Sx.A360

Compact Powered Sound Reinforcement Speaker for Live Sound, Speech, Playback, DJ, A/V, Institutional Venues



Key Features:

- · Lightweight, Compact, Ergonomic Size
- Digital Power Amplifier
- 350W LF, 150W HF
- Line Output for Additional Powered Speakers
- 65° x 65° Constant Coverage Horn
- High Sensitivity, 129 dB Maximum SPL
- Dynamic Filters Provide Overload Protection and Linear Response
- · Molded-in Pole Mount, Easily Suspended
- Linear Response



General Description:

The Electro-Voice ® SxA360 sets a new standard for powered speakers. Its design provides the user a simple to use system with plenty of power in very compact, lightweight, attractive package.

This is a full range loudspeaker ideal for most applications requiring high-quality sound. The SxA360 offers a unique combination of high SPL, natural frequency response, and dynamic headroom in an extremely lightweight package. Its linear response provides excellent feedback-free sound without additional equalization.

Built-in suspension points and pole mount make it easy to position for your application without expensive accessories.

The high-frequency section of the SxA360 utilizes a moldedin, 65° x 65° constant-directivity horn. This unique pattern contributes to high intelligibility, vocals sound natural yet "cut through" in reverberant, noisy rooms. Coverage pattern is uniform, sound quality off-axis is very well maintained, even at 45° off axis (a 90° total coverage angle). The SxA360's high-frequency horn is driven by the DH2T, a one-inch- throat, wide-bandwidth, titanium-diaphragm driver using a unique, convex-drive TimePath™ phasing plug structure (U.S. Patent #4,525,604) for smooth and extended high-frequency response.

Technical Specifications:

	ran and a second
Freq. Response (-10 dB):	60 Hz - 18 kHz
Max SPL:	126 dB
Horizontal Coverage:	65°
Vertical Coverage:	65°
LF Amplifier Power:	350W RMS
HF Amplifier Power:	150W RMS
Max SPL (Calculated):	129 dB
LF Transducer:	12" (300mm) DL12BFH Woofer
HF Transducer:	1" (25mm) exit DH2T Comp. Driver
Connectors: Line Inputs: Balanced Output:	XLR and ¼" phone Combination XLR
Power Requirement:	110-130 VAC, 50-60Hz, or 220-240 VAC, 50-60Hz 600 Watts
Enclosure Material:	Copolymer
Grille:	Powder Coated Steel
Dim (H x W x D):	23.1" x 16.9" x 12.3 ("586 x 429 x 312mm)
Net Weight (each):	36 lbs (16.6 kg)
Shipping Weight:	40 lbs (18.4 kg)





Key Features:

- 200W Continuous Power
- Dual 8-inch LF Transducers
- Outstanding Vocal Clarity and Intelligibility
- Low-Profile Design Allows for Flexible Placement
- Secure Reinforced Cabinet Construction with Mounting Hardware included
- Paintable Enclosure available in Black Futura or White Finish
- Low Profile Monitor version available (FRi-28LPM)



General Description:

The Electro-Voice ® FRi-2082 is a two-way full-range passive system in a unique slant-sided enclosure, designed to complement the FRi line of loudspeakers. It is particularly useful in stadiums, arenas, houses of worship, dance clubs, live music venues, gymnasiums, etc. The FRi-2082 includes dual 8-inch woofers, a 1" (25 mm) voice coil compression driver on a 100° x 100° constant-directivity horn, and a cloth coverable steel grille.

The FRi-2082 uses EV's exclusive RMD™ (Ring-Mode Decoupling) to provide outstanding vocal clarity and intelligibility in a cost-effective two-way system. The versatile, compact enclosure features a low profile cabinet design with integral suspension points and a U-bracket (included with Fri-2082) to allow horizontal or vertical mounting. The 100° x 100° hom pattern allows broad coverage for near field applications.

The FRi-2082 is available in black or white, and can easily be painted to match the decor. All mounting hardware is included for the FRi-2082.

Technical Specifications:

Freq. Response (-3 dB):	70 Hz - 20 kHz
Freq. Response (-10 dB):	45 Hz - 20 kHz
	116 dB Cont./122 dB Peak
Axial Sensitivity (SPL, 1W/1m):	93 dB
Power Handling:	200W Cont./800W Peak

Impedance:	8 ohms				
Nominal Coverage Angle:	100° x 100° (-6 dB)				
LF Transducers:	Dual 8-inch Woofers in Vented Enclosure				
HF Transducer:	Compression Driver with 1-inch Titanium Diaphragm on a Constant- Directivity Horn				
Recommended High- Pass Frequency (12 dB/octave min.):	50 Hz				
Cabinet Type:	Low Profile Slant Design				
Enclosure Material:	13-ply Plywood				
Finish:	Black Futura				
Connectors:	(1) Barrier Strip				
Suspension Hardware:	(2) 3/8-16 threaded mounting/suspension points, 1 per side (FRi-2082)				
Grille:	Powder-Coated Perforated 18GA Steel				
Included Accessories:	Mounting Bracket and Hardware (FRi-2082) Rubber Feet (FRi-28LPM)				
Dimensions (H x W x D):	8.9" x 24.4" x 14.4" (227mm x 620mm x 365mm)				
Net Weight:	40.0 lbs (18.2 kg)				
Shipping Weight:	52.0 lbs (23.6 kg)				







MONITORING



TASCAM 322



The 322 deck was built on our existing technology, adding features that contractors have specifically requested. The result is a deck that fits into a wide variety of applications, from music studios, boardrooms, house of worship, live venues, and more.

The 322 transports use an optical sensor for detecting leader on tapes. When the tape approaches the leader tape from the cassette, it will immediately flip the tape. This minimizes the amount of time lost when switching sides, since the deck won't have to pass through the leader to the end of the reel, then back to the recordable tape again. This makes the 322 the ideal machine for logging or long-form recording.

An RS-232 port on the back of the 322 allows serial control of the deck from the various control systems on the market. This is ideal for board rooms, lecture halls, or advanced home theater systems, and more.

Like the 302, the 322 offers independent audio input and output for each well, allowing total control over each deck. The 322 can be set up so that one deck plays a tape while the other records an external source. This is perfect for recording a meeting and playing audio sources back, or playing music from tape and recording a performance on top of it. If the situation calls for a common I/O structure, you can switch it easily on the front panel. This makes it easy for creating dual masters, or saving inputs on a mixer.

The 322 also offers Return To Zero function for easier cueing, $\pm 10\%$ pitch control to make changes in speed, headphone output with level control, and a wired remote as standard. The optional LA-322 kit adds balanced ports to the 322.

- Optical Leader Sensing for Quick Auto Reverse
- RS-232 Serial Control Port
- ±10% Pitch Control Independent for Fach Deck
- Independent Unbalanced RCA Analog
 I/O for Each Deck
- RTZ (Return To Zero) Function on Each Deck
- RC-322A Wired Remote Included
- Headphone Output w/ Level Control
- 3-U Rack Mountable Dual Bi-Directional Cassette Deck

- Optional LA-322 Balancing Kit
- Optional WR-7000 Cascade Cables
- Both Cassette Wells Record Capable for Simultaneous Masters
- Normal (1x) and High (2x) Speed Dubbing Capability
- Dolby B and C with HX Pro Headroom Extension
- Electronic Tape Counter
- Record Mute Function (On RC-322A Only)
- 19" x 5.5" x 12.8" (482 x 140 x 323.9 mm)
- 17.19. lbs (7.8 kg)



TASCAM CD-01U Pro



The new TASCAM CD-01U and **CD-01U Pro** are professional CD players, each designed to fit into one rackspace. Available in two versions - an affordable unbalanced model and a professional model with balanced analog and digital outputs - the CD-01U and CD-01U Pro will save room in broadcast equipment racks and custom installations.

Both the CD-01U and CD-01U Pro have an RS-232 control port available for programming with AMX and Crestron systems. They feature MP3 playback, 20-second shock protection and pitch controls for flexible performance. Naturally, they each use reliable TASCAM slot-loading CD transports for years of trouble-free use, making the CD-01U and CD-01U Pro the new standards for compact CD playback.

- 1-space rackmountable CD Player
- CD-R/RW Playback, including 12cm and 8cm CDs
- MP3 Playback
- 20-second RAM buffer for shock protection
- Slot-loading CD transport
- RCA Unbalanced analog outputs
- S/PDIF optical digital output
- Repeat, Single-Play and Program playback modes
- ±12.5% pitch control
- Key Original mode allows you to change the speed without changing the pitch

- Call function returns to last play start point
- Auto Ready and Auto Cue
- Fade In/Out function (up to 10 seconds in 1/2 second steps)
- Eject block function
- Serial control via RS-232C
- Wireless remote control
- XLR balanced analog outputs (CD-01U Pro)
- XLR AES/EBU digital outputs (CD-01U Pro)
- Parallel control over 15-pin Dsub (CD-01U Pro)
- 19" x 2" x 13.1" (482.6 x 50 x 333.9 mm)
- 8.1 lbs (3.7 kg)



SPECIFICATIONS

ANALOG INPUTS

XLR balanced Type

1/4" TRS stereo balanced approx. 22 kΩ balanced

Max. input level CMRR

Impedance

+16 dBu typ. 40 dB

ANALOG OUTPUTS

Type XLR, servo-balanced

1/4" TRS stereo servo-balanced

Impedance approx. 100 Ω balanced

Max. output level +16 dBu

SYSTEM SPECIFICATIONS

<10 Hz - 20 kHz @ 44.1 kHz Frequency range

<10 Hz - 22 kHz @ 48 kHz <10 Hz - 46 kHz @ 96 kHz

-90 dBu

Signal-to-noise ratio

106 dB (analog in → analog out) 0,007% typ. @ +4dBu, 1 kHz, Gain 1 Dynamic range THD Crosstalk < -100 dB (analog in → analog out) Signal delay < 1 ms (analog in - analog out)

DIGITAL INPUT 1

Type XLR servo-balanced

Standard AES/EBU or S/PDIF

input impedance 110 Ω

nominal input level 0.2 - 5 V peak-to-peak

DIGITAL INPUT 2

Type TOSLINK optical Standard AES/EBU or S/PDIF

DIGITAL OUTPUT 1

XLR servo-balanced Type Standard AES/EBU or S/PDIF

DIGITAL OUTPUT 2

Type TOSLINK optical AES/EBU or S/PDIF Standard

SYNC INPUT

BNC Type

Standard Wordclock (1 x sample rate)

input impedance approx. $50 \text{ k}\Omega$ Nom. level 2 - 6 V peak-to-peak

MIDI Interface

5-pin DIN jacks In/Out/Thru Type Implementation cf. MIDI implementation chart

DIGITAL PROCESSING

high-resolution SHARC® DSP, 600 MFLOPs, 32-bit internal signal processing Processor

Converter 24 Bit/96 kHz

external, 44.1 kHz, 48 kHz, 96 kHz Sample rate

DISPLAY

Type 128 x 64 backlit liquid crystal display (green) with adjustable contrast

MEMORY

Presets 100 ROM + 100 user presets for engines A and B, 100 ROM + 100 user presets for combinations

POWER SUPPLY

85 - 250 V~, 50 - 60 Hz Mains voltage Power consumption 10 W typ.

Fuse T 1A H Mains connector Standard receptacle

DIMENSIONS/WEIGHT

Dimensions 19" (482.6 mm) x 1 3/4" (44.5 mm) x 8 1/2" (217 mm)

Weight approx. 4 3/4" lbs. (2.15 kg)

BEHRINGER makes every effort to ensure the highest standard of quality. Necessary modifications are carried out without notice. Thus, the specifications and design of the device may differ from the information given in this manual.



V-VERB PRO

Ultra High-Performance 24-Bit/96 kHz Dual-Engine Reverb Modeler



- ▲ Reference-class reverb modeling processor with high-quality 24-bit/96 kHz A/D and D/A converters
- ▲ Full 4-channel operation up to 96 kHz without any limitations, providing two separate effects processors in one unit
- ▲ 8 high-end reverb algorithms, modeled after world-class reverb processors
- Additional high-quality modulation effects from X-over Delay to Chorus/Flanger plus stereo Compressor
- Full-featured digital interface with AES/EBU In/Out, optical S/PDIF In/Out, Wordclock In and MIDI function for flexible use with digital equipment
- ▲ Ultra high-resolution SHARC® processor with 32-bit internal signal processing for ultimate sonic resolution
- ▲ 10 different routing types for flexible assignment of analog and digital connectors to both stereo engines
- Innovative user interface with soft push/turn encoders, big preset wheel, high-resolution graphic LCD display and additional TAP button for delay times
- ▲ Direct access to 4 effect parameters makes editing easy and comfortable
- ▲ Intuitive editing of up to 30 parameters using specially designed graphic mode
- ▲ Separate ROM and user preset banks with 400 presets total
- ▲ Balanced inputs and servo-balanced outputs with gold-plated XLR and ¼" TRS connectors
- ▲ Open architecture allows future software updates via MIDI
- ▲ Internal switch-mode power supply for maximum flexibility (100 240 V~), noise-free audio, superior transient response plus lowest possible power consumption for energy saving
- ▲ Ultra-rugged construction ensures long life, even under most demanding conditions
- ▲ Designed in Germany. Manufactured under ISO9000 certified management system

PRODUCT SPECIFICATION SHEET

DocLASS

PARAMETRIC EQ & FEEDBACK MANAGEMENT SYSTEM

DIGITAL SIGNAL PROCESSING

GENERAL DESCRIPTION (continued)

EQ curves from any preset independently, so you can add pre-set effects settings with real time changes.

equalizer, D1500 RTA or more De3500s. In addition to being quality. You can even upgrade your D. Class units to premium road. The fact is, you would use the De3500 equalizer for its the D•3500 can be fitted with the DNI D•Net network card. Samson's D Net is a high-speed communication protocol for D•3500 features an advanced 32-bit point floating processo precise filtering and superb audio quality alone, but you get the power of all the features, and then some, expected from it's difficult to measure. All settings and parameters can be stored in any of the 99 preset locations providing instant the DoClass system. For systems using many DoClass units, 10 times faster than MIDI, the error rate is so close to zero, or a live sound engineer, you'll get a better sound using the DSP interface to high quality converters with 24-bit audio resolution and sample rates up to 96kHz for pristine audio a high quality digital equalizer. Whether you are a recordist recall of your favorite setups. Like all DeClass models, the creating larger audio systems, for interfacing to a personal computer. When linking the units you see the full power of Analog-to-Digital and Digital-to-Analog I/O (Input/Output) converter boards, keeping your D. Class system up to date The De3500 features standard MIDI implementation and connected multiple DeClass units, like the D2500 digital with the best technology, and sound, far onto the future. The De3500 is perfectly at home in the studio or on the Samson's D.Net enabling device-to-device linking for D•3500 Digital Equalizer!

- management system providing 30 bands of parametric filters. The De3500 is a sophisticated digital equalizer combined with an advanced, and easy to use, automatic feedback
- For stereo PA systems, the D•3500 can operate with 15 filter bands per side, or for mono operation (like stage monitors), you can use all 30 bands at once.
- Dynamic for feedback problems caused when microphone are moving around on stage, and Manual for adjusting the parametric filters by hand using the Filter Control Knobs The De3500 offers three filter modes, Resonance for reducing feedback due to room acoustic problems,

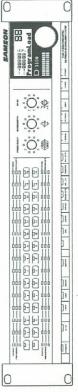
Release, mode lets the EQ filters gradually restore themselves to the original levels once the feedback problem goes away microphones moving on stage, a unique AFR, Auto Filter · For temporary feedback problems like those caused by thereby restoring not destroying your sound.

- 96K sample rate Analog-to-Digital and Digital-to-Analog converters provides a pristine sound quality with low distortion Advanced 32 bit floating point DSP with high-end, 24 Bit, and wide dynamic range.
 - The LEARN mode allows the De3500 to perform a single button push, automatic feedback reduction system that will automatically "ring-out" your speaker system to remove feedback.
- · An onboard programmable Delay is included for time aligning speakers.
- The D•3500 offers programmable High and Low Pass Filters for setting contour curves or for removing low-end stage rumble.
- To help keep the over all system noise level low, the De3500 includes a programmable Noise Gate with variable threshold control.
- An added layer of speaker protection is accomplished by using the D•3500's programmable brick wall Limiter.
- or as a noise reduction system by lowering the high frequency bands when no high frequency content is present. > The programmable Enhancer can be used to add extra highs
- · Equalization curves plus all digital effects can be stored or recalled using the 99 User Preset Locations.
- · Optional DI01 Digital interface card for connecting to AES/
 - The De3500 takes advantage of the latest technology with EBU or S/PDIF.
- upgradable Analog-to-Digital and Digital-to-Analog converters.
- · Aluminum extruded front panel and steel chassis makes the any traveling or fixed installation audio system.

Standard 19", 2 rack-space design for easy integration into

Electronically Balanced XLR Inputs and Outputs.

- Three year extended warranty.



D-3500

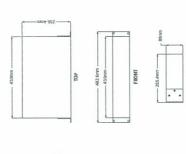
ARCHITECT'S & ENGINEER'S SPECIFICATIONS

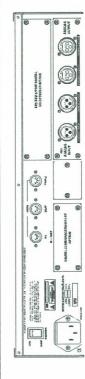
balancing an audio system. The De3500 shall have balanced XLR provided for a D.Net card so that the unit can communicate with midi connections. There shall be 99 digital memory locations to removing feedback. It shall have 15 filters per channel to adjust of a series of 3 digital processors that can operate separately or so that they can be removed and upgraded. A slot shall also be store and recall user program information. The D•3500 is one inputs and outputs. The inputs and outputs shall be on cards other DeClass units at a faster speed than from the included HP/LP filters and a limiter for the purpose of equalizing and equalizer for the purpose of equalizing an audio system and Resonance. The unit shall also have a gate, delay, enhancer, the levels of the audio. The De3500 shall also have 2 types of automatic feedback reduction filters called Dynamic and The De3500 shall be a stereo 15 band digital parametric ogether as a single piece of analyzing equipment.

D+3500 SPECIFICATIONS

sindu	
Type electronically balanced Connector XLR Impedance 22 kΩ at 1 kHz	P
lax. input level +22 A101 +14dBu A102 +20dBu	
Type	Р
fax. output level AIO1:+14dBu AIO2:+20dBu	
requency Response	B)
AlO1	Q ~ 5
Note into (tweighted) < -100 dBFS (-56 dBU) A -100 dBFS (-56 dBU) Note into (unweighted) A -100 dBFS (-56 dBU) Note into (tweighted) -112 dBFS (-92 dBU)	\$ C & C & C
НD	Bu,

Digital Processing Converter	Sample Rate AIO1 & AIO2	Frequency Range20 Hz to 20 kHz, 31 bands on ISO standard frequencies	Display TypeCustom LCD for parameter control	Memory Presets	Midi Interface Type5-pin. DIN jacks In/Out/Thru	Power supply Mans voltage	Dimensions (W x D x H)19" x 10.5" x 3.5" $482 mm \times 267 mm \times 89 mm$	W-1-L4
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LBACK PAREL

PRODUCT SPECIFICATION SHEET

D•CLASS

DocLASS ACCESSORIES | DIGITAL SIGNAL PROCESSING

ACCESSORIES







AIO1 FEATURES

Analog Input/Output Module utilizing high quality AD/DA converters

Digital Interface Module featuring AES/EBU and S/PDIF inputs and outputs

DIO1 FEATURES

Gold plated XLR and RCA connectors

Standard BNC word clock connector

- > 100 db of dynamic range
- > Operates at 96k sample rates
- Balanced XLR Inputs and Outputs

A102 FEATURES

- Analog Input/Output Module utilizing premium AD/DA converters

 - > 112 db of dynamic range
- > Operates at 96k sample rates
- Balanced XLR Inputs and Outputs

> Allows the Del500 RTA to monitor up to 15 De2500 > High speed, Bi-Directional network protocol using standard XLR cable and connectors

equalizers on the LED display

> Module for controlling multiple DeClass units

ONO! FEATURES

MM01

- > +9 to 48 Volt phantom power operation. The MMO1 is a fixed charged condenser microphone
- Gold plated XLR connector
- > The industrial designed is attractive while maintaining a

applications. Manufactured with extreme care, superior electronics and the highest quality craftsmanship, the

designed especially for critical test and measurement

GENERAL DESCRIPTION

microphone delivers an exceptionally clear, accurate sound, with precision pattern control. The MM01 is a

compact and rugged construction.

- > A perfect compliment to any Real Time Analyzer, such as the D•1500 Digital RTA from Samson Audio.
- Includes ABS carry case.

microphone exhibits an extremely flat frequency response

perfect compliment to any Real Time Analyzer, such as the Del500 Digital RTA from Samson Audio. The providing accurate results when measuring individual

MMO1 SPECIFICATIONS drivers or complete sound systems. Thanks to it's low noise and linier frequency response, MMO1 can also

pattern makes the MMO1 an excellent choice for a variety

of specialty miking applications in live sound situations.

Precision, fixed charged condenser measurement

microphone. FEATURES

> Linear, omni-directional pick-up pattern. > Extremely flat frequency response.

room mics for studio recording applications. In addition, be used for miking acoustic instruments, or as ambient

the high SPL capability and omni-directional pick-up

Fixed charged Condenser

	allolloplin
Polar Pattern	Omni-directional
Frequency Response	20 Hz to 20000 Hz
Sensitivity	Sensitivity37 dbV/pa (14mv/pa)
Rated Impedance	Ω002
Max. SPL	132 dB (THD less than or equal to 0.5% 1000 Hz)
S/N Ratio	71 dB, 1K, 1PA
Power Supply	
	268-15/DIN 45596)

r (IEC

130 g



PARAMETRIC EQ & FEEDBACK MANAGEMENT SYSTEM

SAMSON

D-3500 D.CLASS

DIGITAL SIGNAL PROCESSING



GENERAL DESCRIPTION

traditional analog user interface. The De3500's robust arge front panel layout which is extremely easy to use conversion technology, together with a simple to use design is not only road worthy, but it also provides a 2 rack-space steel and aluminum extruded chassis The D•3500 is an advanced parametric equalizer featuring cutting edge DSP and analog-to-digital and already familiar to audio engineers.

Thanks to the powerful DSP engine and clever software lot of gain at high frequency bands. And, with the high you won't get is the accumulating additive hiss noise that you get from an analog equalizer when you add a capabilities of even the best analog equalizers. What the D•3500 is capable of producing EQ curves with end 24 Bit AD and DA converters and 96K sampling more accurate and precise filters, far exceeding the rate, you'll enjoy pristine audio quality.

systems that can destroy your sound because they just sophisticated, advanced featured parametric equalizer the knobs for you). You just get a louder PA with less problems, and Manual which are set by using the EQ are intelligent. They know that often feedback occurs it can also work as a one-button automatic feedback management system. For feedback management, mix, like on stage monitors, or 2 times 15 bands for professional monitor mix engineer inside moving all feedback! The feedback filters work in three modes; the De3500 can employ up to 30 filters for a mono stereo PA applications. The LEARN mode let's you Resonance finds feedback problems inherent in the control knobs. Plus, the De3500's feedback filters problems can be a temporary ones. Other feedback because performers move around on stage, so the eep cutting more and more frequency until you're room then automatically sets, Dynamic constantly press a single button and have the De3500 "ring your system automatically (as if there were a The beauty of the De3500 is that while it is a scan the frequency range looking for feedback

left with everything cut. Thanks to the Auto Restore Filter technology, the D•3500's filters are constantly monitoring the signal and will try to sneak back to the original positions so that the feedback reduction has a minimum effect on the

are using a digital EQ; simply press a filter button and grab a knob to tweak the equalizer. filters that work together with the physical EQ control knobs located in the master section. You may forget that that you dedicated switches, which allow you to quickly access the For you "tweakazoids" out there, the De3500 has 30

end frequencies, for example, when equalizing vocal monitors can be stored and recalled, as part of the 100 available user pre-sets. The HIGH and LOW PASS FILTERS allow you to quickly apply an EQ contour for rolling off the high and low In addition to being a simple to use feedback management system and digital equalizer, the De3500 is packed with all GATE, LIMITER, ENHANCER and DELAY. All these digital effects are programmable and their associated parameters the goodies including HIGH & LOW PASS FILTER, NOISE

D•3500 a very effective noise reduction system. In addition, your power amplifiers to help you insure good protection for the D•3500 also offers on onboard DELAY for time aligning powerful LOAD MASK allows you to recall certain effects or The D•3500's NOISE GATE allows you to set a threshold level so you can mute any system hums and buzzes during D•3500's LIMITER you can control the level being sent to mix. The ENHANCER will also automatically turn down the silent sections keeping your system super clean. With the your loudspeakers. The onboard ENHANCER will actually add high frequency to the system when there is program material at those frequencies, adding extra sparkle to the Using the large, easy to read, LCD display and convenient data wheel, it's possible to save your favorite equalization high frequencies when there is no high frequency signal content, eliminating system noise and hiss, making the curves and recall them in the future. In addition, the

- Multi point clip monitoring. Clip warning LEDs illuminate when the level exceeds +20dBu (2dB below the onset of clipping) to assist in optimum system gain setting
- Electronically balanced inputs and outputs (transformer balancing is available as an option).
 Connections are provided on both XLRs (pin 2 hot) and Phoenix-type strip connectors for fixed installation
- . IEC mains inlet. The unit automatically adjusts for operation on all voltages from 100 to 240V AC
- . KT logo for quality engineering and reliability 3-year KT warranty for peace of mind

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Signal Processing by Definition

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Product List



Show Command

Overview

Helix DN9331 Rapide Graphic Controller

Helix DN9340E Dual EQ

He

Helix DN9344E Quad EQ



Helix DN9848E



Software



DN1248 Plus

ISAN D

DN270



DN370 Graphic EQ



DN360 Graphic EQ



DN410 Dual Parametric EO



DN500 Plus Series



DN100



Square ONE Graphic EQ & Dynamics

DN370

Architect's & Engineer's Specification Technical Data Line Drawing Brochure Manuals 3D Animation

FAO

DN370

The all-new Klark Teknik DN370 is the latest evolutionary step in a process of design refinement that goes back over 30 years. With DN370 we've started from the ground up and produced a unit that is totally without compromise, and one that we believe is the finest professional graphic equaliser in the world today. It also perfectly complements the existing Klark Teknik range of equalisers, both analogue and digital.

Our aim is simply to provide discerning professional users with the best possible solutions for system control. Our market research shows that the graphic equaliser is still the most commonly-used EQ device in fixed and mobile live sound applications, as well as many installations, mainly because the physical user interface provides instant access and controllability in even the most demanding environments. To this end we have completely re-evaluated the role of the graphic EQ, focusing exclusively on providing a new feature set that better reflects the needs of modern users.

Like all Klark Teknik units, DN370 is engineered for a lifetime of hard use and carries our 3-year international factory warranty.

Overview

- Long-throw 45mm oil-damped faders with dust cover for increased accuracy and resolution
- All-new proportional-Q filters provide optimum control without undesirable audio artifacts
- Gain control with +6dB/-infinity range and centre detent at unity gain. Allows effective muting of channel in emergencies
- . Range switch selects $\pm 6 \text{dB}$ or $\pm 12 \text{dB}$ operation for the faders, with LED indication
- Channel bypass switch with LED indication. The unit also provides automatic relay bypass in the event of power failure
- . Sweepable high-pass filter with 20Hz to 500Hz range sets the lower frequency limit of the system. The control incorporates a push switch to select the filter in and out, with an illuminated ring for "at a glance" status indication. Invaluable for smooth rejection of unwanted subsonic and low frequencies, particularly



Photos: Main | Front | Back





distortion

- . Separate side chain inputs are provided for each channel
- Gain reduction and output level metering is provided for each channel
- Additional features include stereo link function which provides two pairs of stereo channels
- XLR connectors fitted as standard for main audio terminations, with transformer balancing available as an option

DN514 Plus Overview

Quad Auto Gate

- . Four frequency-conscious high performance gates in one single unit of rack space
- Optimised for fast set up and dependable triggering for every conventional gate application
- With two semi-automatic Attack Modes and hold time automatically scaled to release value, the DN514 Plus combines outstanding dynamic performance with simplified control
- Unique sync function synchronises harmony parts, brass section, etc., by interlocking all four gate release times
- . Advanced VCA design for low noise and distortion
- Additional key inputs for each channel allows triggering from external sources
- . Side chain monitor function simplifies filter set-up
- Threshold and release LED's provide visual information regarding gate status. Release contour indicated by release LED
- Both Master and channel bypass switches are provided to aid set-up

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Signal Processing by Definition

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Product List



Show Command

Overview

Dual EQ

Helix DN9331 Rapide Graphic Controller

DESIR.

Helix DN9344E Ouad EO

Helix DN9340E

Helix DN9848E



Software



DN1248 Plus Mic Splitter



DN370



Graphic EQ
DN360



Graphic EQ

DN410



Dual Parametric EQ

DN500 Plus Series

Dynamic Processors



DN100



Square ONE Graphic EQ & Dynamics

DN500 Plus Series

Architect's & Engineer's Specification Technical Data Line Drawing Brochure Manuals



Photos: Main DN500 Plus | Front | Back DN504 Plus Front | Back DN514 Plus | Front | Back

DN500 Plus Series

The DN500 Plus series utilises a `THAT's' chip which features lower distortion, improved dynamic range and faster slew rate.

The DN500 Plus is our dual compressor / limiter / expander which is characterised by its extremely quiet operation, typically >2dB quieter than any comparable product. This alone has made it a broadcast-industry standard for many years. The two channels are linkable for true stereo operation, and both the compressor and expander sections are fitted with their own sidechain inputs.

The DN504 Plus Quad Compressor has enjoyed hugely increased popularity in recent years, due to the ever expanding use of in-ear monitor systems. This is because the unit can be configured into two stereo pairs, has all the superlative audio performance of the DN500 Plus, and fits two sets of stereo compression into just one rack space. This configuration also makes it extremely cost effective.

DN514 Plus has become one of the industry standard multi-gate devices for both recording and live applications. Providing the same superb audio performance as its other 500 Plus - series, DN514 Plus packs four channels of frequency conscious gating into just 1RU. This provides a significant operational advantage, being able to tailor the operation of each gate to a specific frequency range.

Overview

DN500 Plus Overview

Dual Compressor / Limiter Expander

- Two channels of full function compression, expansion, limiting and peak clipping in one unit of rack space
- Variable knee control for compression styles from hard to easy
- . Auto attack/release mode for inaudible compression and easy set-up
- . Manual attack/release mode for creating compression effects
- Advanced VCA design for extremely low noise and



9/11/2007 5:57 PM



X-Line Digital Parameters Rev 2.4.xls

	Line Loudspeak											ne Digital Paramet	
V D	c38 Digital Param	eters	0.4.0.11	ucub Da	000 648						Preset Name	: X-LINE 2*4	W+S P3K6
	Loudspeaker System >	(-LINE Rev	7. 2.4 3-Way	/+Sub P3	orlanning V	uh Suhwoofer	Configuration	i		for EV P30	000 Amplifier	with 6-dBu G	ain Setting
						sub Subwoofer							
	Notes >	Read the "Instruc	tions" worksheet in	this workbook f	for details on nov	to implement the dig	st output EQ, filters	& delays be	cause this will con	mpromise line array po plifiers as shipped fro	erformance.		
	>	ONLY use the in	put EQ to make at	justments for sy	idsneaker protect	tion. The Thresholds	shown are calibrate	d for the EV	P3000 power am	plifiers as shipped fro d so that the gain red	n the factory with	in the	
	>	The output Comp	pressors & Limiters	on (33 dR) If arr	nolifiers with differ	rent gain are used the	compressor/limiter	thresholds n	nust be readjuste	d so that the gain red	uction turns on at	the	
		"6-dBu for Rated	er output voltages.	ig (33 db). ii dii	ipinicio mer en-								
			VEL -II shore the s	ame drive signa	I denoted as "Xx	xx LF".							
	ľ	The innut delay	of the Xvls, Xvlt &	Xfil full-range sy	ystems (Xxxx) mi	ust be adjusted for ali	gnment with Xsub s	subwoofers.					
													ny.
Pr	rogrammer & Date: 1st/Last Rev	DEC: 01/23/01 - [DEC: 07/09/01			1	Venne	Xfil	Xfil	Xvlt	Xvlt	XvIs	Xvls
_		Хххх	Xsub			Xsub	XXXX	MB	HF	MB	HF	MB	HF
	Frequency Band	Input	Input			SUB	LF		4	5	6	7	8
	Connector	Α	В	С	D	1 .	2	3	A	A	A	Α	Α
+	Input Routing					В	A	Α	+ A	+1.0 dB	+0.0 dB	+1.0 dB	+0.0 dB
. –	Digital Gain (dB)	+0.0 dB	+0.0 dB			+1.5 dB	+2.3 dB			0.375 mS	0.469 mS		
-	Signal Delay (mSec)		0.000 mS			0.000 mS					Norm	Norm	Norm
-	3	0.000		STOLEN A		Norm	Norm			Norm	1250 Hz	220 Hz	1250 H
+	Polarity (Norm/Inv)					32.6 Hz	50 Hz			220 Hz	THE R. P. LEWIS CO., LANSING, SPINSTER, SPINST	LR24	LR24
-	HP Frequency (Hz)		F-25-22-23-23-23-23-23-23-23-23-23-23-23-23-			But24	But24			LR24	LR24	LINZT	
2	HP Resp (Type,dB/Oct)			NAME OF TAXABLE PARTY.						1	40000 11	1250 Hz	16000 H
Crossover	HP Q (-) or Boost (dB)					80 Hz	220 Hz			1250 Hz	16000 Hz	1250 HZ	But24
£ _	LP Frequency (Hz)	The second secon				LR24	LR24			LR24	But24	LR24	Dutz4
2 L	LP Resp (Type,dB/Oct			THE RESERVE OF THE PARTY OF THE									PEQ
	LP Q (-) or Boost (dB)	_				PEQ	PEQ			PEQ	PEQ	PEQ	
8	Filter 1 Type					45.4 Hz	56 Hz			600 Hz	912 Hz	553 Hz	936 H
	Filter 1 Freq. (Hz)			-	+3.0 dB	+3.0 dB			-3.0 dB	-12.0 dB	-5.0 dB	-12.0 d
	Filter 1 Gain (dB	3)			-	0.50 Oct	1.27 Oct			1.08 Oct	1.92 Oct	0.90 Oct	2.00 0
	Filter 1 BW (Oct	0		-	_	2.87 Q	1.10 Q			1.30 Q	0.70 Q	1.58 Q	0.67
	Filter 1 Q (0	0				2.07 Q	1.10 Q						
th &	Filter 1 Slope (dB/Oc	1)				PEQ	PEQ			PEQ	PEQ	PEQ	PEQ
EQ Filter Block (PEQ filter width specified in both BandWidth & Q)	Filter 2 Typ	е					164 Hz			1560 Hz	3100 Hz	909 Hz	2850 H
Banc	Filter 2 Freq. (H	z)				305 Hz	-2.0 dB			-5.0 dB	-5.0 dB	-5.0 dB	-5.0 d
븅	Filter 2 Gain (d	_				-4.0 dB			_	2.54 Oct	1.70 Oct	0.90 Oct	2.50 0
Ë	Filter 2 BW (Oc					1.00 Oct				0.50 Q	0.80 Q	1.58 Q	0.51
Hied	Filter 2 Q (-				1.41 Q	2.80 Q		_	0.00 4			
spec	Filter 2 Slope (dB/Od									_	PEQ		PEC
를	Filter 3 Typ						PEQ				14800 H	z	15000
in in	Filter 3 Freq. (+						580 Hz	-			+8.0 dB		+8.0 0
1	Filter 3 Gain (d						-8.0 dB				0.60 Oc	t	0.60
PEC							0.29 Oct				2.39 Q	_	2.39
ck	Filter 3 BW (0						5.00 Q				2.00 0		
Bic	Filter 3 Q	-	-								PEQ	-	PE
lter	Filter 3 Slope (dB/0		-									7	2540
F	Filter 4 Ty	P	1-7								2540 H		-3.0
H	Filter 4 Freq. (-							-4.5 dB	-	0.20
1	Filter 4 Gain (-								0.20 00		7.21
	Filter 4 BW (7.21 Q		1.21
	Filter 4 Q		2	-								100 10	u +3.0
	Filter 4 Slope (dB/	Oct)	CONTRACTOR OF THE PARTY OF THE			+3.0 dB	u +3.0 dBu			+3.0 dB	u +3.0 dB		
_	Comp. Thresh. (d					49.1 V				49.1 \	/ 49.1 \		/ 49.
350	Amp Out @ Thresh (v	/rms				3:1	3:1			3:1	3:1	3:1	3:
ore	Comp. Ratio						nS 10.00 m	S		8.00 m			
Compressor	Comp. Attack	(mS)				200 m				150 m	S 100 m		
13	Comp. Release	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM						_		+8.0 dE	8u +8.0 dE		-
-	Limiter Throch					+8.0 dB		_		87.2	-	V 87.2	
Limiter	Amp Out @ Thresh (87.2				50 m		S 50 m	S 50
I.E	Limiter Release (n					50 ms	50 mS						



EV X-Line Loudspeakers

Limiter Release (mSec)

X-Line Digital Parameters Rev 2.4.xls

Dx	38 Digital Paran	neters									Preset Name:		ers Rev 2.4.xls
	Landanashar Cuctom	VIINE RAY	. 2.4 3-Way	+Sub P30	000 0dBu	25.000				for EV Dan	00 Amplifier	with 0-dBu G	ain Settino
		Way Eull Da	ngo Yuls & XI	rlt. Plus Ove	erlapping XS	ub Subwoofer	Configuration			IOI EV P30	00 Ampinier	Widi o dou o	
_	Notes	Read the "Instruc	tions" worksheet in	this workbook fo	or details on how	to implement the dig	ital parameters.	a delear has	rausa this will can	noromise line array pe	rformance.		
		> ONLY use the in	put EQ to make adj	justments for sys	tem EQ and roo	m EQ. DO NOT adju	St OUtput L.C., Inters	d for the EV	P3000 power am	npromise line array pe olifiers as shipped from I so that the gain redu	n the factory with i	in the	
		> The output Comp	oressors & Limiters	are used for lou	dspeaker protect	ont nain are used th	compressor/limiter	thresholds n	nust be readjusted	so that the gain redu	uction turns on at t	the	
		"0-dBu for Rated	i Power" gain settin er output voltages.	ig (39 GB). II aili	paners war uner	cir guil bio oues							
			vers H - L the re	ame drive signal	denoted as "Xx	xx LF".							
		> The Avis, Avica > The input delay	of the Xvls, Xvlt &	Xfil full-range sy	stems (Xxxx) mu	ust be adjusted for all	gnment with Xsub :	subwoofers.					
Pro	ogrammer & Date; 1st/Last Rev	DEC: 01/23/01 - [DEC: 07/09/01			Xsub	Xxxx	Xfil	Xfil	Xvit	XvIt	XvIs	Xvls
$\overline{}$		Xxxx	Xsub			SUB	LF	MB	HF	MB	HF	MB	HF
-	Frequency Band	Input	Input		D	1	2	3	4	5	6	7	8
	Connector	Α	В	С	U	В	A	Α	A	A	Α	Α	Α
T	Input Routing					+1.5 dB	+2.3 dB			+1.0 dB	+0.0 dB	+1.0 dB	+0.0 dE
	Digital Gain (dB)	+0.0 dB	+0.0 dB			0.000 mS				0.375 mS	0.469 mS	0.000	0.312 n
	Signal Delay (mSec)	5.000 mS	0.000 mS			Norm	Norm			Norm	Norm	Norm	Norm
	Polarity (Norm/Inv)					32.6 Hz	50 Hz			220 Hz	1250 Hz	220 Hz	1250 H
T	HP Frequency (Hz)					But24	But24			LR24	LR24	LR24	LR24
	HP Resp (Type,dB/Oc					But24	Dutz.						
	HP Q (-) or Boost (dB)					80 Hz	220 Hz			1250 Hz	16000 Hz	1250 Hz	16000 I
	LP Frequency (Hz					LR24	LR24			LR24	But24	LR24	But24
5	LP Resp (Type,dB/Oc	t				LR24	LINZT						
	LP Q (-) or Boost (dB)				PEQ	PEQ			PEQ	PEQ	PEQ	PEQ
	Filter 1 Typ	e			-	45.4 Hz	56 Hz			600 Hz	912 Hz	553 Hz	936 H
specified in both BandWidth & Q)	Filter 1 Freq. (H	2)			-	+3.0 dB	+3.0 dB			-3.0 dB	-12.0 dB	-5.0 dB	-12.0 d
	Filter 1 Gain (dl	B)				0.50 Oct				1.08 Oct	1.92 Oct	0.90 Oct	2.00 C
	Filter 1 BW (0c	t)	10			2.87 Q	1.10 Q			1.30 Q	0.70 Q	1.58 Q	0.67
	Filter 1 Q (0)				2.07 Q	1,10 0						
	Filter 1 Slope (dB/Od	ct)			-	PEQ	PEQ			PEQ	PEQ	PEQ	PEQ
ă l	Filter 2 Typ	e				305 Hz	164 Hz			1560 Hz	3100 Hz	909 Hz	2850
Ban	Filter 2 Freq. (H	iz)			_	-4.0 dB	-2.0 dB			-5.0 dB	-5.0 dB	-5.0 dB	-5.0 d
poth	Filter 2 Gain (d	IB)			_	1.00 Oct				2.54 Oct	1.70 Oct	_	
트	Filter 2 BW (0	ct)				1.41 Q	2.80 Q			0.50 Q	0.80 Q	1.58 Q	0.51
cifie	Filter 2 Q	(C)			-	1.41 Q	2.00 W						
spe	Filter 2 Slope (dB/O	ct)				_	PEQ				PEQ		PEC
th let	Filter 3 Ty	pe			_		580 Hz				14800 Hz	z	15000
Iter	Filter 3 Freq. (Hz)				_	-8.0 dB				+8.0 dB		+8.0
EQf	Filter 3 Gain (dB)			_	_	0.29 Oct				0.60 Oct	t	0.60
k (Pi	Filter 3 BW (0	Oct)				_	5.00 Q				2.39 Q		2.39
EQ Filter Block (PEQ filter width	Filter 3 Q	(C)					0,00 0				1-1-1-1		-
er B	Filter 3 Slope (dB/d			1	_		+				PEQ		PE
1	Filter 4 Ty										2540 Hz	Z	2540
8	Filter 4 Freq.							1			-4.5 dB		-3.0
	Filter 4 Gain						-				0.20 Oc	-	0.20
	Filter 4 BW (7.21 Q		7.21
	Filter 4 C	7.21 (2	-				1					
	Filter 4 Slope (dB/	Oct)				-3.0 dBi	-3.0 dBu	1		-3.0 dBt		-	_
	Comp. Thresh. (c	iBu)				49.1 V				49.1 V	49.1 V		
SOI	Amp Out @ Thresh					3:1	3:1	-		3:1	3:1	3:1	3
Compressor	Comp. Ratio						S 10.00 m	S		8.00 m	S 1.00 m		
I I	Comp. Attack	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED				200 m				150 m			
ت	Comp. Release	The State of				+2.0 dB	_	_		+2.0 dB	u +2.0 dB		
1	Limiter Thresh					87.2 \	-	_		87.2 \	/ 87.2 \		
Limiter	Amp Out @ Thresh					50 ms		_		50 ms	50 mS	50 m	5 50



Rear View



-			
Sn	ecifi	COTI	anc
-	CUIII	vau	OHIO

Specifications	
AC voltage	90-250 V AC (50-60 Hz)
Power consumption	30 W maximum
Safety class	VDE/IEC Class I
Inputs	2 x XLR in, electronically balanced, transformers optional
	2 x XLR OUT (Direct Out)
Nominal input voltage	1.55 V (+6 dBu)
Maximum input voltage	24.5 V (+30 dBu)
Input impedance	20 kΩ
Common-mode rejection	>40 dB (1 kHz)
A/D conversion	24-bit; 128x oversampled; linear phase
Outputs	4 x XLR out; electronically balanced
Nominal output voltage	1.55 V (+6 dBu)
Maximum output voltage	8.7 V (+21 dBu)
Output impedance	<100 Ω
Minimum load impedance	600 Ω
D/A conversion	24-bit; 128x oversampled; linear phase
Frequency response	20 Hz–20 kHz (-0.5 dB)
S/N ratio	>115 dB (typical)
THD without transformer	<0.01% (1 kHz)
THD with transformer	<0.05% (1 kHz)
Crossover	Independently adjustable high- and low-pass filters
	with Butterworth and Linkwitz-Riley 12- and 24-dB/octave slopes
A CONTRACTOR OF THE CONTRACTOR	and Bessel 6-, 12-, 18- and 24-dB/octave slopes
EQ filters	Five filters per input; four filters per output:
	– Parametric EQ (20 Hz–20 kHz; Q 0.4–20.0; +/-12 dB)
	 Low shelf (20 Hz - 20 kHz; 6/12-dB slope; +/-12 dB); Hi shelf (6-dB slope; +/-12 dB)
	- High- and low-pass (6/12-dB slope; Q 0.4-2.0)
	- All pass (outputs only)
Compressors	One per output, with adjustable threshold, compression ratio,
	and attack/release times
Limiters	One per output, with adjustable threshold and release time
MIDI in/out/thru	Data dump/master-slave operation/remote control
Delay	3 master delays (2–900 ms)
	4 channel delays (0-900 ms)
	Delay increment: 21 μsec
Data format	24-bit linear AD/DA conversion; 48-bit processing
Sample rate	48 kHz
Display	122 x 32 dots, graphic LCD display with LED backlight
Dimensions	1.72" (43.6 mm) x 19.0" (483 mm) x 14.8" (375 mm) hwd
Weight	11 lbs (5 kg)
Protection function	Password lock
Accessories (supplied)	RACE software (also free download from www.electrovoice.com)
	NRS 90243 RS-232 interface (installed)
Accessories (optional)	NRS 90247 RS-485 interface, DCN485 RS-232 to RS-485 converter
	NRS 90246 contact-closure interface
	NRS 90244 input transformer
Subject to change without prior notice.	PA20563

FI Electro-Voice

America
USA: Telex Communications Inc. 12000 Portland Ave South, Burnsville, MN 55337, USA, Phone: 952-884-4051, Fax: 952-884-0043
Canada (East): Acoustik GE Inc. 5715 Kincourt, Montréal, PQ H4W 1Y7, Canada, Phone: 866-389-2864, 514-369-2864, Fax: 514-487-9525
Canada (Ontario): HEK Marketing Inc. 27 Fearn Crescent, Ajax, ON L1S 5L7, Canada, Phone: 800-494 6770, Fax 905-619-0366
Canada (West): KMT Pro Audio. 04-301 Nassau Street North, Winnipeg, MB R3L-215, Canada, Phone: 888-850-8811, Fax: 204-489-7614
Mexico: Telex de Mexico S.A. de C.V., Av. Parque Chapultepec 66-202, Col. El Parque, Edo. de Mexico, Phone: 452 (55) 5358-5434, Fax: 452 (55) 5358-5588
Latin America: Telex Communications Inc. 12000 Portland Ave South, Burnaville, MN 55337, USA, Phone: 952-887-5532, Fax: 952-736-4212

Europe and Africa & Middle-East
Germany: Telex EVI Audio GmbH. Hirschberger Ring 45, D 94315, Straubing, Germany, Phone: +49 9421-706 0, Fax: +49 9421-706 265
France: EVI Audio France S.A. Parc de Courcerin, Allée Lech Walesa, F 77185 Lognes, France, Phone: +33 1-6480-0090, Fax: +33 1-6006-5103
UK: Telex Communications Ltd. 4, The Willows Centre, Willow Lane, Mitcham, Surrey CR4 4NX, UK, Phone: +44 208 646 7114, Fax: +44 208 640 7583
Africa & Middle-East: Telex EVI Audio GmbH. Hirschberger Ring 45, D 94315, Straubing, Germany, Phone: +49 9421-706 0, Fax: +49 9421-706 265

Pro Audio Group • Telex Communications, Inc. • 12000 Portland Avenue South • Burnsville, Minnesota 55337 • USA Tel: 952-884-4051 • Fax: (USA) 952-884-0043 (INTL) 952-887-9212 • Web: www.electrovoice.com





Dx38 — THE NEW STANDARD IN DIGITAL SOUND PROCESSING

EV's Dx38 digital sound system processor sets new standards for digital sound processing, with a dynamic range in excess of 115 dB, multiple filter functions, and exclusive **RACE** (Realtime Acoustic Cluster Editor) software.

Signal Flow Window



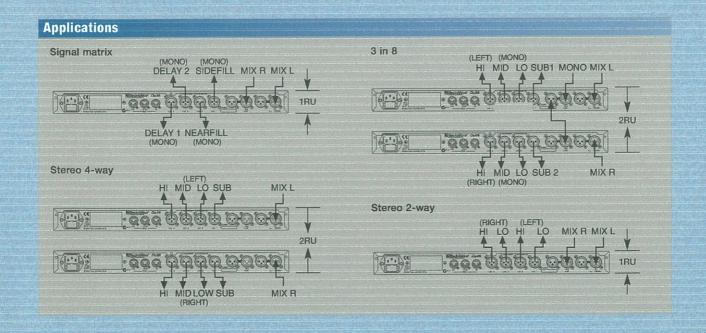
RACE's signal flow window provides a clear overview of all available parameters. Five master equalizers are available per input immediately after input metering. Each of these filters can be set as a hi- or lo-pass filter (6 dB/12 dB peak), as a hi- or lo-shelf filter (6/12 dB), or as a full parametric equalizer. A green LED symbol indicates whether each filter is activated.

The master delay allows each input or the sum of both inputs to be delayed separately up to 900ms. Fully flexible routing allows each input or the sum of both inputs to be routed to any of the four outputs. Each of the four filters per output provide the same filter functions as the master equalizers, as well as an all-pass filter for phase

corrections. The crossover section provides a hi- or lo-pass filter for each channel and an output delay for alignment. The dynamics section provides independent compressors and limiters to ensure speaker protection.

The output meter display works like the whole editor in realtime. Level control and mute are available for each channel.

You don't need a PC to use the Dx38! The Dx38's parameters can all easily be edited on the front control panel. Once you try **RACE** software, however, you may never again want to work without it!





MIDAS VENICE SERIES PERFORMANCE SPECIFICATIONS

MIDAS VENICE SERIES PERFORMANC	E SPECIFICA	TIONS					
eatures and Specifications	Venice 160	Venice 240	Venice 320				
nputs (total)	30	38	46				
lono-Inputs (Mic/Line) with Inserts ereo-Line/Mono-Mic-Input Channels	8 4/4	16 4/4	24 4/4				
ereo-Effect-Returns (Line)	4	4	4				
ereo-Tape-Return (Line)		1 left/right					
usses ubgroups		15 4					
ux Pre-Fader (Monitor)		2					
ux Post-Fader (Effects) ux switchable Pre/Post-Fader		2 2					
aster L/R		2					
ono-PFL ereo-AFL		1 2					
utputs							
abgroups (with Inserts)	4 impeda	nced balanced 1/4	inch jacks				
ux Pre-Fader (Monitor) ux Post-Fader (Effects)	2 impeda	2 XLR (balanced) inced balanced 1/4	inch jacks				
ux switchable Pre/Post-Fader aster (with Inserts)		2 XLR (balanced) 2 XLR (balanced)					
aster B Out		2 XLR (balanced)					
witchable Mono/Stereo, pre-post Fader) ape Send (Recording)		1 Stereo (Phono)					
irect Outputs (1/4 inch Jack)	8	16	24				
cereo-Headphones cereo-Speakers		2 Stereo-1/4 inch jacl anced balanced 1/4					
dditional Features							
onnector for desk lamps		2 x 12V/5W (4-Pin XLR)				
"-rack-mounting- kit, tatable connector panel	yes yes						
No.							
ccessories		Dust Cover (included					
	12 V	Desk Lamp (not inclu	ided)				
	input	Transformer (not incli	uccu)				
echnical Data							
nput Impedance							
Mic		2kΩ Balanced					
Line		20kΩ Balanced					
nput Gain Mic	Continu	ously variable 0dB to	o +60dB				
Line (Mono Channell)	Continu	ously variable -20dB t	o +40dB				
Line (Stereo Channel) Line Level Inputs	Continu	ously variable -10dB t 0dB	.U +2UUB				
laximum Input Level							
Microphone and Line Line Level Inputs (Mono)		+22dBu +42dBu					
Line Level Inputs (Storeo)		+22dBu					
MR at 1kHz							
Mic (Gain +30dB) Line	> 80dB > 40dB						
MR at 100Hz	> 4000						
Mic (Gain +30dB)	70dB typical						
requency Response (20Hz-20kHz) Mic to Mix (Gain +60dB)	. 0d8 to 1d8						
	+ 0dB to -1dB						
loise (20Hz-20kHz) Mic EIN ref. 150Ω gain +60dB	-129dBu						
Mic EIN ref. 150Ω gain 0dB	-107dBu						
System Noise (20Hz-20kHz) Summing Noise (12 channels routed, faders down)		00dPu					
Line to Mix Noise (12 channels routed, rades down)		-90dBu -84dBu					
istortion at 1kHz							
Mic to Insert (+30dB Gain, +20dBu Output) Mic to Master (+30dB Gain, +20dBu Output)		Typ 0,0007% < 0,009%					
rosstalk at 1kHz		- 0,00370					
Channel to Channel		< -80dB					
Mix to Mix Channel to Mix		< -80dB < -80dB					
Fader Attenuation		> 100dB					
Switch Rejection		> 100dB					
utput Impedance Line Outputs		75Ω balanced					
Headphones		to drive 32Ω					
aximum Output Level Master Outputs		+25dBu					
Line Outputs		+22dBu					
Headphones		+22dBu / 600Ω					
ominal Signal Level Microphone		- 60dBu to 0dBu					
Line		OdBu					
qualiser Mono Channel	_ :						
Hi Pass Filter Treble		l order Butterworth, 8 /-15dB at 12kHz (Shelv					
Hi Mid	Continuously va	riable 100Hz to 2kHz	(1 Oct) +/-15dB				
Lo Mid Bass		riable 400Hz to 8kHz /-15dB at 80Hz (Shelv					
qualiser Stereo Channel			V				
Treble Hi Mid		7-15dB at 12kHz (Shelv					
Lo Mid	30	kHz (1,4 Oct) +/-15dE 00Hz (1,4 Oct) +/-15d	В				
Bass	+	/-15dB at 80Hz (Shelv)				
ize (mm/inch)							
Width	490 / 19.3"	698/27.5"	906 / 35.7"				
Depth Heights	568 / 22.4" 194 / 7.6"	568 / 22.4" 194 / 7.6"	568 / 22.4" 194 / 7.6"				

16,4/36.2

Weight (kg/lb)

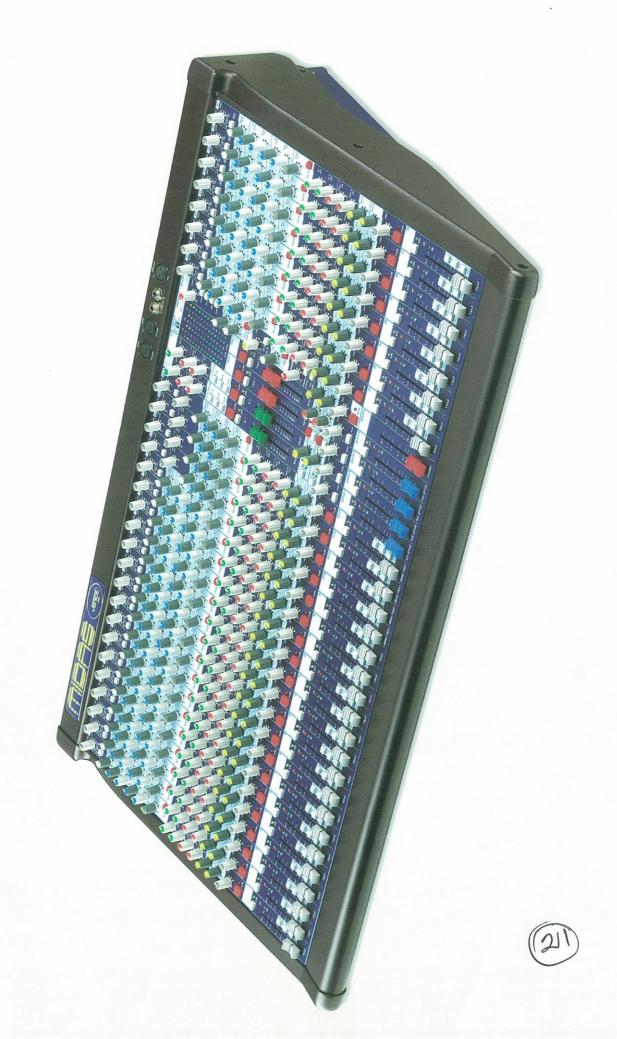


25,8/56.9

21,1/46.5

0 30 gain 0 mic col -20 line +40 60Hz	0 +/8V ggin 1 c mb s0 -/20 ine -/40 /80Hz	0 -48V gain 0 mkcdol 20 me -20 /50Hz	0 +46V 0 mic 63 20 line -40	O+48V mic gain gain JSCHz	0 +45V mic gcin	0 +48V m c gain	0 +49V mic gair 0 +60 mic gair	Venice Crib Sheet 4*Mono
-15 +15 h1 mld	12kHz 15 +15 0 hi mid	0 treble 12k b	0 treble 124 iz -15 +15 hi mid	-20 +20 trim	20 +2C trim	20 120 trim	20 120 trim	4* Stereo
2k freq Hz 400 bk lo mid	freq Hz 400 8c	400 8k	freq Hz 400 8k	0 treble 2KHz -15 +15 0 hi mid 3kHz	0 treble 12364z -15 +15 0 hi mid 3k4z	0 Treble 128Hz -15 +15 0 hl mid 3kHz	2 treble 1244z -15 +15 -0 hi mid	
15 +15 feq +17 loo 2k l	15 +15 15 15 15 15 15 15 1	100 2k 100 2k	100 2k 100 2k	-15 +15 15 15 15 15 15 15 1	-15 +15 15 15 15 15 15 15 1	13 +15 15 15 10 lo mid 3001z 15 +15 15 15 15 15 15 15 15 15 15 15 15 15 1	-15 +15 15 15 15 15 15 15 1	Inputs TO
0 fx 1 post	6 fx 1 post	0 fx1 post	0 fx 1 poet 0 10 fx 2 poet 0 mon 1 pie	0 fx 1 port 0 fx 2 port 0 port	∞ +10	0 fx 1 port	0 fx1 post	NOTES
0 +10 mon 2 pre	0 +10 pre	23 +13 mon 2 pre	0 mon 2 pre	∞ +10 0 mon 2 pre 0 aux 1	0 non 2 pte	0 mcn 2 pre	0 non 2 pre	
0 qux 2	0 aux 2	0 aux 2	0 aux 2	0 aux 2	∞ +10 0 aux 2 ∞ +10	0 aux 2	0 10 aux 2	
pan	Omute	o par	o pan	O mure	O murte	ool O mute	o mute	
Solo pk	Solo pk	O solo	Solo pk	o solo	Solo pk	Solo pk	o solo	
5 — O slg 5 — O — O — O — O — O — O — O — O — O —	5 — SIQ 5 — 1-2	5 — O sig	10 — O sig 5 — 0 — 5 — 1-2	10 — O sig 5 — O — O — O — O — O — O — O — O — O —	10 O S G S G S G S G G G G G G G G G G G G	10 — O sig 5 — O — O — O — O — O — O — O — O — O —	10 — O sig 5 — 0 — 5 — 1-2	
10 16 20 25 40 67 87 mas	16 16 20 3-4 40 60 mas	10 15 20 3-4 40 60 80 mas	15 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	10 - 2 15 - 3-4 25 - 40 40 - mas	15 22 25 40 60 80 mas	15 20 3-4 40 60 80 mos	15 15 22 3-4 42 63 80 mas	
input	input	input	inpu-	stereo input	stereo input	stereo input	stereo input	INPUT NUMBERS
								(A)

2 pan	0 aux 2 0 aux 2 0 aux 2		0 oux 2 0 oux	0 aux 2	
	aux 2 aux 2				· · ·
Oux.	aux 1		0 aux 1 0 aux 1	OW +1C	9
0 +10 pris	0 mon 2 pre	∞ +10	∞ +10	∞ +lc 0 mon 2 pare	
00 +10 fx 2 post	0 10	post post post post	0 +10	0 +1C 0 tx 2 post 0 mon 1 pre	NOTES
eq on tx 1	ec on fx	eq on eq on fx1 post	eq on eq on fx 1 post	eq on fx 1 post	
0 bass 80-2	100 2k 0 005 83+2 15 +15 15 15	0 bass 8001z -15 -15	0 bass 80Hz -15 115 -15 15	bass 80-z	
-15 115 500 freq Hz	mid	10 10 10 10 10 10 10 10 10 10 10 10 10 1	-1.5 +1.5 500 freq Hz	-5 +15 frec	
2k freq H,	7k freq 112 400 6k 403 6c 10	freq has about the second of t	2k freq 2k freq +2 400 8k 400 8k 400 mld 100	frec Hz	_ 10 _
2 hi mld	25 +15 15 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	15 +15 hi mid mid	-15 +15 -15 +15 hi mid	5 +15 hi mid	INPUTS TO
/60Hz	/\$0Hz /60-tz /60-tz	/80-tz /8	/80Hz /80Hz	780Hz	
0 10 gain 0 mic 601 -20 line +40	0+/8V 0+/8V	0+28V gain 0-48V gain 0 mic 50 10 mic 50 10 mic 50 10 mic 50 20 fire +40	0-48V gain 0+48V gain 0 mic 60 20 line +40	0 #30 gain 0 mic 601 20 jino #40	Venice Crib Sheet



)



MIXING AND PROCESSING



Mobile Audio Concert Sound Permanent Installation All Products Loudspeakers Loudspeaker- Systems Power Amplifiers Controller Amps **CL Series** LX Series LX 1600 LX 2200 LX 3000 PowerH Series **DPA Series** PARAMUS Mixing Desks, Powered Mixers Controllers Software Matrix Message Manager Promatrix Power Supplies **Promatrix Paging Stations** Digital Control System Battery Modules / Chargers Archive

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LX 3000

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The new flagship of the LX series delivers a mighty 2 x 2100 watts into 2 ohms and 2 x 1500 watts into 4 ohms and therefore has plenty of headroom for large subwoofer arrays.

For decades, DYNACORD has been one of the leading manufacturers in the pro audio sector and has established a secure position in the amplifier market thanks to the excellent audio performance, absolute reliability and high stability of the Linear Precision series. With their outstanding operational security, which guarantees years of problem-free use, the amplifiers of the Linear Precision series are now the standard for a wide variety of full-range and multi-way loudspeakers systems in professional venues as diverse as theatres, stadiums, discotheques, clubs and concert halls.

Specifications	
Load Impedance	2 Ω, 4 Ω, 8 Ω
Max. Midband Output Power, THD = 1%, 1kHz	2 Ω - 2100 W, 4 Ω - 1500 W, 8 Ω - 900 W
Rated Output Power, THD < 0.1%, 20Hz 20kHz	W, 4 Ω - 1200 W, 8 Ω - 900 W
Max. Single Channel Output Power, Dynamic Headroom, IHF-A	2 Ω - 2900 W, 4 Ω - 1800 W, 8 Ω - 1000 W
Max. Single Channel Output Power, Continuous, 1kHz	2 Ω - 2600 W, 4 Ω - 1700 W, 8 Ω - 950 W
Max. Bridged Output Power, THD = 1%, 1kHz	W, 4 Ω - 4200 W, 8 Ω - 3000 W
Maximum RMS Voltage Swing, THD = 1%, 1kHz	95 V
Power Bandwith, ref. 1kHz, THD =1%, half power @ 4 ohms	10Hz 60kHz
Voltage Gain, ref. 1kHz	32.0 dB
Input Sensitivity, rated power @ 8 ohms, 1kHz	+7.0 dBu (1.74 V rms)
THD at rated output power, MBW = 80kHz, 1kHz	< 0.05%
IMD-SMPTE, 60Hz, 7kHz	< 0.02%
DIM 30, 3,15kHz, 15kHz	< 0.05%
Maximum Input Level	+22 dBu (9.76 V rms)
Crosstalk, ref. 1kHz, at rated output power	< -80 dB
Frequency Response, ref 1kHz	15Hz 40kHz (-1dB)
Input Impedance, active balanced	20 kohms
Damping Factor, 1kHz	> 300
Slew Rate	38 V/µs
Signal to Noise Ratio, A-weighted	108 dB
Output Stage Topology	Class H
Power Requirements	100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured)
Power Consumption, 1/8 max. output power @ 4 ohms	1070 W
Protection	Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay
Cooling	Front-to rear, 3-stage fans
Ambient Temperature Limits	+5° +40° (40°F 105°F)
Safety Class	I
Dimensions (W x H x D) mm	483 x 88.1 x 384
Weight	8.70 kg (19.2 lbs)
Optional Accessories	Rear Rackmount 15.5" D112 930 (RMS15-CL), Rear Rackmount 18.0" D112 933 (RMS18-CL), LPN + Lo-Cut Filter D112963 (NRS 90268)

Downloads			
Manual (2.2MB)	PDF Data sheet (289KB)	▶PDF Ix3000_3d (1.7MB)	▶JPG ¶
rianual (Z.Zirib)	Data Silect (203ND)	1X3000_3d (1.711b)	(2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1







Switchmode Precision Power Amplifier

Load Impedance	Technical Specifications) 😩	LX 2200	
Max. Midband Output Power 1600 W	Load Impedance	2 ohms	4 ohms	8 ohms
THD = 1%, 1kHz				
THO 0.1 1%, 20Hz 20HHz		1600 W	1100 W	600 VV
THD	Rated Output Power		900 W	450 W
Dynamic Headroom, IHF-A				
Max. Bridged Output Power		2600 W	1400 W	720 W
Maximum RMs Voltage Swing THD = 1%, 1kHz T8 V		2100 W	1300 W	660 W
ThD = 1%, 1kHz			3200 W	2200 W
Power Bandwith, ref. 1kHz THD =1%, half power @ 4 ohms			78 V	
THD =1%, half power @ 4 ohms			10Hz 60kHz	
Input Sensitivity rated power @ 8 ohms, 1kHz +5.8 dBu (1.51 V rms)	10. 美国中国的企业的设计中央中央的设计中央的设计和设计中央设计中央设计中央设计中央设计中央设计中央设计中央设计中央设计中央设计中央			
rated power @ 8 ohms, 1kHz THD at rated output power MBW = 80kHz, 1kHz IMD-SMPTE, 60Hz, 7kHz DIM 30, 3,15kHz, 15kHz Crosstalk ref. 1kHz, at rated output power Frequency Response, ref 1kHz Input Impedance, active balanced Damping Factor, 1kHz Signal to Noise Ratio, A-weighted Output Stage Topology Power Requirements 100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured) Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits Safety Class Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight Weight Rear Rackmount 15.5" 112 930 (NRS 90262)			32.0 dB	
THD at rated output power MBW = 80kHz, 1kHz \$ < 0.05% MD-SMPTE, 60Hz, 7kHz \$ < 0.02% DIM 30, 3,15kHz, 15kHz \$ < 0.05% Maximum Input Level +22 dBu (9.76 V ms) Crosstalk ref. 1kHz, at rated output power +28 dBu (9.76 V ms) Crosstalk ref. 1kHz, at rated output power +28 dBu (9.76 V ms) Frequency Response, ref 1kHz 15Hz 40kHz (-1dB) Input Impedance, active balanced 20 kohms Damping Factor, 1kHz > 300 Slew Rate 35 V/µs Signal to Noise Ratio, A-weighted 107 dB Output Stage Topology Class H Power Requirements 100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured) Power Consumption 1/8 max. output power @ 4 ohms, +10% 850 W Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits +5° +40° (40°F 105°F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs)			+5.8 dBu (1.51 V rms)	
MBW = 80kHz, 1kHz				
IMD-SMPTE, 60Hz, 7kHz			< 0.05%	
DIM 30, 3, 15kHz, 15kHz			< 0.02%	
Maximum Input Level +22 dBu (9.76 V rms) Crosstalk ref. 1kHz, at rated output power < -80 dB				
Crosstalk ref. 1kHz, at rated output power < -80 dB				
Frequency Response, ref 1kHz Frequency Response, ref 1kHz Input Impedance, active balanced Damping Factor, 1kHz Signal to Noise Ratio, A-weighted Output Stage Topology Class H Power Requirements 100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured) Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits Front-to rear, 3-stage fans Ambient Temperature Limits Front-to rear, 3-stage fans Ambient Temperature Limits 100V, 120V, 220V, 230V, 240 V; 50Hz 105°F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight Rear Rackmount 15.5" 112 930 (NRS 90262)	The state of the s			
Input Impedance, active balanced Damping Factor, 1kHz Signal to Noise Ratio, A-weighted Output Stage Topology Class H Power Requirements 100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured) Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits 5 +40° (40°F 105°F) Safety Class Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight Optional Accessory: Rear Rackmount 15.5° 112 930 (NRS 90262)	ref. 1kHz, at rated output power		< -80 dB	
Damping Factor, 1kHz> 300Slew Rate35 V/μsSignal to Noise Ratio, A-weighted107 dBOutput Stage TopologyClass HPower Requirements100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured)Power Consumption 1/8 max. output power @ 4 ohms, +10%850 WProtectionDynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delayCoolingFront-to rear, 3-stage fansAmbient Temperature Limits+5° +40° (40° F 105° F)Safety ClassIDimensions (W x H x D) mm483 x 88.1 x 386.8Weight8.15 kg (18.0 lbs)Optional Accessory: Rear Rackmount 15.5"112 930 (NRS 90262)	Frequency Response, ref 1kHz		15Hz 40kHz (-1dB)	
Slew Rate Signal to Noise Ratio, A-weighted Output Stage Topology Class H Power Requirements 100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured) Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits +5° +40° (40°F 105°F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs) Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)	Input Impedance, active balanced			
Signal to Noise Ratio, A-weighted Output Stage Topology Class H Power Requirements 100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured) Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits +5° +40° (40°F 105°F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs) Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)				
Output Stage Topology Power Requirements 100V, 120V, 220V, 230V, 240 V; 50Hz 60Hz (factory configured) Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits +5° +40° (40° F 105° F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs) Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)				
Power Requirements Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits Ambient Temperature Limits Fig +40° (40° F 105° F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight Neight Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)				
Power Consumption 1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits +5° +40° (40° F 105° F) Safety Class Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight Neight Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)				
1/8 max. output power @ 4 ohms, +10% Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits +5° +40° (40°F 105°F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs) Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)		100V, 120V, 220V,	230V, 240 V; 50Hz 60H	z (factory configured)
Protection Dynamic Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters Inrush Current Limiters, Turn-On delay Cooling Front-to rear, 3-stage fans Ambient Temperature Limits +5°+40° (40°F 105°F) Safety Class I Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs) Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)			850 W	
Inrush Current Limiters, Turn-On delay Cooling		mamie Audie Limitere, High	Temperature DC HE Back	EME Book current Limitare
Ambient Temperature Limits	Protection	mamic Audio Limiters, nigh Inrush	Current Limiters, Turn-On d	elay
Safety Class I Dimensions (WxHxD) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs) Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)	Cooling			
Dimensions (W x H x D) mm 483 x 88.1 x 386.8 Weight 8.15 kg (18.0 lbs) Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)	Ambient Temperature Limits		+5° +40° (40°F 105°	F)
Weight 8.15 kg (18.0 lbs) Optional Accessory: 112 930 (NRS 90262)				
Optional Accessory: Rear Rackmount 15.5" 112 930 (NRS 90262)	THE RESERVE OF THE PROPERTY OF			
Rear Rackmount 15.5" 112 930 (NRS 90262)	Weight		8.15 kg (18.0 lbs)	
Rear Rackmount 15.5" 112 930 (NRS 90262)	Optional Accessory:			
Rear Rackmount 18.0" 112.933 (NRS 90.264)			112 930 (NRS 90262)	
112 330 (1110 33 231)	Rear Rackmount 18.0"		112 933 (NRS 90 264)	

Amplifier at rated conditions, both channels driven, 8 ohms loads, unless otherwise specified



GERMANY

GERMANY

EVI Audio GmbH • Hirschberger Ring 45 • D-94315 Straubing
T. +49 (0) 9421 706 - 0 • F: +49 (0) 9421 706 - 265 • www.dynacord.com
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EVI AUDIO FRANCE S.A. • Parc de Courcenn • Allée Lech Walesa • F-77185 Lognes
T: +33 (0) 1 - 64 80 00 90 • F: +33 (0) 1 - 60 06 51 03

UNITED KINGDOM

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SPECIFICATIONS

		S900		S	1200	
Load Impedance	8Ω	4Ω	2Ω	8Ω	4Ω	2Ω
Maximum Midband Output Power,	280W	450W	650W	380W	600W	850W
1 kHz, THD=1%						
Rated Output Power,	230W	350W	450W	300W	500W	650W
20 Hz 20 kHz, THD<0.2%						
Max. Single Channel Output Power	340W	640W	720W	460W	880W	950W
Dynamic-Headroom, IHF-A						
Maximum Bridged Output Power	900W	1300W	7	1200W	1700W	-
1 kHz, THD=1%						
Maximum RMS Voltage Swing		56 V			64 V	
1 kHz, THD=1%		sales and the sales				
Voltage Gain		34 dB			35 dB	
at 1 kHz		05.14			20.117	
Slew Rate		25 V/µs			30 V/μs	
Power Consumption		550 W			750 W	
at 1/8 maximum output power @ 4 Ω			0.45	(77510		
Input Sensitivity	0 dBu (775mV)					
at rated output power @ 4 Ω, 1 kHz			- 0	050/		
THD at rated output power			< 0	.05%		
MBW=80kHz, 1 kHz IMD-SMPTE,	< 0.08%					
60 Hz, 7 kHz			< 0	.00 70		
DIM 30			- 0	.03%		
3.15 kHz, 15 kHz			` '	.0370		
Crosstalk	Para Para		S =	80 dB		
ref. 1kHz, at rated output power				oo ab		
Frequency Response			13Hz	45kHz		
-1dB, ref. 1 kHz			10112	1014112		
Power Bandwith			10Hz	50kHz		
THD=1%, ref. 1 kHz, half power @ 4 Ω						
Input Impedances			2	OkΩ		
20Hz 20kHz, balanced						
Damping Factor			>300	/ >200		
at 100 Hz / 1 kHz						
Signal to Noise Ratio			10	3dB		
A-weighted				of care of the care		
Power Requirements			230V, 50	Hz 60Hz		
Safety Class				1		
Protection	A	ludio limite	rs, high temp	erature, DC, H	F, Back-EN	ΛF,
		peak cu	rrent limiters,	inrush current	limiters,	
		turn-o	n delay, front	-to-rear, 3-stag	ge fans	
Dimensions			483 x 13	2.5 x 385.5		
(WxHxD), mm					11.5	
Weight		15kg	and the second		16kg	

Amplifier at rated conditions, both channels driven with 8Ω loads, unless otherwise specified.

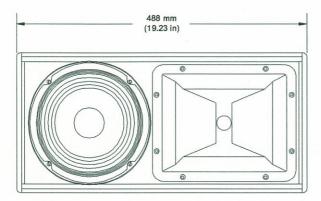




AMPLIFIERS



Figure 7 — Dimensions



Specifications

Axial Frequency Response (swept sine wave, 4 volts at 10 feet on axis, anechoic environment normalized for 1 watt/1 meter; see Figure 2): 50-20,000 Hz

Long-Term Average Power-Handling Capacity (per ANSI/EIA RS-426-A 1980; see Power-Handling Capacity section):

175 watts

Sensitivity (SPL at 1 m, 1 W into nominal impedance, anechoic environment, band-limited pink-noise signal, 100-15,000 Hz):

90 dB

Beamwidth (angle included by 6-dB-down points on polar responses, horizontal and vertical planes, indicated one-third-octave bands of pink noise; see Figures 1 and 3),

3,150-16,000 Hz,

Horizontal:

90° +10°/-16°

Vertical:

40° +18°/-0°

Directivity Factor, $R_{_0}$ (Q), 2,000- to 20,000-Hz Median (see Figure 4):

13.2 (+6.5, -6.1)

Directivity Index, D, 2,000- to 20,000-

Hz Median (see Figure 4):

11.2 dB (+1.8 dB, -2.7 dB)

Transducer Complement,

Low-Frequency:

8-inch woofer

High-Frequency:

DH3 Compression driver on

HP94 Horn

Box Tuning Frequency:

55 Hz

Crossover Frequency:

3,500 Hz

Crossover Slope:

12 dB

Impedance,

Nominal:

8 ohms

Minimum:

5.8 ohms

Input Connections:

Single barrier strip

with screw terminals

Enclosure Materials:

Plywood with removable grille

Finish:

Black textured paint

Grille:

Black powder-coated steel backed

with foam

Suspension: See suspending the

Xi-1082 section

Dimensions,

Height:

488 mm (19.23 in.)

Width:

235 mm (9.25 in.) (front)

150 mm (5.9 in.) (back)

Depth:

285 mm (11.23 in.)

Net Weight:

13.3 kg (28 lb)

Shipping Weight:

14.1 kg (31 lb)

Optional Accessories:

Mb1082 wall/ceiling mounting

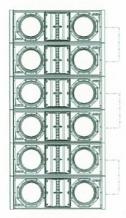
bracket kit; OmniMount® Series 100

mounting hardware

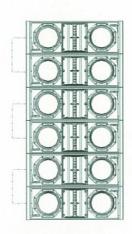


System Applications:

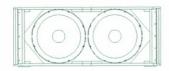
6 XLD-Biamp (3 Segments) -Very-Compact for Small to Medium Venues





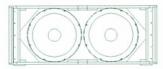


Array Segmentation might vary by venue









Cabinets:

12 x XLD 281, 2 x X-Sub

Horizontal Coverage

2 x 120 deg

Amplifiers:

8 x CP 3000S

Typical: Distance

117dB SPL @ 40 m (130ft)

Controllers:

4 x DX38

Total Amp: Power

2 x 6.400 W = 12.800 W

Cabling:

6 x NL8 long, 10 x NL8 short

Accessories:

4 x XLD Grid, 2 x Coupler-Beam, 3 x XLD Dolly

3 contol segments for optimized array control. Optional drive: 6 x P1200RL & 2 x P3000RL, or 6 x CP2200 & 2 x CP3000RL. For subbass extension add 2 X-Subs.





Key Features:

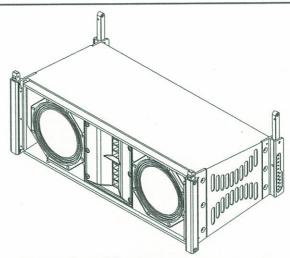
- Very Compact, Lightweight
- CCT™ (Coverage Control Technology)
- Simple, Quick Integrated Rigging
- 120° Horizontal Coverage to 250 Hz
- Versatile Subwoofer Integration
- **Bi-Amp or Tri-Amp Operation**
- **Neodymium Transducers**
- LAPS Aiming and Flying Software



EV engineers have defined a new group of Very Compact line array elements, XLVC. It is comprised of the models; XLD281 full range, XLE181 full range, and the XS212 sub woofer. The XLD281 is a 3-way design using CCT (Coverage Control Technology) to control horizontal coverage to 250 Hz. It uses a 8" neodymium LF transducer, a 8" neodymium LF/MB transducer, and two neodymium 2" voice coil compression drivers combining through 2 hydra plane wave generators into a 120° x 10° waveguide. CCT uses both 8" transducers to provide maximum low frequency output and operating bandwidth while controlling horizontal beam width to 250 Hz by using DSP. The XLD281 can be used in tri-amp mode, or in bi-amp using a sophisticated internal passive network. Designed for use in arrays of four or more elements the XLD281 delivers full bandwidth audio with precise, predictable coverage control. Integrated rigging with hinge points located correctly between array elements is simple to use and quickly provides uncompromised line array performance. Ground stacking is easily done using Array Rails or subwoofers as the array base.

Most applications using flown very compact elements require subwoofers integrated into the same array as the full range systems. XLVC provides two methods to conveniently do this. The XS212 sub woofer module has the same rigging foot print as the XLD281 allowing it to be directly arrayed above, or below XLD281 full range systems. Where vertical space is limited sub woofer arrays can be created and flown behind the XLD281 full range array using an additional grid and a Coupler Beam. LAPS modeling software quickly provides array configurations and rigging information.

XLVC delivers unprecedented performance in applications ranging from live reinforcement to performing arts venues, to houses of worship.



Technical Specifications:

Free Bennengel (2 dB):	75 Hz-18 kHz
Freq. Response ¹ (-3 dB):	
Freq. Range¹ (-10 dB):	60 Hz-20 kHz
Max Calculated SPL1:	135 dB Cont., 141 dB Pk
Horizontal Coverage:	120°
Vertical Coverage:	Array Dependant, Software Definable
Rigging:	Fully Captive Aluminum, 1° increments, 16 elements with 8 to 1 Safety Factor
LF1 Power Handling:	200W Cont., 800W Peak
LF2 Power Handling:	200W Cont., 800W Peak
HF Power Handling:	80W Cont., 320W Peak
Biamp LF1/HF Power Handling:	400W Cont., 1600W Peak LF2 - 200W Cont., 800W Peak
Sensitivity ¹ :	112 dB
Bandpass Freq ² :	50 - 250 Hz
LF1 to HF Crossover Freq ² :	1600 Hz
LF1 Passband: Recommended Amplifier:	1 x 8" DVN2080, 16 ohms EV CP3000S
LF2 Passband: Recommended Amplifier:	1 x 8" DVN2080, 16 ohms, EV CP3000S
HF Passband: Recommended Amplifier:	2 x ND2S, 16 ohms EV CP3000S
Biamp LF1/HF Passband: Recommended Amplifier:	16 ohms, EV CP3000S
Connectors:	2 x NL8
Enclosure Material:	Birch plywood w/EVCoat™
Grille:	Zinc plated steel with powdercoat paint
Environmental Spec:	IEC 529 IP24, MIL 810
Dim (HxWxD):	9.90" x 28.58" x 14.52" (251 x 726 x 369 mm)
Net Weight:	48 lbs (21.8 kg)

Full Space Measurement of 4 Elements.
 Use EV or KT Signal Processing or Download Presets from Electro-Voice Website.







Key Features:

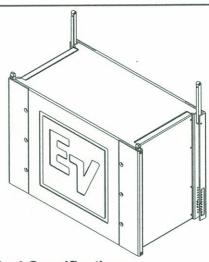
- Dual DVX3120 12"Transducers
- 136 dB, 1000W Continuous
- · Very Compact, Lightweight
- Simple, Quick Integrated Rigging
- Versatile Integration in Main Arrays
- LAPS Aiming and Flying Software



EV engineers have defined a new group of Very Compact line array elements, XLVC. It is comprised of the models; XLD281 full range, XLE181 full range, and the XS212 sub woofer. The XS212 is designed for high-level low frequency extension to 42 Hz. It uses two new generation DVX 3120 forced air-cooled 12" transducers capable of long, linear excursion and high power. A unique configuration allows side firing transducers to match the XLD281's horizontal coverage and provide smaller arrays. XS212 are designed to be used with a ratio of four XLD281 full range systems for each XS212 sub woofer.

Most applications using flown very compact elements require subwoofers integrated into the same array as the full range systems. XLVC provides two methods to conveniently do this. The XS212 sub woofer module has the same rigging foot print as the XLD281 allowing it to be directly arrayed above, or below XLD281 full range systems. Where vertical space is limited sub woofer arrays can be created and flown behind the XLD281 full range array using an additional grid and a Coupler Beam. LAPS modeling software quickly provides array configurations and rigging information. XS212 sub woofers can also be used as the base for ground stack applications.

XLVC delivers unprecedented performance in applications ranging from live reinforcement to performing arts venues, to houses of worship.



Technical Specifications:

Freq. Response ¹ (-3 dB):	52 Hz
Freq. Range ¹ (-10 dB):	42 Hz
Max Calculated SPL1:	130 dB Cont., 136 dB Pk
Vertical Coverage:	Array Dependant, Software Definable
Rigging:	Fully Captive Aluminum, 1° increments, 16 elements with 8 to 1 Safety Factor
Power Handling:	1000W Cont., 4000W Peak
Sensitivity ¹ :	100 dB
Highpass Freq1:	40 Hz
Recommended Crossover Freq1:	100 Hz
LF Passband: Recommended Amplifier:	2 x 12" DVX3120, 4 ohms EV CP3000S
Connectors:	2 x NL8
Enclosure Material:	Birch plywood w/Futura
Grille:	Zinc plated steel with powdercoat paint
Environmental Spec:	IEC 529 IP24, MIL 810
Dim (HxWxD):	20.00" x 28.58" x 14.90" (508 x 726 x 378 mm)
Net Weight:	85 lbs (38.5 kg)
Shipping Weight:	90 lbs (40.8 kg)

¹ Half Space Measurement







X-Line Very Compact - System Components



double 12" side-firing bass cabinet

The XS212 is a double 12-inch bass cabinet featuring two of the new DVX3120 woofers. A unique configuration allows side firing transducers to match the XLD281 horizontal coverage and match the rigging footprint. That allows to either use the XS212 above or below arrays of XLD281 or, if vertical space is limited to be flown behind the full range array.

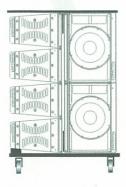
Depending on music style and taste the ratio of XLD to XS212 is 3 or 4 to 1. Ground stacked one XS212 has the same heights as two XLD281 which is convenient for transportation.

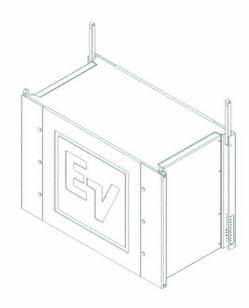


■ EV® is one of the very few loudspeaker manufacturers that has a long experience, heritage and capability for designing and building their own transducers. The DVX3120 is the latest model from the brand new DVX-Series. Forced-Air-Voice-Coil-Cooling provides very low power compression for very high SPL capability, low distortion and reliability.

XLD Bottom Dolly for convenient Transportation

The XLD bottom is suitable for two stacks of either XLD281 or XS212. A top cover and allows for additional stacking of other material on the top. The footprint of the Dolly is 80cm (32 inch) by 85 cm (33.4 inch) to match truck space by using three wide.





- 2 x 12" DVX3120 Woofer
- Same Footprint & Compatible Rigging to XLD281

Technical Specifications

Freq. Response ¹ (-3 dB):	52 Hz
Freq. Range ¹ (-10 dB):	42 Hz
Max Calculated SPL1:	130 dB Cont., 136 dB Pk
Vertical Coverage:	Array Dependant, Software Definable
Rigging:	Fully Captive Aluminum, 1° increments, 16 elements with 8 to 1 Safety Factor
Power Handling:	1000W Cont., 4000W Peak
Sensitivity ¹ :	100 dB
Highpass Freq1:	40 Hz
Recommended Crossover Freq1:	100 Hz
LF Passband: Recommended Amplifier:	2 x 12" DVX3120, 4 ohms EV CP3000S
Connectors:	2 x NL8
Enclosure Material:	Birch plywood w/Futura
Grille:	Zinc plated steel with powdercoat paint
Environmental Spec:	IEC 529 IP24, MIL 810
Dim (HxWxD):	20.00" x 28.58" x 14.90" (508 x 726 x 378 mm)
Net Weight:	85 lbs (38.5 kg)
Shipping Weight:	90 lbs (40.8 kg)

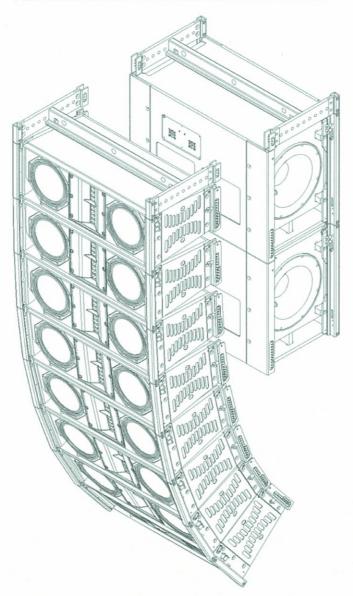
¹ Half Space Measurement.







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KALAKSHETRA AUDITORIUM AUDIO EQUIPMENT SELECTION

SEPT 10th, 2007



		PROVIDER = KALAKSHETRA	
TYPE	Model No.	ITEM DESCRIPTION	QTY
Mix	ELECTRICITY	40 TO 50MTR CABLE FOR POWERING THE MIXING CONSOLE AND ITS RACK, NEEDED ONLY IF NO PLUGS AVAILABLE @ MIX LOCATION OR IN CASE THE PLUG AVAILABLE IS ON ANOTHER PHASE	1
FOH	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK (FF INCLUDED) 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1
Mon	ELECTRICITY	4 AMPS NEEDED FOR MON RACK (WITHOUT THE 4 POWERED ON-STAGE SPEAKERS), 1x16A BREAKER + 1 DISTRIBUTION SOCKET	1
Mix	ELECTRICITY	4 AMPS NEEDED FOR MIX RACK , 1x16A BREAKER + 2 DISTRIBUTION SOCKETS	1
FOH	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK RIGHT 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1



		PROVIDER = PRESIDENT	The section
	By SOUND WIZARD	APW President 144 Maalavika Center / (basement) / Kodambakkam High Road 600 034 Chennai, Tamil Nadu Line 1: (44) 28 25 10 08 Line 2: (44) 28 21 75 06 Line 3: (44) 28 20 60 26 Fax: (44) 28 25 10 08 Email 1: krishna@apwpresident.com	
TYPE	Model No.	ITEM DESCRIPTION	QTY
TIPE	Wiodel No.	TIEM DECORN TION	
Mon	EASIBOX 15U	Fly Case for monitor racks, 15U WITH CASTOR WHEELS AND HANDLES	1
FOH	EASIBOX 15U	Fly case for FOH LEFT and FF amps and processors racking, 15U WITH CASTOR WHEELS AND HANDLES	1
FOH	EASIBOX 15U	Fly case for FOH RIGHT and processors racking, 15 U WITH CASTOR WHEELS AND HANDLES	1
Mix	EASIBOX 15U	Fly Case for MIX racks, 15U WITH CASTOR WHEELS AND HANDLES	1



		PROVIDER = STUDIO CARE	
	By SOUND WIZARD	Studio Care #58, Warren Road / Flat no.4 / Rajeswari Apts / Mylapore 600 004 Chennai, Tamil Nadu Line 1: (44) 42 04 94 36 studiocare@vsnl.net	
TYPE	Model No.	ITEM DESCRIPTION	QTY
Mon	SPEAKON MAIN CABLES	NL4 SPEAKON CABLES	2
Mon	SPEAKON LINK CABLES	NL4 SPEAKON CABLES	2
Mon	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	4
GR	XLR CABLES	XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 20 MTR	1
GR	XLR CABLES	XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 40 MTR	1
FF	LINK CABLES	BARE ENDS LINK CABLES FOR SPEAKERS, 8 MTR	2
FOH	MAIN INPUT SNAKE	Snake cable 32 ins, LENGHT= 50m splice at one end, harting or soca at other end (SEE SCHEMATIC)	1
FOH	MAIN OUTPUT SNAKE	Snake cable 8 OUTS, LENGHT= 50m splice at both ends + internal connection to harting or soca located in FOH RACK LEFT (SEE SCHEMATIC)	1
FOH	MONITOR RACK SNAKE	Snake cable 4 outs length according to the position of monitor rack, splice at one end, harting or soca at other end (SEE SCHEMATIC)	1
Mix	INSERT CABLES	ONE 6.35 STEREO JACK (M) TO 2 XLR (M/F), 6MTR	8
Mix	TASCAM CD01U PRO	CD PLAYER, STEREO, RACKMOUNT TYPE WITH AUTOCUE	1
Mix	TASCAM322	DOUBLE CASSETTE PLAYER AND RECORDER, RACKMOUNT TYPE	1
FOH	SPEAKON MAIN CABLES	NL8 TO NL4 SPEAKON CABLES, FOR BASS CABINETS	2
FOH	ON-STAGE SPLITBOX	1 IN / 2 OUTS REMOTE CONTROL AND SWITCHING BOX FOR LINE ARRAY 3 WAY SPEAKERS	1
FOH	SPEAKON MAIN CABLES	NL8 Y TYPE SPEAKON CABLES, ONE END SPLITTED 3xNL4 FITTED FOR LO/MID/HI SEPARATION, 1MTR	2
FF	SPEAKON CABLES	NL4 SPEAKON TO BARE END CABLE	2
Mon	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR ACTIVE MONITORS INPUT WIRING, 18 METER	2
FOH	RELAY SWITCHBOX	REMOTE CONTROL AND SWITCHING BOX FOR LINE ARRAY 3 WAY SPEAKERS	2
FOH	SPEAKON LINK CABLES	NL8 SPEAKON CABLES, 1 METER	6
FOH	SPEAKON LINK CABLES	NL8 TO NL8 SPEAKON FROM RELAY SWITCH BOX TOWARDS XLD281 CABINETS	4
NTERC OM	CABLE	SHIELDED CABLE FOR INTERCOM CONNEXION 100MTR + XLR PLUGS	1

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		PROVIDER = PRO MUSICALS	
	_{By} SOUND WIZARI	Sudhin Prabhakar Pro Musicals 25, Casa Major Road / Egmore 600 008 Chennai, Tamil Nadu Line 1: (44) 28 19 36 07 Fax: (44) 28 19 38 23 Email 1: promusic@vsnl.com	
TYPE	Model No.	ITEM DESCRIPTION	QTY
FOH	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	12
FOH	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1
GR	M AUDIO SP3	STUDIO PRO 3 M AUDIO PAIR OF ACTIVE SPEAKERS FOR GREEN ROOMS	2
INST	SPARE CABLES	6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	4
MICS	MB1	SAMSON MB1 MIC STANDS SHORT BOOMS	8
MICS	MC18	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 6 METERS PACK OF 3 CABLES	18
MICS	BT4	SAMSON BT4 MIC STANDS LONG BOOMS	12
MICS	SB100	SAMSON SB100 MIC STANDS BIG STUDIO BOOMS	2
Mix	HF MICS CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	10
Mix	NEUTRIK ADAPTERS	RCA (F) TO 6.35 JACK (M) ADAPTERS	4
Mix	SPARE CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	4
Mix	XLR CABLES	RCA (M) TO 6.35 JACK ASYM. CABLES FOR CD CONNECTION, 6 MTRS	2
Mix	XLR CABLES	6.35 JACK (M) TO XLR ASYM. CABLES FOR SOURCE CONNECTION, 6 MTRS	2
Mix	SPARE CABLES	6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	2
Mix	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR MIX RACK	1
Mix	CH700	HEADPHONES	2
Mix	REV 2496	V-VERB PRO REV2496 dual engine (4ch) Behringer	1
Mon	SAMSON D3500	FEEDBACK SUPPRESSORS	2
Mon	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1
FF	SAMSON D3500 EQ	FEEDBACK SUPPRESSOR	1



		PROVIDER = BOSCH	
,	By SOUND WIZARD	Bosch / EVI Audio India Pvt Ltd No. 82 / 83, Borewell Road / Whitefields 560 066 Bengalooru, Karnataka Line 1: (80) 28 45 66 90	
TYPE	Model No.	ITEM DESCRIPTION	QTY
INTERCOM	PH1	INTERCOM HEADSETS	5
INTERCOM	BP319	TELEX WIRED INTERCOM BELTPACKS	5
INTERCOM	TW5W	INTERCOM SPLITTER	1
INTERCOM	PS15	TELEX WIRED INTERCOM POWER SUPPLY	1
INTERCOM	PH1	1 SPARE INTERCOM HEADSET	1
FRONT FILLS	Dynacord S1200	2 x 600 watts @ 4 ohms,High-Efficiency, Power amplifier	1
FRONT FILLS	EV Xi 1082	8-inch two-way, 90° x 40° in horizontal underbalcony format, flying, black FOR FRONT FILLS	4
FOH	EV XLD Grid	Grid for up to 16 XLD cabinets or 8 XS212 cabinets, aluminium, black + ACCESSORIES	2
FOH	EV DX38	2-in4 digital loudspeaker processor with x-over, EQ, delay, compressor/limiter, front-panel display, PC Remote software (RACE)	2
FOH	EV XLD 281	Very Compact line-array cabinet, 2 X 8" DVN2080, 2 X ND2, 120° x 10°, black	10
FOH	Dynacord LX 2200	2 x 1100 watts @ 4 ohms, High-Efficiency, Class-H, SMPS for medium speakers	2
FOH	Dynacord LX 3000	2 x 1500 watts @ 4 ohms, High-Efficiency, Class-H, SMPS for bass cabinets	2
FOH	EV XS 212	X-Line Very Compact Bass Cabinet, 2x DVX3120, 1000 watts, black	2
MICS	EV ND 468	N/DYM® dynamic supercardioid instrument microphone	3
MICS	EV ND 868	N/DYM® dynamic cardioid variant bass drum microphone	2
MICS	EV RE 92L	Premium lapel microphone, cardioid.	3
MICS	EV RE2 BP	Bodypack system includes: BPU-2 transmitter, and a RE-2 Receiver, no microphone in a hard shell road case.	4
MICS	KT DN 100	Roadworthy active direct injection box	3
MICS	EV RE200	Probe-style true condenser cardioid instrument microphone	2
MICS	EV PC 18"	Multi-pattern gooseneck microphone with mic switch and universal base, 18-inch gooseneck	3
MICS	EV RE97 TX	MiniMic Omindirectional Low Profile Headworn microphone in light beige color with TA4F connector	4
MICS	EV RE90B	Boundary condenser microphone,Black	3
MICS	EV ND 767a	N/DYM® dynamic supercardioid lead vocal microphone	3
MICS	EV RE510	Handheld system includes: HTU2C-510 transmitter featuring the RE510 super cardioid Condenser element, and RE-2 diversity receiver.	2
MICS	EV RE2 N7	Handheld system includes: HTU2D-767a transmitter featuring the N/D 767a supercardioid dynamic element, and RE-2 diversity receiver all in a hard shell road case.	. 4
MIXING	KT DN 370	Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1
MIXING	KT DN 504	Four channel / dual stereo compressor / limiter	2
MIXING	Midas Venice 320	28 Mono-, 4 Stereo-Line-Inputs Mixing console	1
MIXING	12V Desk Lamp	LITTLITE GOOSENECK TYPE	2
MONITORS	EV Sxa 360	Powered (100-120V), 12-inch two-way, 350+150W, 65° x 65°, line-level in/out, stand mount, black polypropylene, incl.15ft (5m) power cord	4
MONITORS	KT DN 370	Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1
MONITORS	EV Fri 28 lpm	Dual 8-inch, two-way, low profile, passive, 100° x 100° full range loudspeaker, 200-watt, 93dB 1w@1m, with non-skid rubber feet, Speakon® connectors, black (no bracket)	4
MONITORS	Dynacord S 900	2 x 450 watts @ 4 ohms, High-Efficiency Power amplifier for passive wedges	1



LISTS PER SUPPLIER



KALAKSHETRA V3.0 LINE ARRAY SOUND SYSTEM 4 ACTIVE WAYS / 2 ZONES

By SOUND WIZARD

ITEMS LIST CONT

MIXING	ELECTRICITY	4 AMPS NEEDED FOR MIX RACK , 1x16A BREAKER + 2 DISTRIBUTION SOCKETS	1	KALAKSHETRA
MIXING	ELECTRICITY	40 TO 50MTR CABLE FOR POWERING THE MIXING CONSOLE AND ITS RACK	1	KALAKSHETRA
		TELEX WIRED INTERCOM POWER SUPPLY	1	BOSCH
INTERCOM	PS15			
INTERCOM	TW5W	INTERCOM SPLITTER	1	BOSCH
INTERCOM	BP319	TELEX WIRED INTERCOM BELTPACKS	5	BOSCH
INTERCOM	PH1	INTERCOM HEADSETS	5	BOSCH
INTERCOM	PH1	1 SPARE INTERCOM HEADSET	1	BOSCH
INTERCOM	CABLE	SHIELDED CABLE FOR INTERCOM CONNEXION 100MTR + XLR PLUGS	1	STUDIO CARE
MICROPHONES	EV ND 767a	N/DYM® dynamic supercardioid lead vocal microphone	3	BOSCH
MICROPHONES	EV RE510	Handheld system includes: HTU2C-510 transmitter featuring the RE510 super cardioid Condenser element, and RE-2 diversity receiver.	2	BOSCH
MICROPHONES	EV RE200	Probe-style true condenser cardioid instrument microphone	2	BOSCH
MICROPHONES	EV ND 468	N/DYM® dynamic supercardioid instrument microphone	3	BOSCH
MICROPHONES	EV ND 868	N/DYM® dynamic cardioid variant bass drum microphone	2	BOSCH
MICROPHONES	EV RE90B	Boundary condenser microphone, Black	3	BOSCH
MICROPHONES MICROPHONES	EV RE 92L KT DN 100	Premium lapel microphone, cardioid. Roadworthy active direct injection box	3	BOSCH
MICROPHONES	EV RE2 N7	Handheld system includes: HTU2D-767a transmitter featuring the N/D 767a supercardioid dynamic element, and RE-2 diversity receiver all in a hard shell road case.	4	BOSCH
MICROPHONES	EV PC 18"	Multi-pattern gooseneck microphone with mic switch and universal base, 18-inch gooseneck	3	BOSCH
MICROPHONES	EV RE97 TX	MiniMic Omindirectional Low Profile Headworn microphone in light beige color with TA4F connector	4	BOSCH
MICROPHONES	EV RE2 BP	Bodypack system includes: BPU-2 transmitter, and a RE-2 Receiver, no microphone in a hard shell road case.	4	BOSCH
MICROPHONES	MC18	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 6 METERS PACK OF 3 CABLES	18	PRO MUSICALS
MICROPHONES	BT4	SAMSON BT4 MIC STANDS LONG BOOMS	12	PRO MUSICALS
MICROPHONES	MB1	SAMSON MB1 MIC STANDS SHORT BOOMS	8	PRO MUSICALS
MICROPHONES	SB100	SAMSON SB100 MIC STANDS BIG STUDIO BOOMS	2	PRO MUSICALS
MICROPHONES	SPARE CABLES	6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	4	PRO MUSICALS
GREEN ROOMS	M AUDIO SP3	STUDIO PRO 3 M AUDIO PAIR OF ACTIVE SPEAKERS FOR	2	PRO MUSICALS
GREEN ROOMS	XLR CABLES	GREEN ROOMS XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 40 MTR	1	STUDIO CARE
GREEN ROOMS	XLR CABLES	XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 20 MTR	1	STUDIO CARE



PAGE 2

By SOUND WIZARD

ITEMS LIST CONT

TYPE	Model No.	ITEM DESCRIPTION	QTY	PROVIDER
MONITORS	EASIBOX 15U REF 31-E415-F	Fly Case for monitor racks, 15U WITH CASTOR WHEELS AND HANDLES	1	PRESIDENT
MONITORS	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1	PRO MUSICALS
MONITORS	KT DN 370 EQ	Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1	BOSCH
MONITORS	SAMSON D3500 EQ	FEEDBACK SUPPRESSORS, 1 FOR THE ACTIVE MONITORS AND ONE FOR THE PASSIVE WEDGES	2	PRO MUSICALS
MONITORS	EV Sxa 360	Powered (100-120V), 12-inch two-way, 350+150W, 65° x 65°, line-level in/out, stand mount, black polypropylene, incl.15ft (5m) power cord	4	BOSCH
MONITORS	EV Fri 28 lpm	Dual 8-inch, two-way, low profile, passive, 100° x 100° full range loudspeaker, 200-watt, 93dB 1w@1m, with non-skid rubber feet, Speakon® connectors, black (no bracket)	4	BOSCH
MONITORS	Dynacord S 900	2 x 450 watts @ 4 ohms,High-Efficiency Power amplifier	1	BOSCH
MONITORS	MON SNAKE	Snake cable 32 ins, LENGHT= according to the placement of monitor console, splice at one end, harting or soca at other end	1	STUDIO CARE
MONITORS	SPEAKON MAIN CABLES	NL4 SPEAKON CABLES	2	STUDIO CARE
MONITORS	SPEAKON LINK CABLES	NL4 SPEAKON CABLES	2	STUDIO CARE
MONITORS	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	4	STUDIO CARE
MONITORS		XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR ACTIVE MONITORS INPUT WIRING, 18 METER	2	STUDIO CARE
MONITORS	ELECTRICITY	4 AMPS NEEDED FOR MON RACK (WITHOUT THE 4 POWERED ON-STAGE SPEAKERS), 1x16A BREAKER + 1 DISTRIBUTION SOCKET	1	KALAKSHETRA
MIXING	Midas Venice 320	28 Mono-, 4 Stereo-Line-Inputs Mixing console	1	BOSCH
MIXING	REV 2496 BEHRINGER	VVEDD DDO DEV2406 dual angina (44b) Dahringay	1	PRO MUSICALS
MIVING		V-VERB PRO REV2496 dual engine (4ch) Behringer LITTLITE GOOSENECK TYPE		BOSCH
MIXING MIXING	12V Desk Lamp KT DN 504		2	BOSCH
MIXING		Four channel / dual stereo compressor / limiter	2	BOSCH
		Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1	
MIXING		ONE 6.35 STEREO JACK (M) TO 2 XLR (M/F), 6MTR Fly Case for MIX racks, 15U WITH CASTOR WHEELS AND HANDLES	1	STUDIO CARE PRESIDENT
MIXING	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR MIX RACK	1	PRO MUSICALS
MIXING		CD PLAYER, STEREO, RACKMOUNT TYPE WITH AUTOCUE	1	STUDIO CARE
MIXING	T400411000	DOUBLE CASSETTE PLAYER AND RECORDER, RACKMOUNT TYPE	1	STUDIO CARE
MIXING		RCA (M) TO 6.35 JACK ASYM. CABLES FOR CD CONNECTION, 6 MTRS	2	PRO MUSICALS
MIXING	XLR CABLES	6.35 JACK (M) TO XLR ASYM. CABLES FOR SOURCE CONNECTION, 6 MTRS	2	PRO MUSICALS
MIXING	ADAPTERS	RCA (F) TO 6.35 JACK (M) ADAPTERS	4	PRO MUSICALS
MIXING	SPARE CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	4	PRO MUSICALS
MIXING		6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	2	PRO MUSICALS
MIXING	HF MICS CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	10	PRO MUSICALS
MIXING	CH700	HEADPHONES	2	PRO MUSICALS



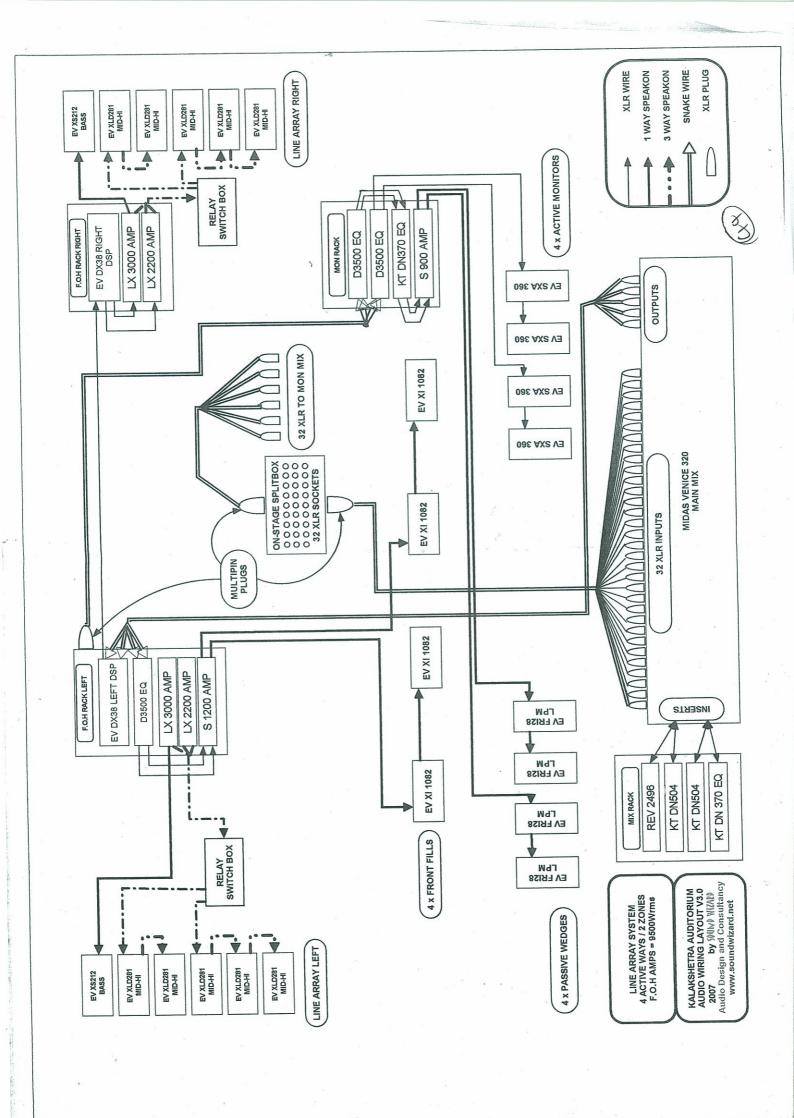
PAGE 1

By SOUND WIZARD

ITEMS LIST

TYPE	Model No.	ITEM DESCRIPTION	QTY	PROVIDER
FOH SOUND SYSTEM	EV XLD 281	Very Compact line-array cabinet, 2 X 8" DVN2080, 2 X ND2, 120° x 10°, black	10	BOSCH
FOH SOUND SYSTEM	EV XS 212	X-Line Very Compact Bass Cabinet, 2x DVX3120, 1000 watts, black	2	BOSCH
FOH SOUND SYSTEM		Grid for up to 16 XLD cabinets or 8 XS212 cabinets, aluminium, black + ACCESSORIES	2	BOSCH
FOH SOUND SYSTEM		2-in4 digital loudspeaker processor with x-over, EQ, delay, compressor/limiter, front-panel display, PC Remote software (RACE)	2	BOSCH
FOH SOUND SYSTEM	Dynacord LX 2200	2 x 1100 watts @ 4 ohms,High-Efficiency, Class-H, SMPS for medium and treble speakers	2	BOSCH
FOH SOUND SYSTEM	Dynacord LX 3000	2 x 1500 watts @ 4 ohms, High-Efficiency, Class-H, SMPS for bass cabinets	2	BOSCH
FOH SOUND SYSTEM	EASIBOX 15U REF 31-E415-F	Fly case for FOH LEFT and FF amps and processors racking, 15U WITH CASTOR WHEELS AND HANDLES	1	PRESIDENT
FOH SOUND SYSTEM	EASIBOX 15U REF 31-E415-F	Fly case for FOH RIGHT and processors racking, 15 U WITH CASTOR WHEELS AND HANDLES	1	PRESIDENT
FOH SOUND SYSTEM	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1	PRO MUSICALS
FOH SOUND SYSTEM	RELAY SWITCHBOX	1 IN / 2 OUTS REMOTE CONTROL AND SWITCHING BOX FOR LINE ARRAY 3 WAY SPEAKERS	2	STUDIO CARE
FOH SOUND SYSTEM	MAIN INPUT SNAKE	Snake cable 32 ins, LENGHT= 50m splice at one end, harting or soca at other end (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	MAIN OUTPUT SNAKE	Snake cable 8 OUTS, LENGHT= 50m splice at both ends + internal connection to harting or soca located in FOH RACK LEFT (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	MONITOR RACK SNAKE	Snake cable 4 outs length according to the position of monitor rack, splice at one end, harting or soca at other end (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	ON-STAGE SPLITBOX	SPLITTER BOX WITH 2 SOCAPEX OR HARTING PLUGS AND 32 XLR (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON MAIN CABLES	NL8 TO NL4 SPEAKON CABLES, FOR BASS CABINETS	2	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON MAIN CABLES	NL8 Y TYPE SPEAKON CABLES, ONE END SPLITTED 3xNL4 FITTED FOR LO/MID/HI SEPARATION, 1MTR	2	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON LINK CABLES	NL8 SPEAKON CABLES, 1 METER	6	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON LINK CABLES	NL8 TO NL8 SPEAKON FROM RELAY SWITCH BOX TOWARDS XLD281 CABINETS	4	STUDIO CARE
FOH SOUND SYSTEM	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	12	PRO MUSICALS
FOH SOUND SYSTEM	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK LEFT (FF INCLUDED) 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1	KALAKSHETRA
FOH SOUND SYSTEM	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK RIGHT 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1	KALAKSHETRA
FRONT FILLS	EV Xi 1082	8-inch two-way, 90° x 40° in horizontal underbalcony format, flying, black FOR FRONT FILLS	4	BOSCH
FRONT FILLS	Dynacord S1200	2 x 600 watts @ 4 ohms, High-Efficiency, Power amplifier	1	BOSCH
FRONT FILLS	SPEAKON CABLES	NL4 SPEAKON TO BARE END CABLE	2	STUDIO CARE
FRONT FILLS	LINK CABLES	BARE ENDS LINK CABLES FOR SPEAKERS, 8 MTR	2	STUDIO CARE
FRONT FILLS	SAMSON D3500 EQ	FEEDBACK SUPPRESSOR	1	PRO MUSICALS







KALAKSHETRA AUDITORIUM AUDIO EQUIPMENT LISTS

SEPT 10th, 2007





ALWAYS MAKE SURE THAT THE QUICK-RELEASE PINS ON THE HINGE BARS FULLY LOCK INTO THE HOLES IN THE FRONT RIGGING TUBES ON BOTH THE ENCLOSURE AND THE GRID.



ALWAYS MAKE SURE THAT THE LEFT AND RIGHT SWING ARMS ON THE ENCLOSURE ARE LOCKED INTO THE SAME HOLES FOR THE SAME VERTICAL SPLAY ANGLE ON THE GRID.



ALWAYS MAKE SURE THAT THE QUICK-RELEASE PINS FOR EVERY SWING ARM PASS THROUGH THE HOLE IN THE SWING ARM AND ARE FULLY LOCKED IN THE RIGGING CHANNELS IN THE GRID.

The AGCD adapter grid may also be used to stack an XLD281 enclosure on top of an XLC subwoofer. Figure 11b shows an XLD281 stacked on top of an XLC215 subwoofer.

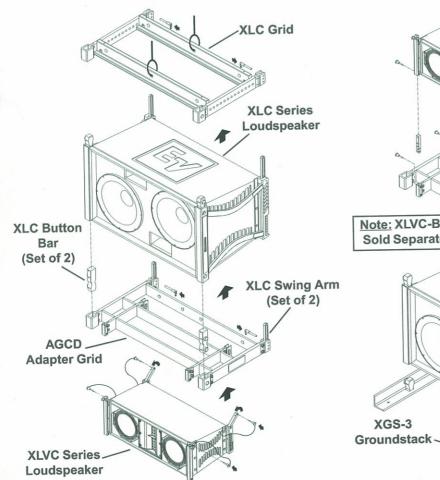


Figure 11a: Using the AGCD Adapter Grid for Flying Arrays

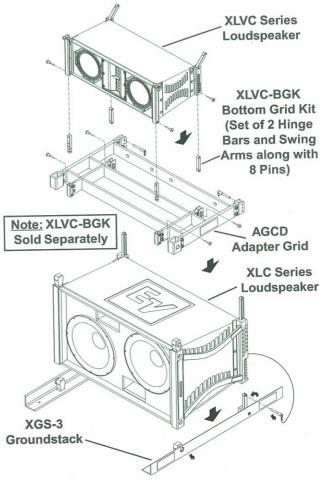


Figure 11b:

Using the AGCD Adapter Grid

for Groundstacking Arrays

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Position an XLVC grid underneath the XLVC loudspeaker system, as shown in Figure 10a. Insert the loose swing arms on the bottom of the enclosure into the rear rigging channels on the grid and attach the arms to the grid in the top hole with the quick-release pins. Swing the grid up and insert the exposed hinge bars at the bottom front of the enclosure into the front rigging tubes on the grid and secure using the quick-release pins. The standard grid is now attached to the bottom of the enclosure.



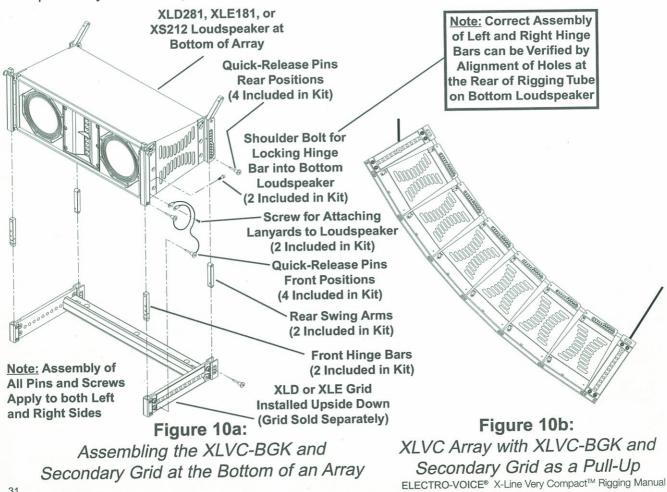
ALWAYS MAKE SURE THAT THE LEFT AND RIGHT SWING ARMS ON THE ENCLOSURE ARE LOCKED INTO THE SAME HOLES FOR THE SAME VERTICAL SPLAY ANGLE ON THE GRID.



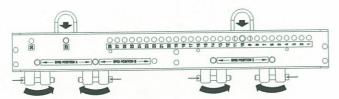
ALWAYS MAKE SURE THAT THE QUICK-RELEASE PINS FOR EVERY SWING ARM PASS THEROUGH THE HOLE IN THE SWING ARM AND ARE FULLY LOCKED IN THE RIGGING CHANNELS IN THE GRID.

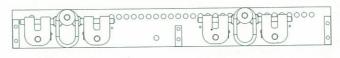
A 5/8-inch shackle can be installed into the center position of the spreader bar on the bottom grid. A ratchet strap can be attached to the shackle to enable adjustment for pull up. The entire array can then be lifted, as shown in Figure 10b, and the vertical tilt angle adjusted as necessary using the ratchet strap.

The XLVC-BGK may also be used with the AGCD adapter grid for groundstacking XLD281 loudspeaker systems on top of XLC loudspeaker systems. See the AGCD section for details.









Step 1: Install Pickup Rings in Hole #10 and #29 and Yokes in Positions A and C

Step 2: Rotate Yokes, Then Drop Pickup Rings (View Shown Cutaway for Clarity)

Figure 9e:

CBEAM Shipping/Transport Configuration

2.5 Using the XLVC-BGK and Grid for Pull Up

The XLVC-BGK is a rigging kit with the hardware necessary to install front hinge bars and rear swing arms on the bottom of the XLD281 and XLE181 loudspeaker system enclosures. This makes it possible to attach a grid to the bottom of an enclosure. The bottom grid can be used as a pull back on the bottom of a column to achieve downward tilt angles for the entire array that are greater than could be achieved from just a grid.

The XLVC-BGK consists of two front hinge bars, two rear swing arms, a shoulder bolt for the hinge bars and four sets of quick-release pins with screws to attach the lanyards to the enclosure rigging, as shown in Figure 10a.

Install the rectangular ends of the two hinge bars into the front rigging tubes the XLVC enclosure, as shown in Figure 10a, and secure each in the tubes with a quick-release pin having a green lanyard. The front hinge bars are mirror image. Make sure that the hinge bars are installed into the rigging tubes on the enclosure so that the two holes on the back side of the tube line up with the two holes on the bars. If the holes do not line up, exchange the left and right bars. Install the large hex-socket-head shoulder bolt through the slot in the rigging tube into the rear of the front hinge bars. The head of this bolt will serve as a handle to move the hinge bars in and out of the tubes. On each side of the enclosure, insert one of the small hex-socket-head bolts through the tab of the lanyard securing the hinge bar and through the tab of another matching quick-release pin having a green lanyard, then screw the bolt into the threaded hole on the side of the enclosure rigging. The extra quick-release pin on each side will be used to secure the hinge bars to the bottom grid. The newly added rigging should match the hinge bar and lanyards at the top of the enclosure. The extra front hinge bars at the bottom can be retracted into the rigging tubes during transport.

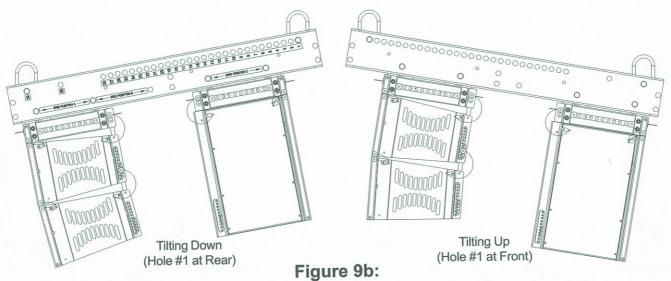
Secure the swing arms to rigging channels on each side of the enclosure by inserting a quick-release pin having a yellow lanyard into the 3° hole on the rigging channel, as shown in Figure 10a. The extra quick-release pins having a yellow lanyard will be used to attach the loose end of the swing arms to the bottom grid. There is insufficient room for both sets of swing arms to be retracted into the rear rigging channel during transport. Therefore, the bottom set of swing arms and quick-release pins will need to be removed when the enclosure is transported. Because the extra hardware must be removed, screws are not provided to attach the rear lanyards to the sides of the enclosure rigging.



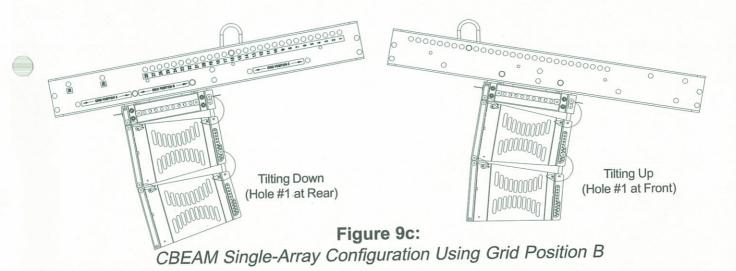
ALWAYS MAKE SURE THAT THE QUICK-RELEASE PINS ON THE HINGE BARS FULLY LOCK INTO THE ROUND HOLES IN THE FRONT RIGGING TUBES ON BOTH THE ENCLOSURE AND THE GRID.

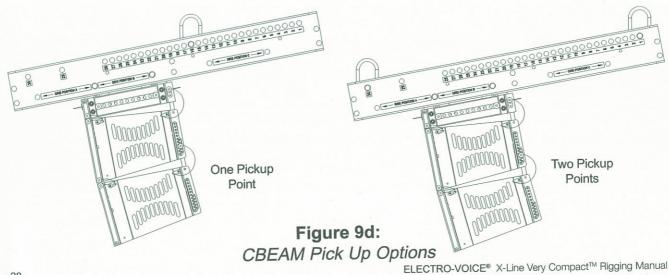
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(2)



CBEAM Dual-Array Configuration Using Grid Positions A and C









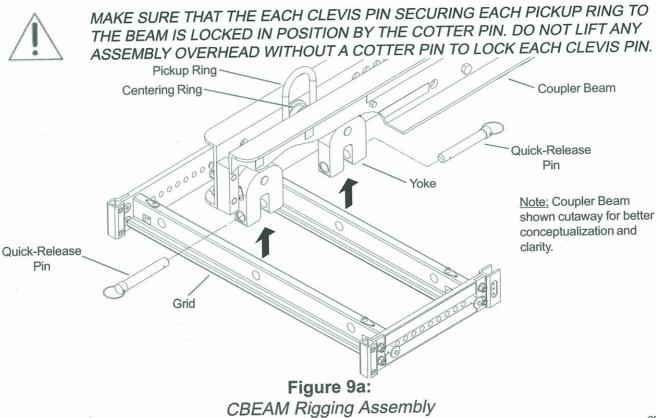
ALWAYS MAKE SURE THAT EACH QUICK-RELEASE PIN SECURING EACH GRID SPREADER BAR IS FULLY LOCKED IN EACH YOKE.

As shown in Figure 9d, the CBEAM may be picked up using one pickup point or two pickup points. The two pick up points may be raised and lowered as necessary to adjust the vertical tilt angle. When using two pick up points, the pickup rings are usually installed in Holes #1 and #30 at the extreme ends of the CBEAM for maximum front-to-back stability. However, the pickup rings may be relocated to redistribute the load between the front and back points. In Holes #1 and #30 can only accommodate tilt angles of up to 30° before the rings will contact the spacer bars in the beam assembly. When greater tilt angles are required, the pickup points should be moved towards the center of the CBEAM.

When using one pickup point, the vertical tilt of the array can be adjusted by changing the hole in which the pickup ring is installed in the CBEAM. The LAPS program can be used to determine which hole to use to achieve the desired vertical angle.

Each pickup ring has a centering ring. The centering ring positions the pickup ring in the center of the CBEAM slot so that array will hang straight and not tilt sideways. To relocate the pickup ring, remove the cotter pin from the clevis pin and remove the clevis pin from the beam assembly. Move the pickup ring and centering ring to the desired hole and reinstall the clevis pin in the beam assembly holes, then secure the clevis pin with the cotter pin.

For Shipping/Transport, the yoke and ring assemblies may be installed in the beam assembly, as shown in Figure 9e, so that all moving parts are recessed.



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MAKE SURE THAT THE QUICK-RELEASE PINS ATTACHED TO THE GRID SIDEARMS FULLY LOCK INTO THE HOLES IN THE ENDS OF THE SPREADER BARS. ALWAYS MAKE SURE THAT EACH SPREADER BAR IS ATTACHED TO THE SAME HOLE ON THE LEFT AND RIGHT SIDEARMS.

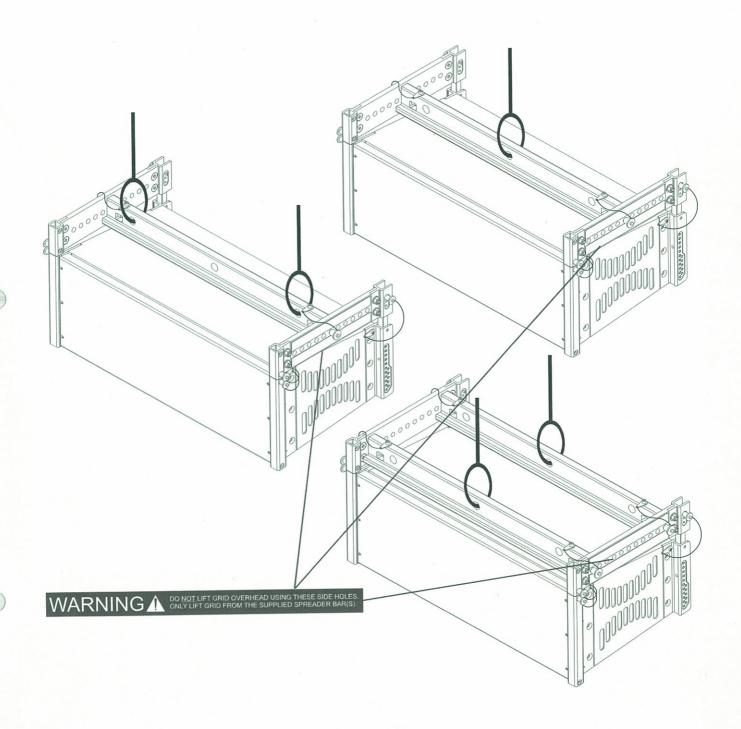
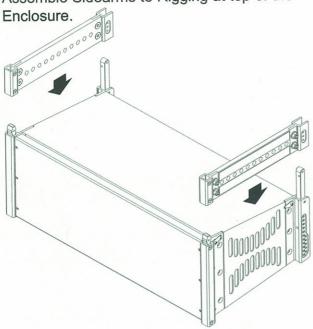


Figure 8b:
XLD GRID and XLE GRID Rigging Configurations



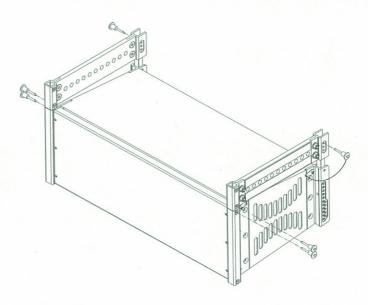
Step 1:

Assemble Sidearms to Rigging at top of the



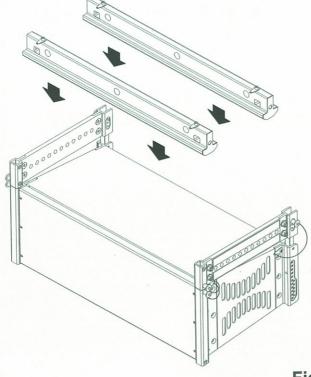
Step 2:

Insert Quick-Release Pins through Enclosure Rigging and Sidearms.



Step 3:

Assemble Spreader Bar(s) to Sidearms.



Step 4:

Insert Quick-Release Pins through Sidearms and Spreader Bar(s) using the hole locations from LAPS.

See next page for fully assembled configurations.

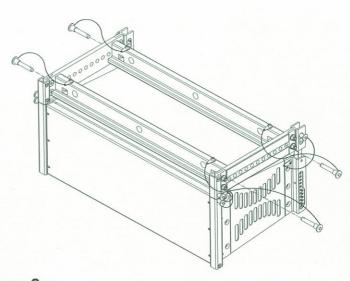


Figure 8a: XLD GRID and XLE GRID Rigging Assembly

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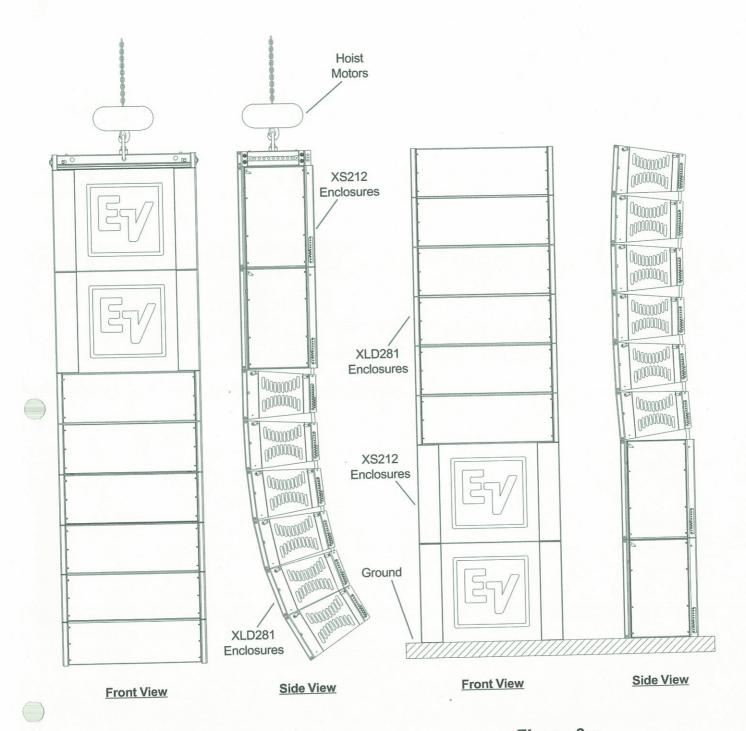


Figure 6b: Flying an Array of XLD281's under XS212's using Interactive Rigging

Figure 6c: Groundstacking XLD281's over XS212's using Interactive Rigging



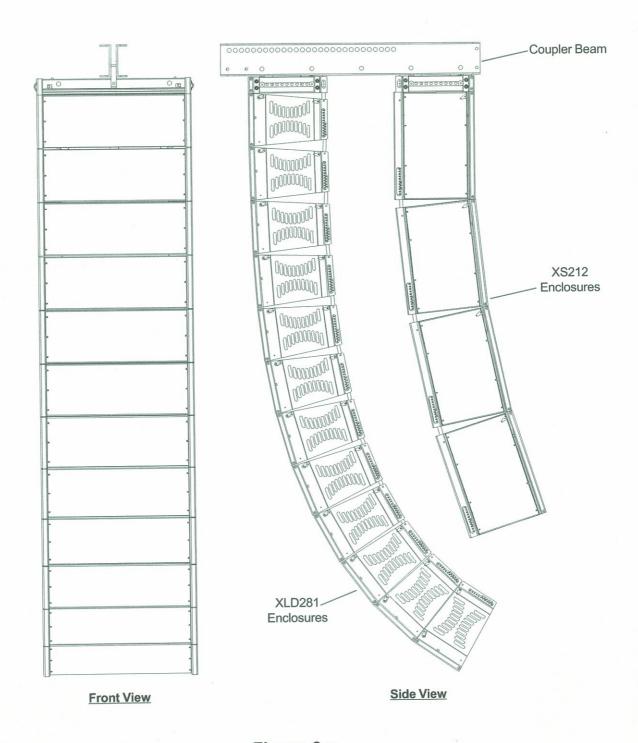


Figure 6a:
Flying an Array of XS212's behind XLD281's using the XLVC Coupler Beam
(audience only sees XLD281's)



XGS-4

The XGS-4, shown in Figure 5f, is a pair of rails that may be used to groundstack XLVC loudspeaker systems. Each rail is an L-bracket that has multiple sets of front hinge bar rigging and rear swing arm rigging that mate with the front rigging tube and rear rigging channels on the bottom XLVC loudspeaker enclosure rigging.

The XGS-4 may be used to stack a single column of XLD281 systems, a single column of XLE181 systems or an XLD281 column and XS212 column combined.

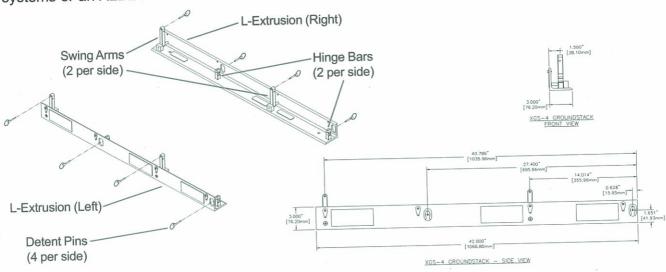


Figure 5f: XGS-4 Groundstack Details/Dimensions

XLD/XS DOLLY

The XLD/XS DOLLY, shown in Figure 5g, is a dolly for transporting XLD281 and/or XS212 loudspeaker systems. The dolly will accommodate two columns of loudspeaker systems - two columns of XLD281 systems, two columns of XS212 systems or an XLD281 column and an XS212 column combined. XLD281 systems may be stacked 6 high on the dolly. XS212 systems may be stacked 3 high on the dolly. The systems are strapped down with ratchet straps and offer side panel kits for additional protection during transport.

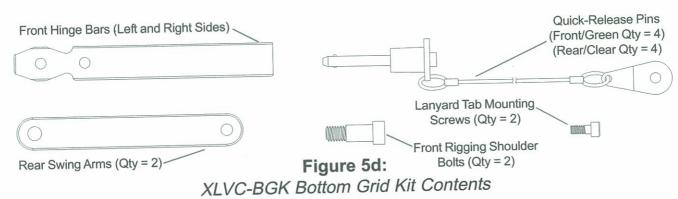
SP12.6

The SP12.6 is a side panel kit to be seamlessly integrated into the XLD/XS Dolly when additional protection is needed during transport. The SP12.6 allows for protection of two columns of six XLD281 loudspeaker systems for a total of (12) XLD281 loudspeaker systems, for protection of two columns of three XS212 loudspeaker systems for a total of (6) XS212 loudspeaker systems, or for protection of combined columns of (6) XLD281 loudspeaker systems and (3) XS212 loudspeaker systems.

SP8.4

15

The SP8.4 is a side panel kit to be seamlessly integrated into the XLD/XS Dolly when additional protection is needed during transport. The SP8.4 allows for protection of two columns of four XLD281 loudspeaker systems for a total of (8) XLD281 loudspeaker systems, for protection of two columns of two XS212 loudspeaker systems for a total of (4) XS212 loudspeaker systems, or for protection of combined columns of (4) XLD281 loudspeaker systems and (2) XS212 loudspeaker ELECTRO-VOICE® X-Line Very Compact™ Rigging Manual systems.

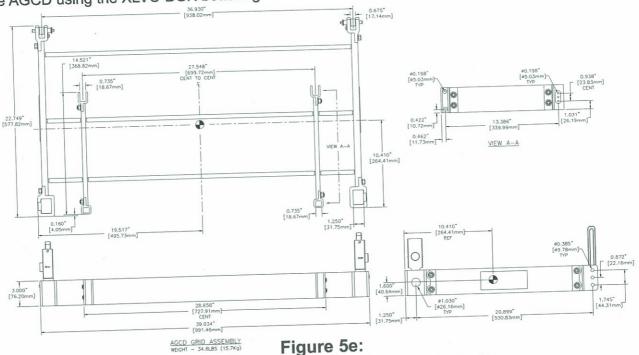


AGCD

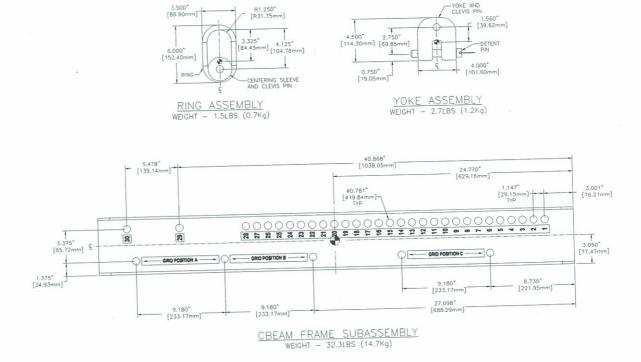
The AGCD, shown in Figure 5e, is an adapter grid that allows XLD281 very-compact line-array loudspeaker systems to be rigged below XLC compact line-array loudspeaker systems. A typical example would be to use the AGCD construct a line array with two XLC215 (or XLC118) subwoofer systems at the top of a column with several XLD281 systems suspended below.

At the front of the AGCD are two sets of rigging tubes - one pair of rigging tubes mate with the XLVC front hinge bars and the other pair mate with the XLC front hinge bars. At the rear of the AGCD are two sets of rigging channels - one pair of rigging channels mate with the XLVC rear swing arms and the other pair mate with the XLC rear swing arms. The AGCD includes a pair of front XLC hinge bars and a pair of XLC rear swing arms that can be installed into the top of the adapter grid, allowing the AGCD to be suspended below an XLC215 (or XLC118) system. An XLD281 system can then be hung directly from the bottom of the AGCD.

The AGCD may also be used to place XLD281 loudspeaker systems on top of XLC215 (or XLC118) loudspeaker systems above an XGS-3 groundstack. In this case, the adapter grid is secured to the top of the XLC subwoofer and an XLD281 system may be attached to the top of the AGCD using the XLVC-BGK bottom grid kit.



AGCD Adapter Grid Dimensions and Weights ELECTRO-VOICE® X-Line Very Compact™ Rigging Manual



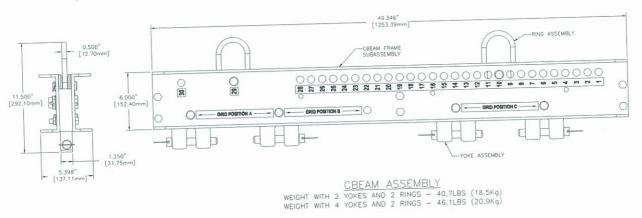


Figure 5c: CBEAM Rigging Dimensions and Weights

XLVC-BGK

The XLVC-BGK, shown in Figure 5d, is a bottom grid kit that allows the XLD GRID to be attached to the bottom of the XLD281 loudspeaker systems or the XLE GRID to be attached to the bottom of the XLE181 loudspeaker systems. The bottom grid can then be used to pull back a column of XLVC loudspeaker systems to achieve a greater downward tilt than gravity would allow without a pull back.

The top of all XLVC loudspeaker systems have hinge bars mounted in the top of the front rigging tubes and swing arms mounted in the top of the rear rigging channels. However, the rigging tubes and channels are open at the bottom of all XLVC system rigging to accept hinge bars and swing arms from and enclosure below. The XLVC-BGK consists of a pair of XLVC front hinge bars, a pair of XLVC rear swing arms and a set of quick-release rigging pins for those bars and arms. ELECTRO-VOICE® X-Line Very Compact™ Rigging Manual

XLE GRID

The XLE GRID is a grid used for suspending a column of XLE181 loudspeaker systems overhead and is shown in Figure 5b. The XLE GRID sidearms are identical to that of the XLD GRID. However, the XLE GRID spreader bars are shorter to match the width of the XLE181 loudspeaker system rigging.

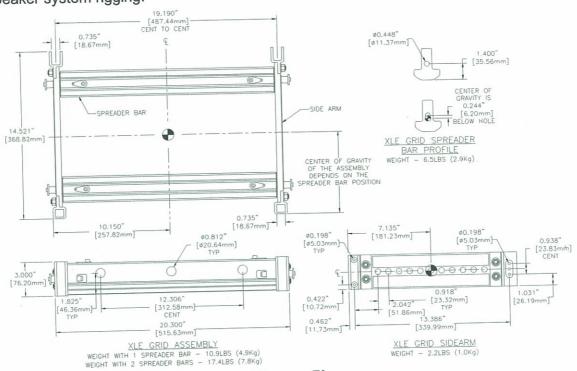


Figure 5b: XLE GRID Rigging Dimensions and Weights

CBEAM

The CBEAM, shown in Figure 5c, has two functions. It may be used a coupler beam to enable a column of XS212 systems to be hung behind a either a column of XLD281 loudspeaker systems or a column of XLE181 systems. The XLD GRID and XLE GRID grids are used to attach a column of loudspeakers to the CBEAM. The CBEAM may also be used as an extender beam to hang a single column of loudspeaker systems overhead (either XLD281 or XLE181). As an extender beam, the CBEAM allows a single pickup point that is beyond the end of either the XLD GRID or the XLE GRID, enabling the entire array to be tilted downward at greater angles, eliminating the need to use a pull back from the bottom of the column. The CBEAM may also be reversed to enable greater upward angles for the loudspeaker column.

Two yoke assemblies are used to attach each grid (either XLD GRID or XLE GRID) to the CBEAM. Each yoke is fastened the two spreader bars from the grids. Quick-release pins are used to secure the grid spreader bars to the yokes.

When two hoist motors are used to suspend a CBEAM overhead, the two motors are attached to the front and back of the CBEAM. In this case, the hoist motors are used to adjust the vertical angle of the CBEAM and the array underneath. When one hoist motor is used, the vertical angle of the CBEAM and the array underneath is determined by the front-to-back position at which the hoist is attached to the CBEAM. There are a series of holes in the CBEAM the user may select to adjust the vertical angle.

ELECTRO-VOICE® X-Line Very Compact™ Rigging Manual

1.3 XLVC Rigging Accessory Details

Several accessories for rigging the XLVC loudspeaker systems are shown in Figure 5. This figure includes the center of gravity and rigging dimensions for the accessories and includes sufficient information to calculate the vertical angle of XLVC enclosures that are rigged together in a column, as well as the weight distribution throughout the column.

XLD GRID

The XLD GRID is a grid used for suspending a column of XLD281 or XS212 loudspeaker systems overhead and is shown in Figure 5a. The grid consists of two sidearm assemblies and two spreader bar assemblies. The front of the sidearm has a rectangular tube identical to that on the loudspeaker systems. The hinge bar from the top loudspeaker system is inserted into the grid tube and pinned into place using the same quick-release pins from the loudspeaker. The rear of the sidearm has channel with a vertical slot that is similar to that on the loudspeaker systems. The swing arm from the top loudspeaker system is inserted into the grid tube and pinned into place using the same quick-release pins from the loudspeaker.

The grid sidearms are then attached to either one or two spreader bars. Two spreader bars are used when two front-to-back pickup points are required. One spreader bar is used when two side-to-side pickup points are required or one center pickup point is required.

Quick-release pins are used to secure the sidearms to the spreader bar. The width of the assembly matches the width of the XLD281 and XS212 loudspeaker rigging.

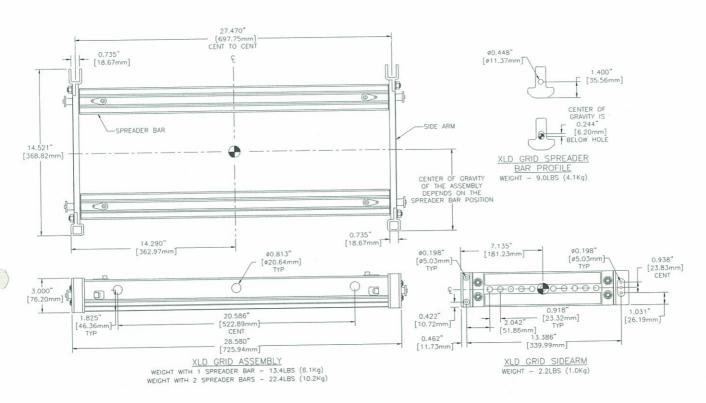


Figure 5a:
XLD GRID Rigging Dimensions and Weights



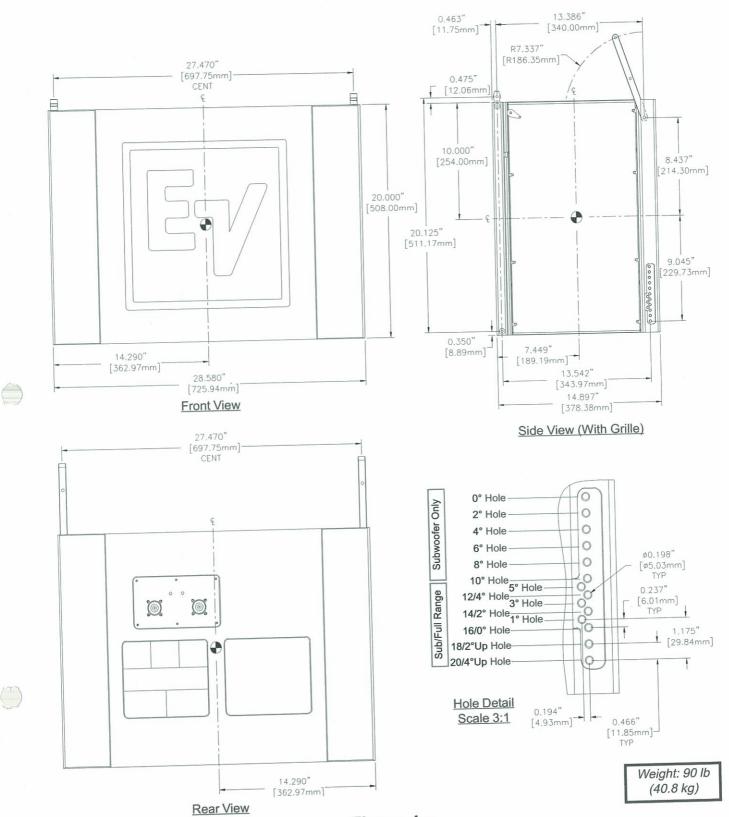


Figure 4c:
XS212 Rigging Dimensions and Weights



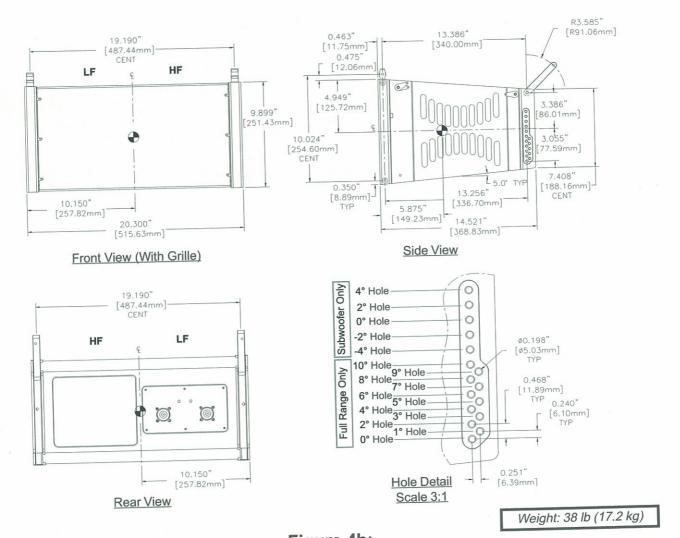


Figure 4b: XLE181 Rigging Dimensions and Weights



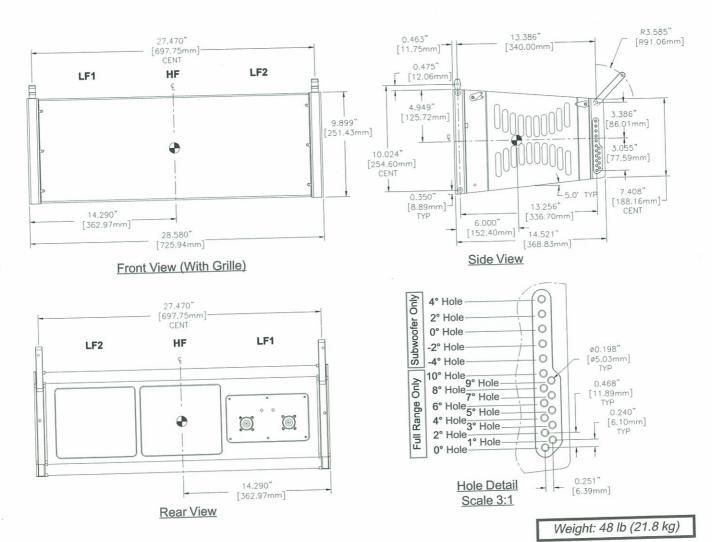
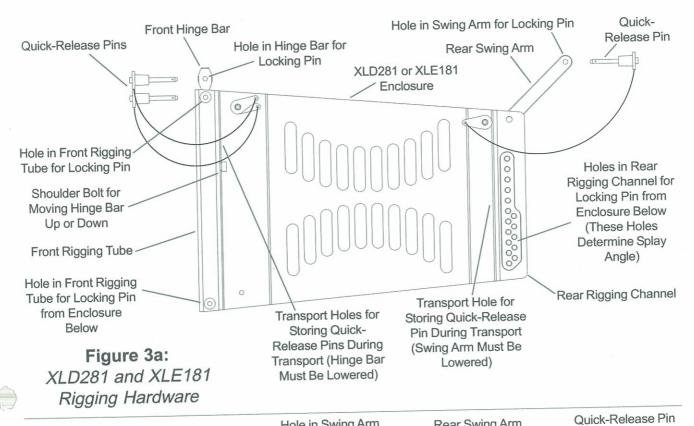
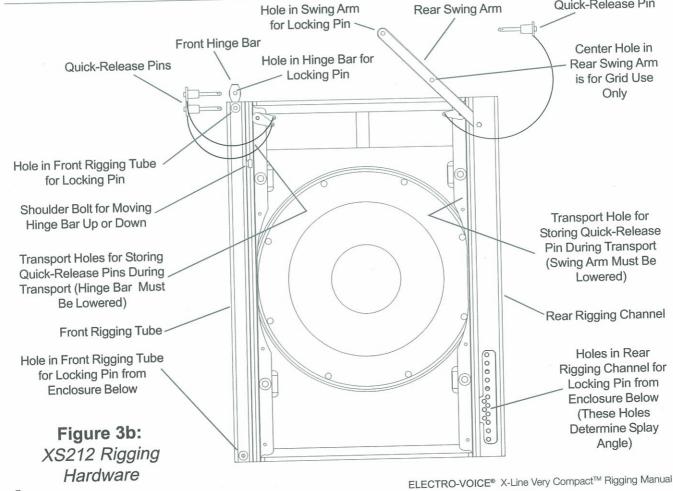


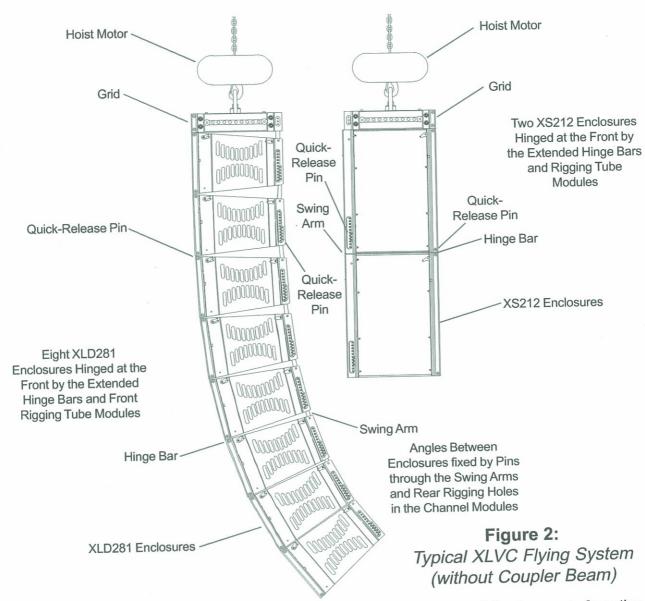
Figure 4a: XLD281 Rigging Dimensions and Weights











The swing arm from an enclosure below can be pivoted up so that the quick-release pin from the enclosure below may be inserted through a hole in the rigging slot on the channel module above, linking the two enclosures together. The vertical tilt angle of the bottom enclosure is then determined by the hole in which the swing arm is pinned. This pin fixes the maximum distance the back corners of the enclosures may be separated. The XLD281 and XLE181 enclosures may be angled from 0° to 10° in 1° increments, while the XS212 enclosure may be angled from 0° to 20° in 2° increments.

The XLD281 and XS212 loudspeaker systems may be rigged together in the same column because they have the same width. However, the XLE181 system may not be rigged to either an XLD281 or XS212 because it is not as wide.

The center of gravity and rigging dimensions for all of the XLVC loudspeaker systems are shown in Figure 4. This figure includes sufficient information to calculate the vertical angle of XLVC enclosures that are rigged together in a column, as well as the weight distribution throughout the column.

ELECTRO-VOICE® X-Line Very Compact™ Rigging Manual

1. X-Line Very Compact Rigging System

1.1 Overview of the XLVC Flying System

The XLVC loudspeaker systems have been designed to construct correct acoustic line arrays. Acoustic line arrays typically consist of independent columns of loudspeaker systems that acoustically and coherently sum to radiate cylindrical wavefronts. This simplifies the rigging system.

The XLVC loudspeaker enclosures utilize a hinged rigging system that makes constructing arrays easy, predictable and repeatable. This front-hinging rigging concept allows arrays to be accurately constructed with the least possible spacing between enclosures. The front and back rigging hardware for linking two enclosures together are captured as an integral part of the side rigging tube and channel modules.

A basic array is shown in Figure 2 that illustrates the integral components that make up a typical XLVC flying system. The XLD281 and XLE181 enclosures are vertically trapezoidal - taller at the front than at the back. The enclosures are hinged at the front corners using rigging hardware specially designed for the XLVC system. The enclosures are linked at the rear using rigging arms that have multiple attachment positions. The different positions adjust how close the back corners of the enclosures are pulled together; hence, adjusting the vertical angle of the bottom enclosure.

1.2 XLVC Enclosure Rigging Hardware Details

On each side of the enclosure are XLVC rigging tube and channel modules. All the rigging hardware needed to fly a column of XLVC enclosures is an integral part of the high-strength aluminum-alloy rigging tube and channel modules. The structural load is transmitted through the modules minimizing the load on the loudspeaker enclosure shell. Figure 3 illustrates the XLVC enclosure rigging hardware components. Figure 4 shows key dimensions for the rigging hardware.

At the front rigging module is a rectangular rigging tube. Captured inside the rigging tube is a rigging connector called the hinge bar. The hinge bar is constructed from a high-strength aluminum alloy. The hinge bar can slide out the top of the tube and be locked into position as shown in Figure 2. The portion of the hinge bar sticking out the top would be inserted into the front rigging tube of an enclosure above and pinned into place, linking the two enclosures together and forming a hinging point between the two enclosures. The hinge bar can also be fully retracted inside the tube for transportation.

Each hinge bar has two holes in the bar for rigging box-to-box or securing pins for transport. The front rigging tube has two holes for pinning the bar in place to construct arrays or for transport. As shown in Figures 3a and 3b, the bottom hole and pin on the bar locks the hinge bar in place at the top of the tube. The exposed top hole and pin is then used to lock the hinge bar in the tube of an enclosure above. For transportation, the hinge bar would be slid down inside the tube and would be locked in the tube module using the two "transport holes" on the rear of the front rigging tube.

At the rear is a channel module with a vertical rigging slot. Captured inside the rigging slot is a rigging connector called the swing arm. The swing arm is constructed from a high-strength aluminum alloy. The swing arm can be pivoted to stick out the top as shown in Figures 3a and 3b. At the bottom of the channel from the enclosure above, the rear rigging slot has a series of holes.

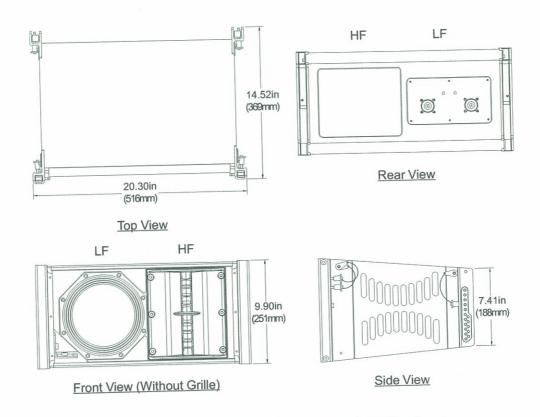


Figure 1b: XLE181 Loudspeaker System

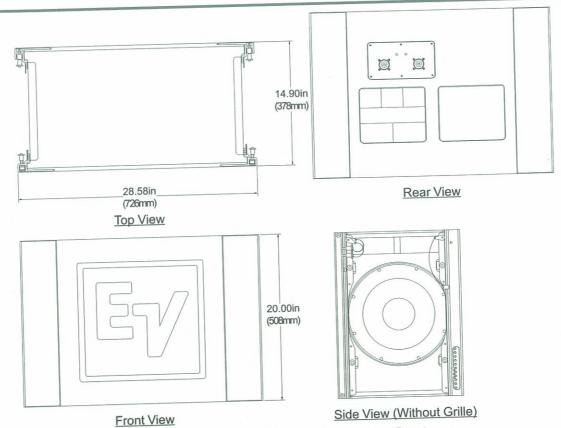


Figure 1c: XS212 Loudspeaker System

ELECTRO-VOICE® X-Line Very Compact™ Rigging Manual

66

0. Introduction

The X-Line Very Compact (XLVC) loudspeaker systems represent an important step in line-array technology for small- and medium-scale sound reinforcement. The individual loudspeaker drivers, acoustic lenses, acoustic waveguides, enclosures and rigging hardware were all designed specifically for the XLVC product line to not only achieve the highest acoustic output with the highest fidelity, but also to produce a precise wavefront from each element to achieve state-of-the-art line-array performance. A brief description of the product line is included below. The XLVC loudspeaker systems are shown in Figure 1 with key dimensions and features.

XLD281: Three-way, LF1/LF2/HF loudspeaker system with a 120°H x 10°V coverage pattern. The system includes two DVN2080 8-inch (203-mm) LF drivers and two ND2S-16 2-inch (51-mm) HF drivers. The XLD281 has a switchable crossover that allows either biamp or triamp operation. The XLD281 utilizes an enclosure that is trapezoidal in the vertical plane (with an 10° total included angle) and has XLVC 10° rigging tube and channel modules secured to the left and right enclosure sides.

XLE181: Two-way, LF/HF loudspeaker system with a 120°H x 10°V coverage pattern. The system includes one DVN2080 8-inch (203-mm) LF driver and two ND2S-16 2-inch (51-mm) HF drivers. The XLE181 has a switchable crossover that allows either biamp or passive operation. The XLE181 utilizes a narrower 10° trapezoidal enclosure than the XLD281 and has XLVC 10° rigging tube and channel modules secured to the left and right enclosure sides.

XS212: Dual Side-Firing Bass System with two DVX3120 12-inch (305-mm) woofers. The XS212 utilizes an enclosure that is rectangular in shape and has XLVC elongated 20° rigging tube and channel modules secured to the left and right enclosure sides.

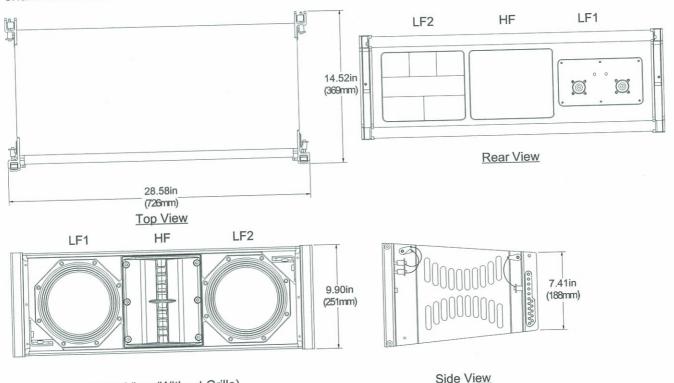


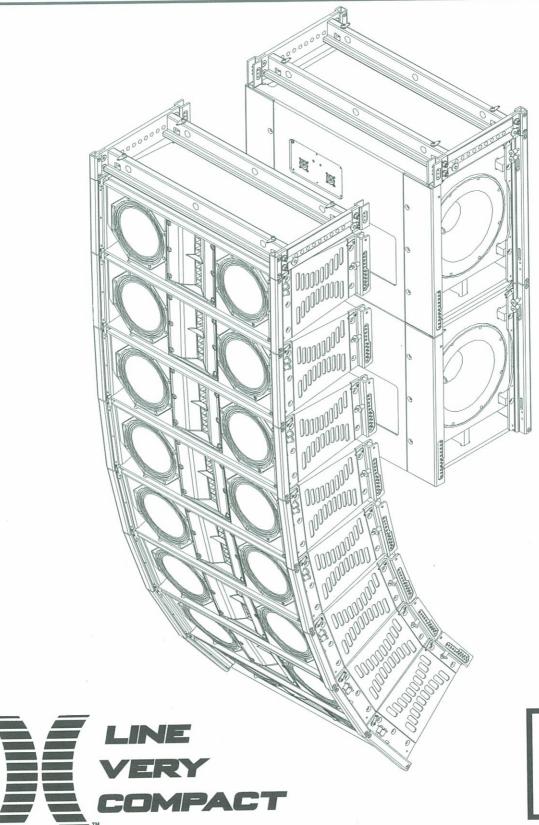
Figure 1a: XLD281 Loudspeaker System

ELECTRO-VOICE® X-Line Very Compact™ Rigging Manual



Front View (Without Grille)

X-Line Very Compact Rigging Manual









LINE ARRAY

RIGGING SYSTEM DESCRIPTION



Bharatha Kalakshetra Auditorium

Item Description

Qty

Type

Green Room Equipments

STUDIO PRO 3 PAIR OF ACTIVE SPEAKERS FOR GREEN ROOMS

3 SP3

XLR (F) TO XLR (M) SYMM. CABLES FOR ACTIVE SPEAKERS, 40 MTR

1 XLR CABLES

XLR (F) TO XLR (M) SYMM. CABLES FOR ACTIVE SPEAKERS, 20 MTR

2 XLR CABLES

Bharatha Kalakshetra Auditorium

Item Description

Qty

Туре

Back-line Microphones and Accessories

N/DYM® dynamic supercardioid lead vocal microphone	3	ND 767a
Handheld system includes: HTU2C-510 transmitter featuring the RE510 super cardioid Conden.	2	RE510
Probe-style true condenser cardioid instrument microphone	2	RE200
N/DYM® dynamic supercardioid instrument microphone	3	ND 468
N/DYM® dynamic cardioid variant bass drum microphone	2	ND 868
Boundary condenser microphone,Black	3	RE90B
Premium lapel microphone, cardioid.	3	RE 92L
Roadworthy active direct injection box	3	DN 100
Handheld system includes: HTU2D-767a transmitter featuring the N/D 767a supercardioid dyn	4	RE2 N7
Multi-pattern gooseneck microphone with mic switch and universal base, 18-inch gooseneck	3	PC 18"
MiniMic Omindirectional Low Profile Headworn microphone in light beige color with TA4F con	4	RE97 TX
Bodypack system includes: BPU-2 transmitter, and a RE-2 Receiver, no microphone in a hard st	4	RE2 BP
XLR (M) TO XLR (F) SYMM. SHIELDED CABLES, 6 METERS PACK OF 3 CABLES	18	MC18
MIC STANDS LONG BOOMS	12	BT4
MIC STANDS SHORT BOOMS	8	MB1
MIC STANDS BIG STUDIO BOOMS	2	SB100
6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	4	SPARE CABLES



Bharatha Kalakshetra Auditorium

Item Description Qty Type

Intercom		
TELEX WIRED INTERCOM POWER SUPPLY	1	PS15
INTERCOM SPLITTER	1	TW5W
TELEX WIRED INTERCOM BELTPACKS	5	BP319
INTERCOM HEADSETS	5	PH1
WALLMOUNT BOXES FOR INTERCOM CONNECTION, XLR FITTED	10	XLR BOX
XLR TO XLR SHIELDED CABLE FOR TELEX BELTPACKS, 5MTR	10	XLR CABLES
1 SPARE INTERCOM HEADSET	1	PH1
SHIELDED CABLE FOR INTERCOM CONNEXION 200MTR + XLR PLUGS	1	CABLE



Item Description

Qty

Type

Mixing Gear

28 Mono-, 4 Stereo-Line-Inputs Mixing console	1	Midas Venice 320
4 CHANNEL DIGITAL REVERB PRO	1	REV 2496
LITTLITE GOOSENECK TYPE	2	12V Desk Lamp
Four channel / dual stereo compressor / limiter	2	DN 504
Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1	DN 370 EQ
ONE 6.35 STEREO JACK (M) TO 2 XLR (M/F), 6MTR	8	INSERT CABLES
FLY CASE WITH CASTOR WHEELS AND HANDLES	1	EASIBOX 15U REF 31-E415-F
LINE FILTER	1	POWERBRITE PB11
CD PLAYER, STEREO, RACKMOUNT TYPE WITH AUTOCUE	1	CD01U PRO
DOUBLE CASSETTE PLAYER AND RECORDER, RACKMOUNT TYPE	1	TASCAM 322
RCA (M) TO 6.35 JACK ASYM. CABLES FOR CD CONNECTION, 6 MTRS	2	XLR CABLES
6.35 JACK (M) TO XLR ASYM. CABLES FOR SOURCE CONNECTION, 6 MTRS	2	XLR CABLES
RCA (F) TO 6.35 JACK (M) ADAPTERS	4	NEUTRIK ADAPTERS
XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	4	SPARE CABLES
6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	2	SPARE CABLES
XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	10	HF MICS CABLES
HEADPHONES	2	CH700



Item Description Qty Type

Monitors

FLY CASE	1	EASIBOX 15U REF 31- E415-F
LINE FILTER	1	POWERBRITE PB11
GRAPHIC EQUALIZER	1	DN 370 EQ
FEEDBACK SUPPRESSOR	2	D3500 EQ
350+150 WRMS POWERED MONITORS	4	SXA360
PASSIVE MONITORS	4	FRI28LPM
2 x 450 WRMS AMPLIFIER	1	S 900
32 IN , LENGHT= according to the placement of monitor console, splice at one end, harting at other end	1	MON SNAKE
NL4 SPEAKON CABLES	2	SPEAKON MAIN CABLES
NL4 SPEAKON CABLES	2	SPEAKON LINK CABLES
XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	4	XLR CABLES
XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR ACTIVE MONITORS INPUT WIRING, 18 METER	2	XLR CABLES



Item Description Qty Type

	Front Fills		
150W rms, 100° x 90° CABINETS		6	EV ID 4.2
2 x 600 WRMS AMPLIFIER		1	S1200
NL4 SPEAKON TO BARE END CABLE		2	SPEAKON CABLES
BARE ENDS LINK CABLES FOR SPEAKERS, 4 MTR		4	LINK CABLES
FEEDBACK SUPPRESSOR		1	D3500 EQ



Item Description

Qty

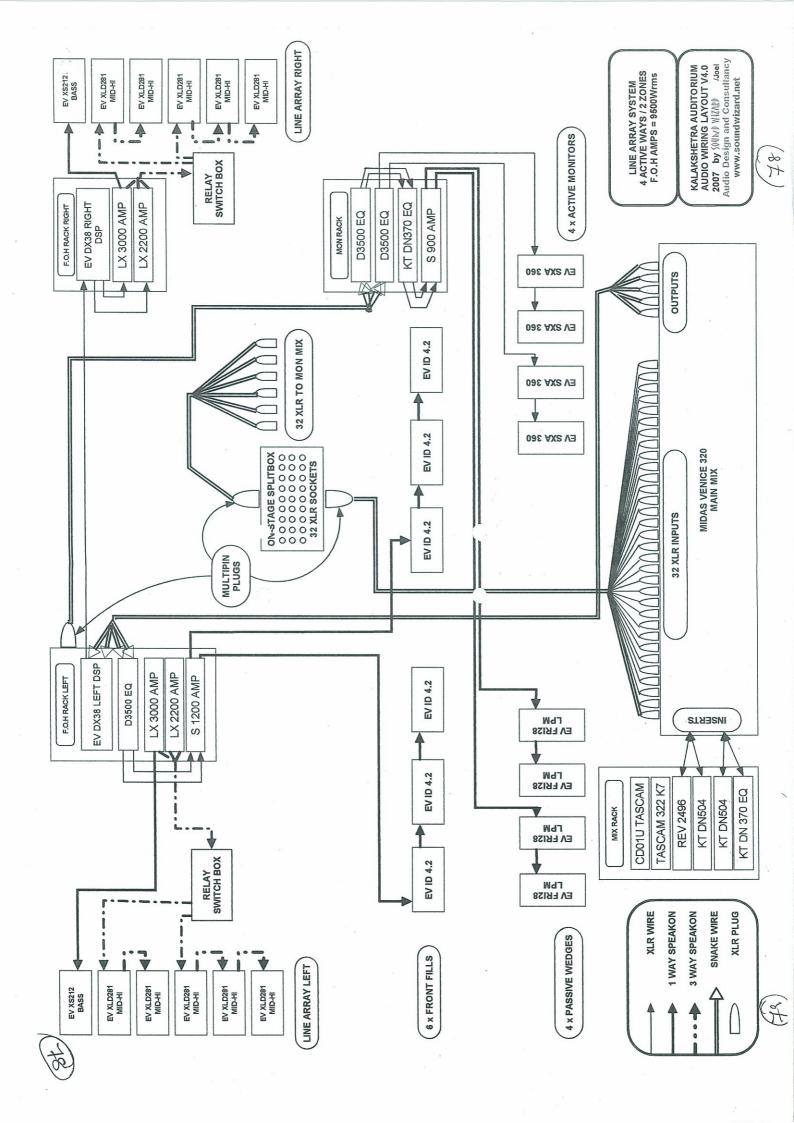
Туре

FOH Sound System

LINE ARRAY CABINET	10	EV XLD 281
LINE ARRAY BASS CABINET	2	EV XS 212
GRIDS	2	EV XLD Grid
DIGITAL PROCESSORS	2	EV DX38
2 x 1100 WRMS AMPLIFIERS	2	LX 2200
2 x 1500 WRMS AMPLIFIERS	2	LX 3000
RACKS	2	EASIBOX 15U REF 31-E415- F
LINE FILTER	1	POWERBRITE PB11
1 IN / 2 OUTS SWITCHING BOX FOR LINE ARRAY 3 WAY SPEAKERS	2	RELAY SWITCHBOX
1 REMOTE CONTROL FOR THE RELAY SWITCHBOX	1	REMOTE CONTROL
70MTR / 32 IN Main Input Snake	1	MAIN INPUT SNAKE
70MTR / 8 OUT Main Output Snake	1	MAIN OUTPUT SNAKE
30MTR XLR LINK Cables	2	XLR CABLES
8MTR / 4 OUT Mono Rack Snake Cable	1	MONITOR RACK SNAKE
2 HARTING SOCKETS AND 32 XLR EQUIPPED On Stage Split Box	1	ON-STAGE SPLITBOX
NL8 TO NL4 SPEAKON CABLES, FOR BASS CABINETS	2	SPEAKON MAIN CABLES
NL8 Y TYPE SPEAKON CABLES, ONE END SPLITTED 3xNL4 FITTED FOR LO/MID/HI SEPARATION, 1MTR	2	SPEAKON MAIN CABLES
NL8 SPEAKON CABLES, 1 METER	6	SPEAKON LINK CABLES
NL8 TO NL8 SPEAKON FROM RELAY SWITCH BOX TOWARDS XLD281 CABINETS	4	SPEAKON LINK CABLES
XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	12	XLR CABLES

/ics

AD





September, 13th 2007

Dear Mrs Leela Samson,

Following our visit to your auditorium, please find enclosed the final Equipment List and the final Wiring Layout, updated with the new 6 smaller front-fills speakers, one more pair of speaker for the 3rd green room, and some modifications on the wiring (mainly about audio snakes, intercoms, and green room sections).

Do not hesitate to contact me for any further information you may need,

Best regards

Joel.



4. In build Digital Signal Processing (DSP) that aligns all components inside the box (called Gunness Focusing) and allows installers to tune each box individually for a maximum optimization with the venue.

5. Computer communication with each box that allows easy setting changes, but also real time monitoring of the state and load of each component/box.

6. Very easy rigging if any need arises to access any of the boxes, all with clips, no special tools are needed.

The Venue (D-Show)

Elexibility

- VENUE offers similar mixing capacity at a fraction of the price of other similar consoles.
- A loaded VENUE system can mix a total of 128 inputs, including 96 mic pres.
- VENUE does not include the matrixes in its primary bus count. We have 8 mono matrixes and 8 stereo matrixes in addition to the 24 aux/group buses. At the moment the matrixes/PQ feature a fairly fixed routing scheme, but we're working to expand this area in a future release, at which point we'll be on par for nearly all applications.
- Nearly every facet of VENUE can be scaled to suit a customer's budget, application or physical space.
- Using MIDI, one can control external MIDI driven devices or vice-versa.

Reliability

- All VENUE components feature dual redundant PSUs w/ on screen failure notification.
- In most other Consoles, the core DSP boxes (which do all of the mixing) and the I/O boxes (which typically feed the PA) each have single PSUs.
- Crashes are typically caused by the applications layered on top of the OS, not the
 OS itself. Digidesign has 20 years developing and testing software, and D-Show
 software in particular is designed with comprehensive error handling
 mechanisms which make it extremely robust and able to recover gracefully from
 any failures which might occur. We have no regrets about using Win XPe, and have
 had no problems with it in.

Sound Quality

Digidesign have been doing digital mixing for over 20 years, and are the pioneers of large scale digital mixing systems in the recording world. It's no small task to create a powerful, flexible mixing engine combined with great sounding channel strip processing and a complete plug-in architecture.

Sincerel

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06.04.09

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DEEPU NAIR

SOUND ENGINEER OLD # 2A, NEW # 19, C.G.E. COMPLEX, THIRUMURUGAN STREET KALAKSHETRA COLONY, BESANT NAGAR **CHENNAI 600090**

deepunair@me.com

http://www.themusicmint.com

To,

The Director Kalakshetra Foundation Thiruvanmiyur Chennai 600041

Madam,

I recommend Kalakshetra Foundation to choose the Option 2, EAW Sound system along with DigidesIgn | VENUE (D-Show) system for the Koothambalam, Bharata Kalakshetra Auditorium.

Main concerns when selecting EAW equipment are (by order of priority):

- 1. Transparent system, offering sound enhancement without the feeling of the sound being played through loudspeakers
- 2. Versatlle, handling all type of events from dance, theatre plays & fusion music
- 3. Easy to use, the "in house" engineers should quickly be able to operate the system with presets. Any modification in the settings and layout can be applied within a secure interface. After any event using a modified setup, the recall to the original state should be one button away.
- 4. Reasonably priced

EAW Leading Technology it this Category

In this 'line array' category, EAW has the following advantages compared to its competition (at an equivalent price range):

- 1. The EAW NTL720 is extremely compact versus dynamic range, there are 10 loudspeaker drivers hosted in each box that Is less than 10X24X15 inches big (5 boxes needed on each side) - the outcome is a very low profile look.
- 2. Four way design (with subwoofer) that minimizes intermodulation distortion
- 3. No compression drivers: much more natural sound

Apr. 06 2009 12:40PM P2

FAX NO.: 04862255076

FROM: PAUAN CYCLES TDPA

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Sincerely

eepu Nair

06.04.09

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DEEPU NAIR

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Apr. 06 2009 12:40PM P2

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APr. 06 2009 12:40PM P2

FAX NO. : 04862225076

FROM : PAUAN CYCLES TDPA



Digidesign quote March 2009

Srl No. Product

Option A - Mix Rack HD 64 (64 Track Recording)

Price in INR 3,869,145 INR

VENUE components

- · D-Show Profile Mix Rack system, which includes:
- o D-Show Profile console
- o Mix Rack (48 mic/line inputs, 16 analog line outputs)
- o D-Show® software
- o VENUEPack 3.0 plug-ins
- o Video monitor mounting bracket (monitor not included)
- o Trackball mounting bracket (trackball not included)
- o iLok USB Smart Key (preauthorized with all VENUEPack and factory-installed plug-ins)
- o All necessary cables and user guides
- · Additional DSP Mix Engine Card (for a total of three)
- VENUEPack Pro 3.0 plug-ins
- HDx Pro Tools|HD interface card (for up to 64 channels of Pro Tools recording and playback)

Pro Tools|HD components

- Pro Tools|HD 2 Accel** for PCI or PCIe (includes Pro Tools HD software and over 40 plug-ins)
- Two 12' DigiLink™ cables

2 Option B – Mix Rack System (18 Track Recording)

2,981,290 INR

Mix Rack System include the following VENUE components.

- o D-Show Profile console
- o Mix Rack (48 mic/line inputs, 16 analog line outputs)
- o with two DSP Mix Engnie Cards
- o D-Show® software
- o VENUEPack 3.0 plug-ins
- o Video monitor mounting bracket (monitor not included)
- o Trackball mounting bracket (trackball not included)
- o iLok USB Smart Key (preauthorized with all VENUEPack
- and factory-installed plug-ins)
- o All necessary cables and user guides
- o FWx Fire Wire Record and Playback -18 track recording

Terms:

- 1. VAT and Octroi will be extra as applicable
- 2. Payment terms: 100% payment along with order.
- 3. Delivery: 4 to 6 weeks of clean order
- 4. Validity: This offer is valid for 60 days from this date
- 5. This system does not include a MAC





	Date: 19.08.2008	Value
orium		Unit Price
Kalashetra fine arts auditorium		QTY
alashetra		ITEM DESCRIPT ION
K		ITEM Model No. DESCRIPT ION
,		TYPE
		SL#

-	INTERCOM PH1	PH1	INTERCOM HEADSETS	5	20,413.26	1,02,066.30
2	INTERCOM BP319	BP319	TELEX WIRED INTERCOM BELTPACK S	5	33,716.34	1,68,581 70
			•			
က	INTERCOM TWSW	TW5W	INTERCOM SPLITTER	1	19,495.98	19,495 98
4	INTERCOM PS15		TELEX WIRED INTERCOM POWER SUPPLY	-	51,607.08	51,607.08
5	INTERCOM PH1		1 SPARE INTERCOM HEADSET	-	20,413.26	20,413.26
			2464.5			

3,62,164.32 Total:

Note:
1. Taxes will be additional as applicable
2. Taxes will be additional as applicable.

Payment 100 % along with Confirmed PO
 All Speaker cables from the console to the speaker point to be done by customer Installation, signal cable, connectors

Digidesign quote March 2009



Price in INR 3,869,145 INR

Srl No. Product

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(sui-pu

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- Pro Tools|HD components
- $^{\circ}$ Pro Tools|HD 2 Accel** for PCI or PCIe (includes Pro Tools HD software and over 40

(sui-gu

• Two 12' DigiLink™ cables

2,981,290 INR

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- o Mix Rack (48 mic/line inputs, 16 analog line outputs)
- o with two DSP Mix Engnie Cards
- o D-Show® software
- o VENUEPack 3.0 plug-ins
- o Video monitor mounting bracket (monitor not included)
- o Trackball mounting bracket (trackball not included)
- o iLok USB Smart Key (preauthorized with all VENUEPack
- and factory-installed plug-ins)
- o All necessary cables and user guides
- o FWx Fire Wire Record and Playback -18 track recording

Terms:

- 1. VAT and Octroi will be extra as applicable
- 2. Payment terms: 100% payment along with order.
- 3. Delivery: 4 to 6 weeks of clean order.
- 4. Validity: This offer is valid for 60 days from this date
- 5. This system does not include a MAC.



BOSCE

	Date: 19.08.2008	Value
torium		Unit Price
Kalashetra fine arts auditorium		QTY
alashetra		DESCRIPT ION
X		Model No. DESCRIPT ION
		TYPE
		#TS

-	INTERCOM PH1	PH1	INTERCOM HEADSETS	5	20,413.26	1,02,066.30
				,		
2	INTERCOM BP319	BP319	TELEX WIRED INTERCOM BELTPACK S	Ŋ	33,716.34	1,68,581.70
3	INTERCOM TWSW	TW5W	INTERCOM SPLITTER	1	19,495.98	19,495 98
4	INTERCOM PS15		TELEX WIRED INTERCOM POWER SUPPLY	-	51,607.08	51,607.08
5	INTERCOM PH1		1 SPARE INTERCOM HEADSET	1	20,413.26	20,413.26
			Albert.			

3,62,164.32 Total:

Note:
1. Taxes will be additional as applicable

Payment 100 % along with Confirmed PO
 All Speaker cables from the console to the speaker point to be done by customer Installation, signal cable, connectors

Suplier Rivera

CD Player

DVD Player Surround Processor Surround Optional

Denon Denon Brand

- - Q

Model
DN-A7100
DN-V310

DTS/Dolby Compatible

Specifications 7.1 Decoder

4.

Brand Pioneer T Qty Model CMX-3000

Specifications
Double Deck Pro

Supplier MRH Digital

Green Room Speakers	Speaker Processor	Amplifiers	Wedges (H:26.9"/W:14.7"/D:14.9")	Side Monitors	Signal Processor		The state of the s
QSC	QSC	QSC	QSC	QSC	QSC	Brand	
4	_	_	4	4	_	Qty	
AD-S32T	DSP322ua	RMX5050HD	HPR122	AD-S282H	DSP30	Model	
30W/8Ω	EQ, Dynamics, Delays, Crossover	1800W/4Ω	500W	28/W006	EQ, Dynamics, Delays for Sub	Specifications	

(Q2)

Supplier Pro Musicals

Headphones	Green Room Amplifiers	Microphone Stands	Microphone Stands	Microphone Stands	Racks	Racks	Power Conditioner	FX Processor	Dynamic Processor	Feedback Processor		The State of the S
Sai	Sai	Sai	Sai	Sai	Sa	Sa	Sa	A	Pre	Sa	B	
Samson	Samson	Samson	Samson	Samson	Samson	Samson	Samson	Alesis	Presonus	Samson	Brand	
2	2	2	∞	12	N	_	4	2	-	ယ	Qty	
CH 700	Servo 120a	SB100	MB1	BT4	SRK12	SRK16	Powerbrite Pro10	Midiverb 4	ACP88	D-3500	Model	
Open Headphones	50W/8 Ω	Studio Boom Stands	Mini Boom Stands	Telescopic Boom Stanc	12 Rack Spaces	16 Rack Spaces	Power Stabilizer	Multi Effects Digital Proce	Compressor/Limiter/Ga	Feedback Suppressor FO D	Specifications	

ons , EQ, Dynamic ands tands Stands izer ces Processor ter/Gate

24 Track Hard Disk Recorder

Alesis

Digital Multitrack Recorder

Recorder Optional

ADAT HD24

Supplier Aditya Infotech

Mackie	Mackie	Mackie	Audix	Audix	Audix	Audix	Audix	Audix	Audix	Audix	Audix	EAW	EAW	EAW	EAW	EAW	EAW	Brand
_	ω	_	4	4	4	4	4	4	4	4	ω	_	4	2	2	2	10	Qty
QUADEQ	4 Pin Desk Lamp	Onyx3280	MC10L	WS10S	APS-911	W3-BP	ADX10	HT5-BG	W3-BP	W3-OM5	Micropod 18HC	CAZ1400	VR61	KF750	FB172	NTS22	NTL720	Model
Digital Graphic EQ	12 Volts	32 Channels/8Aux/Mute Groups	Battery/Phantom power adapter	Metal Clip	Windscreen	To use HT5 or ADX10 wired	Miniaturized lavalier condenser	Slim-line headset vocal condenser	RAD-360 Bodypack System with transmitter	RAD-360 System with OM5 dynamic transmitter	M1250 with Flexible gooseneck	450W/4Ω	150W/8Ω	For Subs	For Line Array	1000W	500W/500W/500W	Specifications

Specifications 300W/8 Ω 450W/4 Ω

Surround Speakers down + balcony

Brand EAW EAW

Qty 20

Model VR61 CAZ1400

Optional

Amplifiers



Fax: (22) 23 86 23 42

Mobile 1: (0) 93 225 32 349

Email 2: riverainternational@gmail.com

Email 1: ppatils@gmail.com

Web: www.riverainternational.com

Mr. Apollo

Company: Pro Musicals

: # 25 - Casa Major Road / Egmore /

600 008 Chennai, Tamil Nadu

Line 1: (44) 28 19 36 07

Line 2: (44) 28 19 34 45

Fax: (44) 28 19 38 23

M1 name: Apollo

Mobile 1: (0) 98 843 04 426

Email 1: apollo_promusic@vsnl.net

Web: www.promusicals.com

option 3

Suplier Rivera				
	R	Š		: ij:
CD Player	Pioneer	٦ ٢	CMX-3000	Specifications Double Deck Pro
Optional				
Surround	Brand	Qty	Model	Specifications
Surround Processor	Denon	_	DN-A7100	7.1 Decoder
DVD Player	Denon	_	DN-V310	DTS/Dolby Compatible



Supplier Aditya Infotech

	Brand	Qty	Model	Specifications
Gooseneck	Audix	က	Micropod 18HC	M1250 with Flexible gooseneck
HandHeld Transmitter with Mic	Audix	4	W3-OM5	RAD-360 System with OM5 dynamic transmitter
BodyPack System	Audix	4	W3-BP	RAD-360 Bodypack System with transmitter
MiniMic Headworn	Audix	4	HT5-BG	Slim-line headset vocal condenser
Lavalier	Audix	4	ADX10	Miniaturized lavalier condenser
BodyPack System (accessory)	Audix	4	W3-BP	To use HT5 or ADX10 wired
Lavalier Accessories	Audix	4	APS-911	Windscreen
Lavalier Accessories	Audix	4	WS10S	Metal Clip
Lavalier Accessories	Audix	4	MC10L	Battery/Phantom power adapter
Mixing Console	Mackie	_	Onyx3280	32 Channels/8Aux/Mute Groups
Lamp	Mackie	က	4 Pin Desk Lamp	12 Volts
Digital EQ for Main PA	Mackie	_	QUAD EQ	Digital Graphic EQ





Supplier Pro Musicals

	Brand	Otty	Model	Specifications
Feedback Processor	Samson	က	D-3500	Feedback Suppressor, EQ, Dynamic
Dynamic Processor	Presonus	~	ACP88	Compressor/Limiter/Gate
FX Processor	Alesis	2	Midiverb 4	Multi Effects Digital Processor
Power Conditioner	Samson	4	Powerbrite Pro10	Power Stabilizer
Racks	Samson	~	SRK21	21 Rack Spaces
Racks	Samson	~	SRK16	16 Rack Spaces
Racks	Samson	7	SRK12	12 Rack Spaces
Microphone Stands	Samson	12	BT4	Telescopic Boom Stands
Microphone Stands	Samson	œ	MB1	Mini Boom Stands
Microphone Stands	Samson	7	SB100	Studio Boom Stands
Green Room Amplifiers	Samson	7	Servo 120a	50W/8Ω
Headphones	Samson	2	CH 700	Open Headphones

Optional Recorder	Alesis 1 A	ADAT HD24	24 Track Hard Disk Recorder
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Recorder



option 3

SUPPLIER MRH DIGITAL

Specifications	500W/500W/170W/16D	2200W/4Ω	360W/8Ω - 600W/4Ω	1100W/8Ω - 1800W/4Ω	2400W/4\Omega Bridged	EQ, Dynamics, Delays, Crossover	To fly Line Array	To fly Subs behind Line Array	480W/8Ω	1400W/4Ω	₩006	500W	1800W/4₽	EQ, Dynamics, Delays, Crossover	30W/8Ω	
Model	WL3082	WL212-sw	RMX1850	RMX5050	RMX2450	SC28	AF3082-S	EB3082	AD-S82H	RMX4050HD	AD-S282H	HPR122	RMX5050HD	DSP322ua	AD-S32T	
Qty	10	2	2	4	2	-	2	7	4	~	4	4	_	~	4	
Brand	QSC	OSC	QSC	asc	asc	asc	asc	asc	asc	QSC	QSC	QSC	asc	asc	asc	
	Line Array (H:45"/1.14m W:20/0.51m)	Subwoofer (W:20"/0.50m)	Amplifiers	Amplifiers	Amplifiers	Signal Processor	Grid	Extension Bar	Front Fill Speaker	Amplifiers	Side Monitors	Wedges (H:26.9"/W:14.7"/D:14.9")	Amplifiers	Speaker Processor	Green Room Speakers	

Optional				
Sur	Brand	Qty	Model	Specifications
Front Fill Speaker	QSC	20	AD-S82H	480W/8Ω
Amplifiers	QSC	ς.	RMX2450	750W/4Ω



option3

	Model	0005-VIAIS
	Qty	-
	Brand	
Suplier Rivera		riayei

CD Player	Brand	Qty 1	Model CMX-3000	Specifications Double Deck Pro
Optional Surround Surround Processor DVD Player	Brand Denon Denon	Ott	Model DN-A7100 DN-V310	Specifications 7.1 Decoder DTS/Dolby Compatible



Supplier Aditya Infotech

	Brand	Qty	Model	Specifications
Gooseneck	Audix	က	Micropod 18HC	M1250 with Flexible gooseneck 🔗
HandHeld Transmitter with Mic	Audix	4	W3-OM5	RAD-360 System with OM5 dynamic transmitter
BodyPack System	Audix	4	W3-BP	RAD-360 Bodypack System with transmitter
MiniMic Headworn	Audix	4	HT5-BG	Slim-line headset vocal condenser
Lavalier	Audix	4	ADX10	Miniaturized lavalier condenser
BodyPack System (accessory)	Audix	4	W3-BP	To use HT5 or ADX10 wired
Lavalier Accessories	Audix	4	APS-911	Windscreen
Lavalier Accessories	Audix	4	WS10S	Metal Clip
Lavalier Accessories	Audix	4	MC10L	Battery/Phantom power adapter
Mixing Console	Mackie	₹.	Onyx3280	32 Channels/8Aux/Mute Groups
Lamp	Mackie	3	4 Pin Desk Lamp	12 Volts
Digital EQ for Main PA	Mackie	-	QUAD EQ	Digital Graphic EQ





Feedback Suppressor, EQ, Dynamic

Specifications

Compressor/Limiter/Gate

Multi Effects Digital Processor

Power Stabilizer 21 Rack Spaces 16 Rack Spaces 12 Rack Spaces

Telescopic Boom Stands

Mini Boom Stands Studio Boom Stands

50W/8Ω

Open Headphones

Supplier Pro Musicals

Model	D-3500	ACP88	Midiverb 4	Powerbrite Pro10	SRK21	SRK16	SRK12	BT4	MB1	SB100	Servo 120a	CH 700
Qty	8	~	2	4	~	_	2	12	œ	2	2	2
Brand	Samson	Presonus	Alesis	Samson	Samson	Samson	Samson	Samson	Samson	Samson	Samson	Samson
	Feedback Processor	Dynamic Processor	FX Processor	Power Conditioner	Racks	Racks	Racks	Microphone Stands	Microphone Stands	Microphone Stands	Green Room Amplifiers	Headphones

	24 Track Hard Disk Recorder
	ADAT HD24
	_
	Alesis
Optional Recorder	

Recorder



SUPPLIER MRH DIGITAL

Specifications	500W/500W/170W/16Ω	2200W/4Ω	360W/8Ω - 600W/4Ω	1100W/8\\\\0.1800W/4\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2400W/4Ω Bridged	EQ, Dynamics, Delays, Crossover	To fly Line Array	To fly Subs behind Line Array	480W/8Ω	1400W/4Ω	©8/M006	500W	1800W/4Ω	EQ, Dynamics, Delays, Crossover	30W/8Ω
Model	WL3082	WL212-sw	RMX1850	RMX5050	RMX2450	SC28	AF3082-S	EB3082	AD-S82H	RMX4050HD	AD-S282H	HPR122	RMX5050HD	DSP322ua	AD-S32T
Qty	10	7	7	4	7	-	2	7	4	_	4	4	-	-	4
Brand	asc	OSC	QSC	asc	asc	asc	asc	QSC	asc	QSC	asc	asc	OSC	QSC	asc
	Line Array (H:45"/1.14m W:20/0.51m)	Subwoofer (W:20"/0.50m)	Amplifiers	Amplifiers	Amplifiers	Signal Processor	Grid	Extension Bar	Front Fill Speaker	Amplifiers	Side Monitors	Wedges (H:26.9"/W:14.7"/D:14.9")	Amplifiers	Speaker Processor	Green Room Speakers

	Srand	Qty	Model	Specifications
Deaker	OSC	20	AD-S82H	78/W/8/



Supplier MRH Digital

Green Room Speakers	Speaker Processor	Amplifiers	Wedges (H:26.9"/W:14.7"/D:14.9")	Side Monitors	Signal Processor		一年の一日の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本
QSC	QSC	QSC	QSC	QSC	QSC	Brand	
4	>	_	4	4	_	Qty	
AD-S32T	DSP322ua	RMX5050HD	HPR122	AD-S282H	DSP30	Model	
30W/8Ω	EQ, Dynamics, Delays, Crossover	1800W/4Ω	500W	008/W006	EQ, Dynamics, Delays for Sub	Specifications	

Suplier Rivera

CD Player

Surround Processor Surround Optional

Brand Denon Denon

- - Q

Model
DN-A7100
DN-V310

DVD Player

4

Brand Pioneer oty

Model CMX-3000

Specifications
Double Deck Pro

DTS/Dolby Compatible Specifications 7.1 Decoder

Supplier Pro Musicals

Headphones	Green Room Amplifiers	Microphone Stands	Microphone Stands	Microphone Stands	Racks	Racks	Power Conditioner	FX Processor	Dynamic Processor	Feedback Processor	
Samson	Samson	Samson	Samson	Samson	Samson	Samson	Samson	Alesis	Presonus	Samson	Brand
2	2	2	∞	12	2	_	4	2	_	ယ	Qty
CH 700	Servo 120a	SB100	MB1	BT4	SRK12	SRK16	Powerbrite Pro10	Midiverb 4	ACP88	D-3500	Model
Open Headph	50W/8 Ω	Studio Boom S	Mini Boom Sta	Telescopic Boom	12 Rack Spa	16 Rack Spa	Power Stabil	Multi Effects Digital	Compressor/Limi	Feedback Suppressor,	Specification

itions or, EQ, Dynamic Stands Stands paces paces oilizer hones m Stands al Processor niter/Gate

Optional

Recorder
Digital Multitrack Recorder

Alesis

ADAT HD24

24 Track Hard Disk Recorder

Supplier Aditya Infotech

Digital Graphic EQ	QUAD EQ	_	Mackie	Digital EQ for Main PA & Surrounds
12 Volts	4 Pin Desk Lamp	ω	Mackie	Lamp
32 Channels/8Aux/Mute G	Onyx3280	_	Mackie	Mixing Console
Battery/Phantom power a	MC10L	4	Audix	Lavalier Accessories
Metal Clip	WS10S	4	Audix	Lavalier Accessories
Windscreen	APS-911	4	Audix	Lavalier Accessories
To use HT5 or ADX10 w	W3-BP	4	Audix	BodyPack System (accessory)
Miniaturized lavalier cond	ADX10	4	Audix	Lavalier
Slim-line headset vocal col	HT5-BG	4	Audix	MiniMic Headworn
RAD-360 Bodypack System with	W3-BP	4	Audix	BodyPack System
RAD-360 System with OM5 dynar	W3-OM5	4	Audix	HandHeld Transmitter with Mic
M1250 with Flexible goos	Micropod 18HC	ω	Audix	Gooseneck
450W/4Ω	CAZ1400	_	EAW	Amplifiers
150W/8 Ω	VR61	4	EAW	Front Fill Speaker
For Subs	KF750	2	EAW	Flying Cables
For Line Array	FB172	2	EAW	Grid
1000W	NTS22	2	EAW	Subwoofer (W:25.9"/0.65m)
W005/W008/W005	NTL720	10	EAW	Line Array (H:47/1.20m W:24"/0.60m)
Specifications	Model	Qty	Brand	

	To use HT5 or ADX10 wired	Miniaturized lavalier condenser	lim-line headset vocal condenser	360 Bodypack System with transmitter	0 System with OM5 dynamic transmitter	M1250 with Flexible gooseneck	450W/4Ω	150W/8Ω	For Subs	For Line Array	1000W	500W/500W/500W
--	---------------------------	---------------------------------	----------------------------------	--------------------------------------	---------------------------------------	-------------------------------	---------	---------	----------	----------------	-------	----------------

r adapter e Groups

Optional

Amplifiers Speakers down + balcony Surround

Brand EAW EAW Qty 20

Model VR61 CAZ1400

Specifications 300W/8Ω 450W/4Ω

Fax: (22) 23 86 23 42

Mobile 1: (0) 93 225 32 349

Email 2: riverainternational@gmail.com

Email 1: ppatils@gmail.com

Web: www.riverainternational.com

Mr. Apollo

Company: Pro Musicals

: # 25 - Casa Major Road / Egmore /

600 008 Chennai, Tamil Nadu

Line 1: (44) 28 19 36 07

Line 2: (44) 28 19 34 45

Fax: (44) 28 19 38 23

M1 name: Apollo

Mobile 1: (0) 98 843 04 426

Email 1: apollo_promusic@vsnl.net

Web: www.promusicals.com

Contacts:

Dhruv Datta

Company: Aditya Infotech Ltd

: #12-13 & 15-A - Janki Centre / 29 - Shah Industrial Estate /

Off. Veera desai road / Andheri (west) /

400 053 Mumbai

Line 1: (22) 26 74 15 95

Line 2: (22) 26 74 15 96

Line 3: (22) 26 74 15 98

Fax: (22) 26 74 15 00

M1 name: Dhruv Datta

Mobile 1: (0) 93 218 94 353

M2 name: Amilpurti

Mobile 2: (0) 93 138 91 845

Email 1: dhruv_datta@adityagroup.com

Email 2: sathishkumar_mogili@adityagroup.com

S. Gopinadhan

Company: MRH Digital System Pvt. Ltd

: Skanda Krupa / # 191- 1st Cross / 38th Main /

BOOHBCS / BTM Layout II Stage /

560 068 Bengalooru, Karnataka

Line 1: (80) 41 20 05 71

Line 2: (80) 41 20 05 72

Line 3: (80) 41 20 05 73

Fax: (80) 41 20 05 74

M1 name: Gopinadhan

Mobile 1: (0) 93 437 71 035

Prasad Patil

Company: Rivera International

: # 7-397A-1B / Mangaldas House / Naaz Cinema Compound /

Lamington Road /

400 004 Mumbai, Maharashtra

Line 1: (22) 23 80 05 55



Digital mixing board (from DIGIDESIGN), 2 options (A & B) are presented. It is an
expensive item but very versatile in terms of stage production and live recording. If
this item is selected, there will be no need of the item 'mixer + external processing'.
So the indicated price shows the actual increase in price, not the cost of this item.

We hope that this report will be clear enough, it is a complicated situation with multiple choices, we tried our best to present in the simplest way. Deepu would be very helpful to you in order to clarify any question, he would understand the meaning of each listed item.

Enclosed we have:

<u>List option 1:</u> the original **EV** quote as per today's rough rates.

List option 2: EAW (better quality) option, as per today's rates + 4 pages break down

List option 3: QSC (cheaper) option as per today's rate + 4 pages break down

Each list is accompanied by a 4 pages break down (by supplier) without the rates in order to request each supplier a proper official quote. You would have first to choose between list 2 or 3. The suppliers contacts are listed below.

Bosh previous quote for the **TELEX** (communication) equipment as you received it already. If you wish, we can explore this item furthermore, but the budget might be equivalent.

Digidesign quote for option A & B digital mixers.

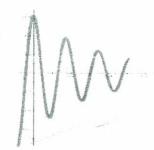
At your service for any further details,

Warm Regards,

Didier Weiss







1

Auroville, Mar 16th, 20009

Dear Leela Samson.

Kindly find enclosed the summary of our research as per the up to date audio equipment purchase for your main auditorium.

As you already know from our communication so far, the initial list stays technically very true, as per using line array technology associated with DSP. The original selection based on 2005 has in 2009 evolved with many other brands being either better in terms of quality/flexibility or cheaper for the same quality level.

So, amongst the few supplier giving proper technical support in India, and amongst all the equipment we have tested so far, 2 lists (options 2 & 3) came out in a very coherent way.

Main system:

From the option 1 (original EV) – amounting about 80 lakhs as per today's rate.

We selected **option 2** based on EAW components. It is a very well know brand from USA, that provides in this case the latest improvement in technology, the line array being released on the market a few months ago only. The budget would be around 70 lakhs, for a totally outstanding result.

We also selected **option 3** based on QSC components. It is also a USA brand, that is known for very good quality/price and gets a very good support in India. The final quality will be excellent in any case, comparable to the original EV selection at a much cheaper price.

Optional equipments:

For each of the option 2 & 3 we gave a list of additional optional equipments:

- Surround implementation in the hall, for Dolby/DTS movie implementation in your auditorium.
- Digital multitrack recording device, in order to be able to work editing and mixing in a studio at a later phase. Note that this option is not needed if you go for the Digidesign mixing board.
- Communication system, that is intercom between several places. We kept the original
 quote and list from Telex. There might be other options by now if you are interested,
 but that will require more time to study. The budget could be be reserved based on
 these prices.

SOUND WIZARD - ACOUSTICAL DESIGN AND AV SYSTEMS CONSULTANCY Shakti, Auroville - 605 101, Tamil Nadu, India / Tel: 0413 262 26 59 Fax: 262 34 10

Email: info@soundwizard.net Web site: www.soundwizard.net TNGST: 4720858/95-96/ dt 1-4-93 CST: 399042/ dt 23-4-93



Contacts:

Dhruv Datta

Company: Aditya Infotech Ltd

: #12-13 & 15-A - Janki Centre / 29 - Shah Industrial Estate /

Off. Veera desai road / Andheri (west) /

400 053 Mumbai

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Line 1: (22) 23 80 05 55



Digital mixing board (from DIGIDESIGN), 2 options (A & B) are presented. It is an expensive item but very versatile in terms of stage production and live recording. If this item is selected, there will be no need of the item 'mixer + external processing'. So the indicated price shows the actual increase in price, not the cost of this item.

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Enclosed we have:

List option 1: the original EV quote as per today's rough rates.

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List option 3: QSC (cheaper) option as per today's rate + 4 pages break down

Each list is accompanied by a 4 pages break down (by supplier) without the rates in order to request each supplier a proper official quote. You would have first to choose between list 2 or 3. The suppliers contacts are listed below.

Bosh previous quote for the TELEX (communication) equipment as you received it already. If you wish, we can explore this item furthermore, but the budget might be equivalent.

Digidesign quote for option A & B digital mixers.

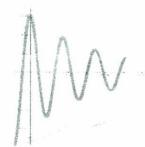
At your service for any further details,

Warm Regards,

Didier Weiss







1

Auroville, Mar 16th, 20009

Dear Leela Samson,

Kindly find enclosed the summary of our research as per the up to date audio equipment purchase for your main auditorium.

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Main system:

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We also selected **option 3** based on QSC components. It is also a USA brand, that is known for very good quality/price and gets a very good support in India. The final quality will be excellent in any case, comparable to the original EV selection at a much cheaper price.

Optional equipments:

For each of the option 2 & 3 we gave a list of additional optional equipments:

- Surround implementation in the hall, for Dolby/DTS movie implementation in your auditorium.
- Digital multitrack recording device, in order to be able to work editing and mixing in a studio at a later phase. Note that this option is not needed if you go for the Digidesign mixing board.
- Communication system, that is intercom between several places. We kept the original
 quote and list from Telex. There might be other options by now if you are interested,
 but that will require more time to study. The budget could be be reserved based on
 these prices.



19/19.

Suplier Rivera

Brand Qty Model

CD Player 1 CMX-3000

Pioneer 1 CMX-3000 Brar.d Qty Model Denon 1 DN-A7100	Brand Pioneer	CD Player
CMX	Qty 1	

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phons

Supplier Aditya Infotech

	Brand	Qty	Model	Specifications
Gooseneck	Audix	ယ	Micropod 18HC	M1250 with Flexible gooseneck
HandHeld Transmitter with Mic	Audix	4	W3-OM5	RAD-360 System with OM5 dynamic transmitter
BodyPack System	Audix	4	W3-BP	RAD-360 Bodypack System with transmitter
MiniMic Headworn	Audix	4	HT5-BG	Slim-line headset vocal condenser
Lavalier	Audix	4	ADX10	Miniaturized lavalier condenser
BodyPack System (accessory)	Audix	4	W3-BP	To use HT5 or ADX10 wired
Lavalier Accessories	Aucx	4	APS-911	Windscreen
Lavalier Accessories	Audix	4	WS10S	Metal Clip
Lavalier Accessories	Audix	4	MC10L	Battery/Phantom power adapter
Mixing Console	Mackie	_	Onyx3280	32 Channels/8Aux/Mute Groups
Lamp	Mackie	ယ	4 Pin Desk Lamp	12 Volts
Digital EQ for Main PA	Mackie	_	QUAD EQ	Digital Graphic EQ



Supplier Fro Winsicals				
	Brand	Qty	Model	Specifications
Feedback Processor	Samson	ယ	D-3500	Feedback Suppressor, EQ, Dynamic
Dynamic Processor	Presonus		ACP88	Compressor/Limiter/Gate
FX Processor	Alesis	2	Midiverb 4	Multi Effects Digital Processor
Power Conditioner	Samson	4	Powerbrite Pro10	Power Stabilizer
Racks	Samson	_	SRK21	21 Rack Spaces
Racks	Samson	_	SRK16	16 Rack Spaces
Racks	Samson	2	SRK12	12 Rack Spaces
Microphone Stands	Samson	12	BT4	Telescopic Boom Stands
Microphone Stands	Samson	8	MB1	Mini Boom Stands
Microphone Stands	Samson	2	SB100	Studio Boom Stands
Green Room Amplifiers	Samson	2	Servo 120a	50W/8 Ω
Headphones	Samson	2	CH 700	Open Headphones
Optional				
Recorder	Alocio	4	ADAT HD3/	24 Track Band Dick Bookdon



SUPPLIER MRH DIGITAL

Green Room Speakers	Speaker Processor	Amplifiers	Wedges (H:26.9"/W:14.7"/D:14.9")	Side Monitors	Amplifiers	Front Fill Speaker	Extension Bar	Grid	Signal Processor	Amplifiers	Amplifiers	Amplifiers	Subwoofer (W:20"/0.50m)	Line Array (H:45"/1.14m W:20/0.51m)		
QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	QSC	Brand	
4	_	_	4	4	_	4	2	2	_	2	4	2	2	10	Qty	
AD-S32T	DSP322ua	RMX5050HD	HPR122	AD-S282H	RMX4050HD	AD-S82H	EB3082	AF3082-S	SC28	RMX2450	RMX5050	RMX1850	WL212-sw	WL3082	Model	
30W/8 Ω	EQ, Dynamics, Delays, Crossover	1800W/4Ω	500W	900W/8Ω	1400W/4Ω	480W/8Ω	To fly Subs behind Line Array	To fly Line Array	EQ, Dynamics, Delays, Crossover	2400W/4Ω Bridged	1100W/8Ω - 1800W/4Ω	360W/8Ω - 600W/4Ω	2200W/4Ω	500W/500W/170W/16Ω	Specifications	

Surround	Brand	Qty	Model	Specification
Front Fill Speaker	QSC	20	AD-S82H	480W/8Ω
Amplifiers	QSC	51	RMX2450	750W/4 Ω



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Patrice	Brand	30	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
plingling	Dializ	2	AD-SR2H	A80M/80	Passive	80Hz-21KHz	120dB	Rs.18,000	Rs.360,000	Rs.757,125
Front FIII Speaker	200	٠,	TINO CHE	75041140				Rs.39,600	Rs.198,000	
Amplifiers	OSC	c	KMA2450	/ DUW/41/2				De 70 000	De 70 000	
Surround Processor	Denon	•	DN-A7100	7.1 Decoder	-	1	-	K3.10,000	13.7.0,000	
DVD Player	Denon	•	DN-V310	DTS/Dolby Compatible	1	1	1	Rs.45,000	Rs.45,000	
Recorder										000000
Recorder	Alesis	The state of	ADAT HD24	24 Track Hard Disk Recorder	24 Bit/96kHz	1		-	-	KS.140,000
Communication	999								Control of Control	De 200 404
Communication	Telex	- 700		Same as Previous list	-	-	•	-	-	KS.304,104
Digidesian - Digital Mixer	100							000 1000	000 7000	Dr. 9 6 67 476
Mix Back System	Digidesian		Mix Rack System	48 Mic/Line Input – 16 line outputs	18 Track Recording	-	-	KS.Z,981,290	KS.Z,301,230	KS.2,001,410
THE INCH OF STREET	ond branching 6	Indiana							-Rs.619,088	
Rems not needed on the main hat (mixer a external processing)	o exicitat pro	(Suisean				•	•	1	Included	
D-Show Profile	ı	-	I	-				•	Included	
DSP Mix Engine Cards	1	2	1	-	1				lactuded	
D-Show software	1	-	ı	-		1		•		
VoningBack 3.0 Dinging			ı	•	1	1	-	-	Incinded	
Velider ach 5:0 ringilis		•		-	1	1		1	Included	
Video monitor mounting prachets	ı				1	1		1	Included	
Trackball mounting ball	1		ı	l			•		Included	
llok USB Smart Key	1	-	1		ì				Included	
All necessary cables and user guides	ı	•	l	1	1	•		1		
Fwx Firewire Record and Playback		•	ı	-	1		-	:	Incinaea	





WL212-89 WL212-80-80 WL212-80 WL212-80-80 WL212-80 WL212-80-80 WL212-80 WL212-		Brand	Qty	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Compared Compared	Ine Array (H:45"/1.14m W:20/0.51m)	OSC	10	WL3082	500W/500W/170W/16Ω	Passive		128/128/133dB	Rs.155,500	Rs.1,555,000	Rs.3,118,500
Comparison	nhwoofer (W-20"/0 K0m)	Sc	,	WI 212.sw	2200W(AC	Passive	32Hz-35kHz	135dB	Rs.148,000	Rs.296,000	
Color Colo	The state of the s			DMV1860	3ROMINO RODMINO	For Highs	i		Rs.36.000	Rs.72,000	
Color Colo		2 6		COLUMN	4400111100 400011140	Sing 6 Pill a C			Re 81 200	Rs 324 800	
10 10 10 10 10 10 10 10	mpilliers	383	đ	KWASUSU	7.500000 - 10000001	SHOT BUILD			00000	000000	
1962 2 197002-2	mpliffers	OSC	7	RMX2450	2400W/4\to Bridged	For Subs	1	1	000,040	73.00,000	
Color Colo	anal Processor	OSC	7	SC28	EQ, Dynamics, Delays, Crossover	2 In/8 Out	•	•	Rs.71,000	KS./1,000	
Color Colo		080	2	AF3082-S	To fiv Line Array	1	-		Rs.59,000	Rs.118,000	
Control Cont	viention Bar	OSC	٥.	FB3082	To fly Subs behind Line Array			•	Rs.56,600	Rs.113,200	
Part Color Part	Melialdi Dai	96		AD CROU	CBINIOGY	Pacelve	80Hz-21KHz	120dB	Rs.18.000	Rs.72.000	
Part Class Part Part Class Part Class Part Class Part Class Part Class Part Part	ont rill speaker	260	•	AD-304H	400000			1	De 70 000	De 70 000	
Part Cap Model Specifications Part Cap Model Specifications Part Part Part Cap Model Specifications Part Part	npliffers	QSC	-	RMX4050HD	1400W/4Ω	1		1000000	Na.r.o,ooo	200101101	
Paracel Gly Model Specifications Details Frequency Range (3dB) Max SPL Rate		ı									
Brand Ghy Model Specifications Details Frequency Range (-3dB) Max SPL Rate	Stage Monitor					AND ADDRESS OF THE PARTY OF THE			SCOOL SECTION	200000000000000000000000000000000000000	- In 11 17 - 4
Care A A A A A A A A A		Brand	aty	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Kate	Price	lotal Incl. lax
Sanson S	4 Monitore	OSC	P	AD-S282H	C8/M006	Passive	80Hz-27kHz	125dB	Rs.37,800	Rs.151,200	Rs.576,197
Same	A TOTAL CLOSE DIRECTAL TITLES A DIVIN			UDD433	ROOM	Active	62Hz-18kHz	131dB	Rs.53,500	Rs.214,000	
Sampon Sampon Sampon Sampon Specifications Sampon Sampon Sampon Sampon Sampon Sampon Specifications Sampon Specifications Sampon Specifications Sampon Specifications Sampon Sampon	edges (H:Z6.9"/W:14./ /U:14.9)	200		DIVEGEOUR	19000	For Side Monitore	1	! :	Rs.81,200	Rs.81.200	
	npilmers	ngn g		CINCOUNT			D (1	Rs 21 925	Rs.65,775	
	edback Processor	Samson	2	Oner-O					2401.400		
Parameter Para	Describe for Monitore & Front Elli										
Definition Def	FIORESSIIIS IN HOMEOUS OF LIGHT HE	C			Carcification	Dotaile	Frequency Pange (-3dB)	May SPI	Rafe	Price	Total Incl. Tax
Brand Gry Model Specifications Details Frequency Range (3dB) Max SPL Rate	ı I	Brand	diy.	Model	specifications	Detalls 9. 'e O.'e	richaelley hallye (-oab)	1	De 180 908	Re 180 906	Rs 203.519
Parada	eaker Processor	GSC		DSP3ZZua	Ed, Dynamics, Delays, Crossover	1000		When had a find the sufficient	200,000	2001001001	
Brand Gty Model Max SPL Rate Rate Audix 4 Mucapod 18HC Max SPL Rate Rat											
Bland	Microphones						(GFC)	Mar. on	Date	Drice	Total Incl. Tav
Addity		Brand	aty	Model	Specifications	Details	rrequency kange (-5db)	MAX OF L	D. oo see	71100	De 822 828
Audix	oseneck	Audix	e.	Micropod 18HC	M1250 with Flexible gooseneck 18"	•	ŀ		RS.20,333	RS.61,069	N3.022,040
Audix 4 W3-BP (MAZS6 Bodges & System thit transmitter and transmitte	ndHeld Transmitter with Mic	Andix	4	W3-OM6	RAD-360 System with OM5 dynamic transmitter	•	•	ı	KS.40,460	RS.101,920	
Audity	dyPack System	Audix	4	W3-BP	RAD-360 Bodypack System with transmitter	1	l		Ks.30,000	KS.120,000	
Audix	iMic Headworn	Andix	4	HT5-BG	Slim-line headset vocal condenser	•	١		RS.20,125	KS.80,500	
Audix 4 Wissels To use HTS of AbXTO wired	/aller	Audix	4	ADX10	Miniaturized lavaller condenser				KS. 12,000	78.50, 140	della lla ma
Audix	dyPack System (accessory)	Audix	4.	W3-BP	Io use HIS or ADATU Wired	•	-	ı		De D	Single allocate
Samson Audix 4 World Battery/Phantom power adapter	raller Accessones	Audix	•	APO-911	MALLOHAM					Den	
Brand Qty Model Specifications Details Frequency Range (-3dB) Max SPL Rate	Accessories	Audix	4.	Worlds		•	ı			De O	
Brand Gty Model Specifications Details Frequency Range (-3dB) Max SPL Rate Amackle 1 Onyx3220 32 Channels Muxthite Groups — <td>/aller Accessories</td> <td>Audix</td> <td>4</td> <td>MCTUL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>No.</td> <td></td>	/aller Accessories	Audix	4	MCTUL						No.	
Brand Gty Model Specifications Details Frequency Range (-3dB) Max SPL Rate Mackle 1 4 Din Dack Lamp 32 Chamles RALMMItte Groups —	Mixer + External Processing										
Mackle 1	0	Brand	740	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Mackle 1 QUAD Eq Digital Graphic EQ 4 Channels	ding Concolo	Mackie	1	Onv. 3280	32 Channels/8Aux/Mute Groups	Analog		1	Rs.330,000	Rs.330,000	Rs.619,088
Age Mackle 1 Qu/ADEQ Digital Graphic EQ 4 Channels - Rs.77,000 Actests 2 ACP88 Compressor/Limiter(Gate 8 Channels - - Rs.27,000 Actests 2 Midiverb 4 Multi Effects Digital Processor - - Rs.21,400 Equipment Brand Qty Model Specifications - - Frequency Range (-3dB) Max SPL Rs.21,400 Pomorer 1 CMX-3000 Double Deck Pro - - Rs.45,000 Samson 1 SRK21 Newsbrite Prot Order 12 Rack Spaces - - Rs.1,600 Samson 2 SRK16 Rack Spaces - - - Rs.1,600 Samson 12 RR14 Telescopic Boom Stands - - - - Rs.1,600 Samson 2 SB100 Stands - - - - Rs.1,600 Samson 4 AD-SS27 SB100 -	and collection from	Mackle	•	4 Pin Desk Lamp	12 Volts		1		Rs.4,000	Rs.12,000	
Presonus 1 ACP88 Compressor/LimiterGate 8 Channels	Hal EO for Main DA	Mackle	, -	OLIAD FO	Dialtal Graphic FO	4 Channels	1	•	Rs.77,000	Rs.77,000	
Alesis 2 Midlverb 4 Mutil Effects Digital Processor Lails Frequency Range (-3dB) Max SPL Rate (-3dB) Ras.21,400 Equipment Brand Qty Model Specifications Lails Frequency Range (-3dB) Max SPL Rate (-300) Samson 4 Powerbrite Prof 0 Double Deck Pro Lails Ras.45,000 Samson 1 SRK21 1 Rack Spaces Ras.6,100 Samson 1 SRK12 1 Rack Spaces Ras.6,100 Samson 2 SRK12 1 Rack Spaces Ras.6,100 Samson 12 BT4 Telescopic Borm Stands Ras.1,800 Samson 2 SB100 Ras.1,800 Ras.1,800 Samson 3 SB100 Ras.1,800 Ras.1,800 Samson 4 AD-S22T SRV18 Ras.1,800 Samson 2 SRV00 Ras.1,800 Samson 2 SRV18 Ras.6,400 Samson 2	man La lor man 1 A	Draeonie		ACDRR	Compressor! Imiter(Gate	8 Channels	•	•	Rs.88,500	Rs.88.500	
Brand Qty Model Specifications Actails Frequency Range (-3dB) Max SPL Rate Ras45,000 Conditioner Samson Actails Samson Actails Samson Actails	Diocesor	Alesis		Midlyerh 4	Multi Effects Digital Processor	1	1	•	Rs.21,400	Rs.42,800	
External Equipment Brand Qty Model Specifications Lefails Frequency Range (-3dB) Max SPL Rate yer Power Parament 1 CMX-3000 Double Deck Pro		all	•								
System Owdel Specifications Latilis Frequency Range (-3dB) Rate System Ploneer 1 CMX-3000 Double Deck Pro	External Equipment					7					
yer Ploneer 1 CMX.3000 Double Deck Pro - - - Rs45,000 Conditioner Samson 4 Powerbrite Pro10 21 Rack States -		Brand	Qty	Model	Specifications	Lails	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Conditioner Samson 4 Powerbirtle Pro10 Power Stabilizer - - - Rs.10,600 Samson 1 SRK21 21 Rack Spaces -) Player	Pioneer	-	CMX-3000	Double Deck Pro	•			Rs.45,000	Rs.45,000	Rs.241,650
Samson 1 SRK21 21 Rack Spaces -	wer Conditioner	Samson	4	Powerbrite Pro10	Power Stabilizer		-		Rs.10,600	Rs.42,400	
Samson 1 SRK16 16 Rack Spaces - - Rs.6,500 hone Stands Samson 2 SRK12 Telescopic Boom Stands - - - Rs.1,600 hone Stands Samson 8 MB1 Telescopic Boom Stands - - - - Rs.1,600 hone Stands Samson 8 MB1 MIni Boom Stands - - - - Rs.1,600 hone Stands Samson 2 SB1 OWH81 - <th< td=""><td>cks</td><td>Samson</td><td>•</td><td>SRK21</td><td>. 21 Rack Spaces</td><td>•</td><td>-</td><td></td><td>Rs.7,100</td><td>Rs.7,100</td><td></td></th<>	cks	Samson	•	SRK21	. 21 Rack Spaces	•	-		Rs.7,100	Rs.7,100	
Samson 2 SRK12 12 Rack Spaces Rs.6,100 hone Stands Samson 12 BT4 Telescopic Boom Stands Rs.1,800 hone Stands Samson 8 MINI Boom Stands Rs.1,800 Room Spands Samson 2 SB100 Studio Boom Stands Rs.6,500 Room Spanders QSC 4 AD-532T 30W/80 Rs.6,400 Room Amplifiers Samson 2 Servo 120a 50W/80 Rs.1,800	icks	Samson	•	SRK16	16 Rack Spaces	•	1	•	Rs.6,500	Ks.6,500	
Samson 12 B14 Ielescopic Boom Stands	icks	Samson	5	SRK12	12 Rack Spaces		10		KS.6,100	RS.12,200	
Samson 8 MB1 Mini Boom Stands	crophone Stands	Samson	12	814	lelescopic Boom Stands	•	1	-	KS.1,600	RS.21,000	
Samson 2 SB100 Studio Boom Stands SB100 Studio Boom Stands	crophone Stands	Samson	.	MB1	Mini Boom Stands		•	•	KS.1,500	RS.12,000	
GSC 4 AD-5327 30W/8Ω Passive /3H2-20KH2 103GB HS.9,4U0 Samson 2 Servo 120a 50W/8Ω R.12,800	crophone Stands	Samson	2	SB100	Studio Boom Stands			1 20	KS.6,500	RS.13,000	
Samson 2 Servo 120a 50W/8Ω K5.12,900	een Room Speakers	080	4	AD-S32T	30W/8D	Passive	73Hz-20KHz	105dB	Rs.6,400	Rs,25,600	
	een Room Amplifiers	Samson	2	Servo 120a	50W/8D				RS.12.800	KS.25,600	





Price Total Incl. Tax
Rs.400,000
Approximate Cost

Rate

Frequency Range (-3dB) Max SPL

Details

Specifications

Model

Brand Qty

Microphone Cables Patching Cables Snake Speaker Wiring Total
Rs.5,691,782
The prices given above are approximate

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= Q5C line array

Same quality as EV at a much
bother price

(3)

Supplier MRH Digital

Green Room Speakers QSC			Nedges (H:26.9"/W:14.7"/D:14.9") QSC		sor	Brand C
4 AD-S32T	1 DSP322ua	1 RMX5050HD	4 HPR122	4 AD-S282H	1 DSP30	2ty Model
30W/8Ω	EQ, Dynamics, Delays,	1800W/4Ω	W005	900W/8Q	EQ, Dynamics, Delays	Specification

ys for Sub

s, Crossover

CD Player

Suplier Rivera

Pioneer Brand

Qty

Model

Specifications Double Deck Pro

Brand Denon Denon

DVD Player

Surround Processor

Surround Optional

1 1 Qty

Model
DN-A7100
DN-V310

DTS/Dolby Compatible

Specifications

7.1 Decoder

CMX-3000

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SHOOL	-
Musical	ú
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	Brand	Qty	Model	Specifications
Feedback Processor	Samson	ယ	D-3500	Feedback Suppressor, EQ. Dynamic
Dynamic Processor	Presonus		ACP88	Compressor/Limiter/Gate
FX Processor	Alesis	2	Midiverb 4	Multi Effects Digital Processor
Power Conditioner	Samson	4	Powerbrite Pro10	Power Stabilizer
Racks	Samson		SRK16	16 Rack Spaces
Racks	Samson	2	SRK12	12 Rack Spaces
Microphone Stands	Samson	12	BT4	Telescopic Boom Stands
Microphone Stands	Samson	8	MB1	Mini Boom Stands
Microphone Stands	Samson	2	SB100	Studio Boom Stands
Green Room Amplifiers	Samson	2	Servo 120a	50W/8Ω
Headphones	Samson	2	CH 700	Open Headphones

Optional Recorder Digital Multitrack Recorder

Alesis

S

ADAT HD24

24 Track Hard Disk Recorder

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Now 2

Supplier Aditya Infotech

Digital EQ for Main PA & Surrounds	Lamp	Mixing Console	Lavalier Accessories	Lavalier Accessories	Lavalier Accessories	BodyPack System (accessory)	Lavalier	MiniMic Headworn	BodyPack System	HandHeld Transmitter with Mic	Gooseneck	Amplifiers	Front Fill Speaker	Flying Cables	Grid	Subwoofer (W:25.9"/0.65m)	Line Array (H:47/1.20m W:24"/0.60m)		
Mackie	Mackie	Mackie	Audix	Audix	Audix	Audix	Audix	Audix	Audix	Audix	Audix	EAW	EAW	EAW	EAW	EAW	EAW	Brand	
_	ယ	_	4	4	4	4	4	4	4	4	ω	>	4	2	2	2	10	Qty	
QUAD EQ	4 Pin Desk Lamp	Onyx3280	MC10L	WS10S	APS-911	W3-BP	ADX10	HT5-BG	W3-BP	W3-OM5	Micropod 18HC	CAZ1400	VR61	KF750	FB172	NTS22	NTL720	Model	
Digital Graphic EQ	12 Volts	32 Channels/8Aux/Mute Groups	Battery/Phantom power adapter	Metal Clip	Windscreen	To use HT5 or ADX10 wired	Miniaturized lavalier condenser	Slim-line headset vocal condenser	RAD-360 Bodypack System with transmitter	RAD-360 System with OM5 dynamic transmitter	M1250 with Flexible gooseneck 18"	450W/4Ω	150W/8Ω	For Subs	For Line Array	1000W	500W/500W/500W	Specifications	

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EAW	EAW	Brand
5	20	Qty
CAZ1400	VR61	Model
450W/4 Ω	300W/8Ω	Specifications

Surround Speakers down + balcony

Optional

Amplifiers

Option 1 = original option

	Brand	Qty	Model	Specifications (Peak)	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Line Array (H:49.4"/1.25m W:28.6"/0.73m)	EV	10	XLD281	800W/400W/16Ω	Passive	75Hz-18KHz	135dB	Rs.222,504	Rs.2,225,040	Rs.4,232,710
Subwoofer (W-28 58"/0 73m)	i≧		XS212	2000WII4O	Passive	52Hz	136dB	Rs.175,731	Rs.351,462	
Amplifiare	Dynacord		1 X2200	11000//40	For Highs & Mids	× 10.	1	Rs.126,954	Rs.507,816	
	Dynacord		1 X3000	1500WI40	For Subs	1	1	Rs.180,408	Rs.180,408	
Signal Processor	FV	,	DX38	EQ. Dynamics, Delays, Crossover	2 In/4 Out	3-5 D	1	Rs.78,846	Rs.157,692	
	EV.	1 0	XLD Grid		1		ı	Rs.54,123	Rs.108,246	
Front Fill Speaker	EV.	4	XI1082	350W/8D	Passive	50Hz-20KHz	118dB	Rs.45,436	Rs.181,745	
Amplifiers	Dynacord		SL1200	950W/4Ω		1	ī	Rs.50,001	Rs.50,001	
Stage Monitor										
· · · · · · · · · · · · · · · · · · ·	Brand	Qty	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	lotal Incl. lax
Side Monitors	EV	4	Sxa360	M009	Passive	60Hz-18KHz	129dB	Rs.92,543	Rs.370,170	Rs.808,909
Wedges	EV	4	Fri28lpm	400W/8Ω	Passive	70Hz-20KHz	122dB	Rs.45,771	Rs.183,083	
Ampliflers	Dynacord	2	SL1200	480W/8D	For Wedges	ı	1	Rs.50,001	Rs.100,002	
Feedback Processor	Samson	3	D-3500	Feedback Suppressor, EQ, Dynamic		1	1	Rs.21,925	RS.65,775	
Processing for Monitors & Front Fill										
	Brand	Oto	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Digital EQ	Klark Teknik	2	KT DN9344	W	4 Channels		1	Rs.298,649	Rs,597,298	Rs.671,960
Microphones										
	Brand	Ot.	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Gooseneck	EV	ີຕ	EV PC 18"	M1250 with Flexible gooseneck			1	Rs.20,936	Rs.62,808	Rs.536,301
MiniMic Headworn	EV	4	EV RE97 TX	Slim-line headset vocal condenser		1	1	Rs.25,057	Rs.100,228	
Condenser with transmitter	EV.	4	EV RE510	HTU2C-510 transmitter featuring the RE510	1	1	1	Rs.40,000	Rs.160,000	
HandHeld Transmitter with Mic	EV	4	EV RE2 N7	HUT2D-767a transmitter featuring the N/D 767a		-	-	Rs.38,419	Rs.153,676	
Mixer + External Processing										
	Brand	Qty	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Mixing Console	Midas	-	Venice 320	32 Channels/6Aux	Analog	1	1.	Rs.328,600	Rs.328,600	Rs.1,023,705
Lamp	Midas	•	Desk Lamp	12 Volts	1	ı	1	Rs.10,837	Rs.10,837	
Digital EQ for Main PA	Klark Teknik	,	KT DN9340	Multi-EQ	Stereo	l s	1	Rs.298,649	Rs.298,649	
Dynamic Processor	Klark Teknik	. 2	KT DN504	Compressor/Limiter	4 Channels	1	l	KS.114,53/	RS.229,074	
FX Processor	Alesis	2	Midiverb 4	Multi Effects Digital Processor		-		KS.Z1,400	KS.42,600	
External Equipment										
	Brand	Qty	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
CD Player	Pioneer		CMX-3000	Double Deck Pro	•	1	1	Rs.45,000	Rs.45,000	Rs.241,650
Power Conditioner	Samson	4	Powerbrite Pro10	Power Stabilizer	1	1	1	Rs.10,600	Rs.42,400	
Racks	Samson	-	SRK21	21 Rack Spaces	ŀ	1	1	Rs.7,100	Rs.7,100	
Racks	Samson	-	SRK16	16 Rack Spaces	/1	1	1	Rs.6,500	Rs.6,500	
Racks	Samson	2	SRK12	12 Rack Spaces	1		1	Rs.6,100	Rs.12,200	
Microphone Stands	Samson	12	BT4	Telescopic Boom Stands	-	1	1	Rs.1,800	Rs.21,600	
Microphone Stands	Samson	80	MB1	Mini Boom Stands	•	1	1	Rs.1,500	Rs.12,000	
Microphone Stands	Samson	7	SB100	Studio Boom Stands		1	1	Rs.6,500	Rs.13,000	
Green Room Speakers	OSC	4	AD-S32T	30M/M0E	Passive	73Hz-20KHz	105dB	Rs.6,400	Rs.25,600	
Green Room Amplifiers	Samson	7	Servo 120a	₩05		ľ	1	Rs.12,800	Rs.25,600	
Headphones	Samson	2	CH 700	Open Headphones		-	-	Rs.1,900	Rs.3,800	



Total
Rs.7,915,236
The prices given above are approximate



Price Total Incl. Tax
Rs.400,000
Approximate Cost

Details Frequency Range (-3dB) Max SPL Rate

1 1 1

Specifications

Model

Brand Qty

Microphone Cables Patching Cables Speaker Wiring Snake

699

Offion 1 = EtectroVoice (EV) line array > Original saledray

(30)

Fax: (22) 23 86 23 42

Mobile 1: (0) 93 225 32 349

Email 2: riverainternational@gmail.com

Email 1: ppatils@gmail.com

Web: www.riverainternational.com

Mr. Apollo

Company: Pro Musicals

: # 25 - Casa Major Road / Egmore /

600 008 Chennai, Tamil Nadu

Line 1: (44) 28 19 36 07

Line 2: (44) 28 19 34 45

Fax: (44) 28 19 38 23

M1 name: Apollo

Mobile 1: (0) 98 843 04 426

Email 1: apollo_promusic@vsnl.net

Web: www.promusicals.com

Email: soundwiz@auroville.org.in / Web site: www.soundwizard.net TNGST: 4720858/95-96/ dt 1-4-93 CST: 399042/ dt 23-4-93

Distriction O	Drond	0.40	Model	Sparifications	Details	Frequency Range (-3dB) Max SPL	Max SPL	Rate	Price	Total Incl. Tax
Dinorios de misso de mario de	Dialia	2	VB64	300M/80	Passive	85Hz-20KHz	118dB	Rs.25,610	Rs.512,200	Rs.891,225
opeakers down + balcony			00124100			1	1	Rs 33.000	Rs.165,000	
Amplifiers	EAW	9	CAZ1400	450W/41	-			000000	20000	
Surround Processor	Denon	-	DN-A7100	7.1 Decoder	-			Rs.70,000	Rs.70,000	
DVD Player	Denon	1	DN-V310	DTS/Dolby Compatible	1	I	-	Rs.45,000	Rs.45,000	
Recorder										
Digital Multitrack Recorder	Alesis	1	ADAT HD24	24 Track Hard Disk Recorder	24 BIt/96kHz	-	1	-	-	Rs.140,000
Communication										
Communication	Telex	1		Same as Previous list	-	-	-		1	Rs.362,164
Digidesign - Digital Mixer		-							200 700 0	0000000
Mix Rack System (option B)	Dialdesian		Mix Rack System	48 Mic/Line Input – 16 line outputs	18 Track Recording	•	-	Rs.2,981,290	KS.Z,981,290	KS.Z,657,478
ifems not needed on the main list (mixer & external processing)	er & external proc								-Rs.619,088	
O chour Dodlo			1	-	1	-	-	•	Included	
Desiron Fronte					1	1	1	1	Included	
Dor Mix Englife Cards		٠, ٠			1	-	1	1	Included	
U-Snow sortware		•			100000	1		-	Included	
VenuePack 3.0 Plugins					1	•	•	-	Included	
Video monitor mounting prackets			ı		1		-	•	Included	
I rackball mounting ball	-		ľ			•		•	Included	
llok USB Smart Key	•		-		1	-		•	Included	
All necessary cables and user guides	L								laction	
Fwx Firewire Record and Playback	1		1	1	-	-			nonnine.	





	_	
2		
-	-	7
6	-	

Line Array (H:471.20m W:24"0.60m) EAW 10 Subwooter (W:25.9"0.66m) EAW 2 Signal Processor 1 Signal Processor EAW 2 Flying Cables Front Fill Speaker EAW 2 Flying Cables Front Fill Speaker EAW 1 Flying Cables Front Fill Speaker EAW 2 Flying Cables Front Fill Speaker EAW 2 Flying Cables Front Fill Speaker EAW 2 Flying Cables Front Fill Speaker 2 Front Fill Speaker 3 F	NTL720 NTS22 DSP30 FB172 KF750 VR61 CAZ1400 AD-S282H HPR122 RMX5050HD D-3600 D-3600 Model Model Model Model Model Model	EQ, Dynamics, Delays for Sub For Line Array For Subs For Subs For Subs For Subs For Subs 150W/80. A60W/80. A60W/80. A60W/80. B00W/80. B00W/80. Specifications EQ, Dynamics, Delays, Crossover Specifications EQ, Dynamics, Delays, Crossover	Active 2 In/2 Out	75Hz-21kHz 35Hz-130Hz 	1334B 1324B -	Rs.226,896 Rs.226,896 Rs.38,600	Rs.3,088,900 Rs 463 790	Rs.4,509,146
Intervention Brand Intervention Interventi	Model		Passive Passive Passive Active Passive Passive Active Cor Side Monitors Details BIR/8 Out	3642-13042 	132dB -	Rs.226,896 Rs.38,600	De 453 790	
#Monitor EAW	MY822 DSP30 FB172 KF750 VR61 CAZ1400 MOdel Model D-3600 Model Model Model Model Model		Active 2 In/2 Out Passive Passive Passive Active Active Cor Side Monitors	35Hz-130Hz 	13ZdB 	Rs.226,689 Rs.38,600 Ps. 129,700	ME ARS / HI	
Audix Audix Audix Audix as Audix and Audix as Audix and Audix as Audix and Audix as Audix as Audix and Audix as Audix and Aud	DSP30 FB172 KF50 VR61 CAZ1400 Model		Passive Details Passive Active Tor Side Monitors Details Bin/8 Out		1	Rs.38,600	na idealizati	
## EAW EAW EAW EAW EAW EAW EAW EAW EAW Casc	FB172 KF780 VR64 CAZ1400 Model		Passive Details Details Passive Active For Side Monitors Cor Side Monitors For Side			D- 199 700	K8.38,600	
EAW	KF750 VR61 CAZ1400 Model AD-3282H HPR122 RMX5050HD D-3600 D-3600 Model Model Model Model		Passive Details Passive Active Active Cor Side Monitors	- 85Hz-20kHz	1	Na. Indian	Rs.259,400	
EAW EAW EAW Brand QSC QSC QSC QSC QSC QSC QSC QSC QSC QS	West CAZ1400 Model AD-S282H HPS122 RMX5050HD D-3500 Model Model Model Model Model		Details Passive Passive Active Tor Side Monitors Cor Side Monitors Details Bin/8 Out	85Hz-20kHz	1	Rs.16,000	Rs.32,000	
# Monitor Brand asc	Model Mo		Details Passive Active Tor Side Monitors Details Bin/8 Out		118dB	Rs.25,610	Rs.102,440	
## Brand	Model Mo		Details Passive Active or Side Monitors Details BIN/8 Out	-	ı	Rs.33,000	Rs.33,000	
Samson Total Frocessing Sand Asc Audix Brand Brand Brand Mackle Mackle	Model Mo		Details Passive Active or Side Monitors Details BIN/8 Out					
Brand OSC	Model AD-S282H AD-S282H APR-122 RMX5050HD D-3600 D-3600 Model Model Model		Details Passive Active or Side Monitors Details BIN/8 Out	1				April 1 - 1 1 - 4 - 46
GSC OSC OSC OSC OSC OSC OPTIONS & Front Fill Brand Audix Au	AD-\$282H HPR122 RMX5050HD D-\$600 D-\$600 Model Macropod 18HC		Passive Active Cor Side Monitors	Frequency Range (-3dB)	Max SPL	Rate	Price	lotal Incl. lax
fonitors & Front Fill Brand Audix Se Audix Se Audix Se Audix	HPR122 RMX5050HD D-3500 D-3500 Model Model Micropod 18HC		Active cor Side Monitors Details B In/8 Out	80Hz-27kHz	125dB	Rs.37,800	Rs.151,200	RS.576,197
Processing Audix	RMX5050H D D-3600 D-3600 Model Model Micropod 18HC		or Side Monitors Details 8 In/8 Out	62Hz-18kHz	131dB	Rs.53,500	Rs.214,000	
Monitors & Front Fills Brand QSC QSC QSC Audix	Model DSP322ua Model Model Model	Feedback Suppressor, EQ, Dynamic Specifications EQ, Dynamics, Delays, Crossover Specifications	Details 8 ln/8 Out	ŀ	1	Rs.81,200	Rs.81,200	
Monitors & Front Fills Deplones OgsC OgsC OgsC Audix Ss Audix Audix Ss Audix Audix Ss Audix Markie Markie Markie Markie	Model DSP322ua DSP322ua Model Model	Specifications EQ, Dynamics, Delays, Crossover Specifications	Details 8 In/8 Out	•	1	Rs.21,925	Rs.65,775	
Brand Audix Bs Audix Audix Bs Audix Audix Bs Audix Audix Bs Audix Audix Brand Mackle Mackle	Model DSP322ua Model Micropod 18HC	Specifications EQ, Dynamics, Delays, Crossover Specifications	Details 8 In/8 Out					
qSC optiones Brand Audix Audix Audix Audix Audix Audix Audix Audix Ss Ss Audix Audix Audix Ss Audix Mackle	Model Micropot 18HC	EQ, Dynamics, Delays, Crossover Specifications	8 In/8 Out	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Brand Audix Audix Audix Audix Audix Audix Audix Audix SS Audix Mackie	Model Micropod 18HC	Specifications		-	1	Rs.180,906	Rs.180,806	Rs.203,519
Brand Audix	Model Micropod 18HC	Specifications						
Audix	Micropod 18HC	The state of the s	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
Sing Brand Mackie Mackie	And Date	M1250 WITH PIRKING GOOGBOACK TO			1	Rs.20,355	Rs.81,065	Rs.532,828
Audix	CWC-CWC	RAD-360 System with OM5 dynamic transmitter		1	1	Rs.40,480	Rs.161,920	
Audix	W3-BP	RAD-360 Bodypack System with transmitter	-	1	1	Rs.30,000	Rs.120,000	
Audix Audix Audix Audix Audix Audix Audix Audix Audix Mackie Mackie	HT5-BG	Silm-line headset vocal condenser	1	-	1	Rs.20,126	Rs.80,500	
Audix Audix Audix Audix Audix Audix Audix Audix Mackie Mackie	ADX10	Miniaturized lavaller condenser	1	1	1	Rs.12,535	Rs.50,140	
Audix	W3-BP	To use HT5 or ADX10 wired	1		1		Ks.0	small amount
ories Audix ories Audix internal Processing Brand Mackle	APS-911	Windscreen	ı	1	1		78.0	
Audix Audix Arternal Processing Brand Mackle Mackle	WS10S	Metal Clip			1 1		Rs O	
Brand Mackle Mackle Mackle	MCIUL	Datter yr namon power anapter						
Brand Mackle Mackle				- 4				
	Model	Specifications	Details	Frequency Range (-3dB)	Max SPL	Rate	Price	Total Incl. Tax
	Onyx3280	32 Channels/8Aux/Mute Groups	Analog	ľ	1	Rs.330,000	Rs.330,000	Rs.619,088
	4 Pin Desk Lamp	12 Volts			1	Rs.4,000	Ks.12,000	
PA & Surrounds	QUAD EQ	Digital Graphic EQ	4 Channels	1	ı	Rs.77,000	Rs.77,000	
Dynamic Processor	ACP88	Compressor/Limiter/Gate	8 Channels		1 1	Rs 21 400	Rs.42.800	
		1000000 Table 2000000000000000000000000000000000000	7.					
External Equipment	Model	Charifications	Dataile	Frequency Range (-3dB)	Max SPI	Rate	Price	Total Incl. Tax
Dialiu	MAC SHOW	Operilications	Coldina	rieduciicy Mange (-oue)	1 10 1	De 46 000	De AA OOO	Re 233 663
CD risyer Florier Ploneer Plonee	Dowerhrite Dro10	Dower Stabilizer	ı ı		1	Rs.10,600	Rs.42.400	
	SRK16	16 Rack Spaces		1	ı	Rs.6,500	Rs.6,500	
	SRK12	12 Rack Spaces	1	-	l	Rs.6,100	Rs.12,200	
hone Stands	BT4	Telescopic Boom Stands	-	1	1	Rs.1,800	Rs.21,600	
Samson	MB1	Mini Boom Stands	ı		1	Rs.1,500	Rs.12,000	
Samson	SB100	Studio Boom Stands	1	í	1	Rs.6,500	Rs.13,000	
Green Room Speakers 4	AD-S32T	30W/8Ω	Passive	73Hz-20kHz	105dB	Rs.6,400	Rs.25,600	
Green Room Amplifiers Samson 2	Servo 120a	©8/M05	ı		1	Rs.12,800	Rs.25,600	





Rs.7,024,441
The prices given above are approximate

Total





Price Total Incl. Tax
Rs.350,000
Approximate Cost

Frequency Range (-3dB) Max SPL Rate

Details

Specifications

Model

Q.

Brand

Microphone Cables Patching Cables & patch bays

Speaker Wiring

111

1 1 1

option 2 = EAW line array much better gudity at a similar price range

(36)



Kalashetra fine arts auditorium

#	TYPE	Model No.	ITEM	ΟΤΥ		Date: 19.08.2008 Value
SL#	TYPE	Model No. DESCRIPTION	ITEM DESCRIPT ION	QTY	Unit Price	Value

თ	4	ပ	2	_
INTERCOM PH1	INTERCOM PS15	INTERCOM TW5W	INTERCOM BP319	INTERCOM PH1
PH1		TW5W	BP319	PH1
1 SPARE INTERCOM HEADSET	TELEX WIRED INTERCOM POWER SUPPLY	INTERCOM SPLITTER	TELEX WIRED INTERCOM BELTPACK S	INTERCOM HEADSETS
_	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	Cī	ڻ.
20,413.26	51,607.08	19,495.98	33,716.34	20,413.26
20,413.26	51,607.08	19,495 98	1,68,581.70	1,02,066.30

Total:

3,62,164.32

Note:

- Taxes will be additional as applicable
 Payment 100 % along with Confirmed PO
- 3. All Speaker cables from the console to the speaker point to be done by customer Installation, signal cable, connectors

Digidesign quote March 2009

Srl No. Product

1 Option A – Mix Rack HD 64 (64 Track Recording)

VENUE components

- D-Show Profile Mix Rack system, which includes:
- o D-Show Profile console
- o Mix Rack (48 mic/line inputs, 16 analog line outputs)
- o D-Show® software
- o VENUEPack 3.0 plug-ins
- o Video monitor mounting bracket (monitor not included)
- o Trackball mounting bracket (trackball not included)
- o iLok USB Smart Key (preauthorized with all VENUEPack and factory-installed plug-ins)
- o All necessary cables and user guides
- · Additional DSP Mix Engine Card (for a total of three)
- · VENUEPack Pro 3.0 plug-ins
- HDx Pro Tools|HD interface card (for up to 64 channels of Pro Tools recording and playback)

Pro Tools|HD components

- Pro Tools|HD 2 Accel** for PCI or PCIe (includes Pro Tools HD software and over 40 plug-ins)
- Two 12' DigiLink™ cables

2 Option B - Mix Rack System (18 Track Recording)

Mix Rack System include the following VENUE components.

- o D-Show Profile console
- o Mix Rack (48 mic/line inputs, 16 analog line outputs)
- o with two DSP Mix Engnie Cards
- o D-Show® software
- o VENUEPack 3.0 plug-ins
- o Video monitor mounting bracket (monitor not included)
- o Trackball mounting bracket (trackball not included)
- o iLok USB Smart Key (preauthorized with all VENUEPack
- and factory-installed plug-ins)
- o All necessary cables and user guides
- o FWx Fire Wire Record and Playback -18 track recording

Terms:

- 1. VAT and Octroi will be extra as applicable
- 2. Payment terms: 100% payment along with order
- 3. Delivery: 4 to 6 weeks of clean order.
- 4. Validity: This offer is valid for 60 days from this date
- 5. This system does not include a MAC

Price in INR 3,869,145 INR

2,981,290 INR



Contacts:

Dhruv Datta

Company: Aditya Infotech Ltd

: #12-13 & 15-A - Janki Centre / 29 - Shah Industrial Estate /

Off. Veera desai road / Andheri (west) /

400 053 Mumbai

Line 1: (22) 26 74 15 95

Line 2: (22) 26 74 15 96

Line 3: (22) 26 74 15 98

Fax: (22) 26 74 15 00

M1 name: Dhruv Datta

Mobile 1: (0) 93 218 94 353

M2 name: Amilpurti

Mobile 2: (0) 93 138 91 845

Email 1: dhruv_datta@adityagroup.com

Email 2: sathishkumar_mogili@adityagroup.com

S. Gopinadhan

Company: MRH Digital System Pvt. Ltd

: Skanda Krupa / # 191- 1st Cross / 38th Main /

BOOHBCS / BTM Layout II Stage /

560 068 Bengalooru, Karnataka

Line 1: (80) 41 20 05 71

Line 2: (80) 41 20 05 72

Line 3: (80) 41 20 05 73

Fax: (80) 41 20 05 74

M1 name: Gopinadhan

Mobile 1: (0) 93 437 71 035

Prasad Patil

Company: Rivera International

: # 7-397A-1B / Mangaldas House / Naaz Cinema Compound /

Lamington Road /

400 004 Mumbai, Maharashtra

Line 1: (22) 23 80 05 55



TNGST: 4720858/95-96/ dt 1-4-93 CST: 399042/ dt 23-4-93



Digital mixing board (from DIGIDESIGN), 2 options (A & B) are presented. It is an
expensive item but very versatile in terms of stage production and live recording. If
this item is selected, there will be no need of the item 'mixer + external processing'.
So the indicated price shows the actual increase in price, not the cost of this item.

We hope that this report will be clear enough, it is a complicated situation with multiple choices, we tried our best to present in the simplest way. Deepu would be very helpful to you in order to clarify any question, he would understand the meaning of each listed item.

Enclosed we have:

List option 1: the original EV quote as per today's rough rates.

List option 2: EAW (better quality) option, as per today's rates + 4 pages break down

List option 3: QSC (cheaper) option as per today's rate + 4 pages break down

Each list is accompanied by a 4 pages break down (by supplier) without the rates in order to request each supplier a proper official quote. You would have first to choose between list 2 or 3. The suppliers contacts are listed below.

<u>Bosh previous quote</u> for the **TELEX** (communication) equipment as you received it already. If you wish, we can explore this item furthermore, but the budget might be equivalent.

Digidesign quote for option A & B digital mixers.

At your service for any further details,

Warm Regards,

Didier Weiss



Auroville, Mar 16th, 20009

Dear Leela Samson,

Kindly find enclosed the summary of our research as per the up to date audio equipment purchase for your main auditorium.

As you already know from our communication so far, the initial list stays technically very true, as per using line array technology associated with DSP. The original selection based on 2005 has in 2009 evolved with many other brands being either better in terms of quality/flexibility or cheaper for the same quality level.

So, amongst the few supplier giving proper technical support in India, and amongst all the equipment we have tested so far, 2 lists (options 2 & 3) came out in a very coherent way.

Main system:

From the option 1 (original EV) - amounting about 80 lakhs as per today's rate.

We selected **option 2** based on EAW components. It is a very well know brand from USA, that provides in this case the latest improvement in technology, the line array being released on the market a few months ago only. The budget would be around 70 lakhs, for a totally outstanding result.

We also selected **option 3** based on QSC components. It is also a USA brand, that is known for very good quality/price and gets a very good support in India. The final quality will be excellent in any case, comparable to the original EV selection at a much cheaper price.

Optional equipments:

For each of the option 2 & 3 we gave a list of additional optional equipments:

- Surround implementation in the hall, for Dolby/DTS movie implementation in your auditorium.
- Digital multitrack recording device, in order to be able to work editing and mixing in a studio at a later phase. Note that this option is not needed if you go for the Digidesign mixing board.
- Communication system, that is intercom between several places. We kept the original
 quote and list from Telex. There might be other options by now if you are interested,
 but that will require more time to study. The budget could be be reserved based on
 these prices.

SOUND WIZARD - ACOUSTICAL DESIGN AND AV SYSTEMS CONSULTANCY

		PROVIDER = PRESIDENT	
	By SOUND WIZARD	APW President 144 Maalavika Center / (basement) / Kodambakkam High Road 600 034 Chennai, Tamil Nadu Line 1: (44) 28 25 10 08 Line 2: (44) 28 21 75 06 Line 3: (44) 28 20 60 26 Fax: (44) 28 25 10 08 Email 1: krishna@apwpresident.com	
TYPE	Model No.	ITEM DESCRIPTION	QTY
MONITORS	EASIBOX 15U	Fly Case for monitor racks, 15U WITH CASTOR WHEELS AND HANDLES	1
FOH SOUND SYSTEM		Fly case for FOH LEFT and FF amps and processors racking, 15U WITH CASTOR WHEELS AND HANDLES	1
FOH SOUND SYSTEM	EASIBOX 15U	Fly case for FOH RIGHT and processors racking, 15 U WITH CASTOR WHEELS AND HANDLES	1
MIXING	EASIBOX 15U	Fly Case for MIX racks, 15U WITH CASTOR WHEELS AND HANDLES	1

		PROVIDER = KALAKSHETRA	
TYPE	Model No.	ITEM DESCRIPTION	QTY
MIXING	ELECTRICITY	40 TO 50MTR CABLE FOR POWERING THE MIXING CONSOLE AND ITS RACK, NEEDED ONLY IF NO PLUGS AVAILABLE @ MIX LOCATION OR IN CASE THE PLUG AVAILABLE IS ON ANOTHER PHASE	1
FOH SOUND SYSTEM	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK (FF INCLUDED) 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1
MONITORS	ELECTRICITY	4 AMPS NEEDED FOR MON RACK (WITHOUT THE 4 POWERED ON-STAGE SPEAKERS), 1x16A BREAKER + 1 DISTRIBUTION SOCKET	1
MIXING	ELECTRICITY	4 AMPS NEEDED FOR MIX RACK , 1x16A BREAKER + 2 DISTRIBUTION SOCKETS	1
FOH SOUND SYSTEM	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK RIGHT 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1



		PROVIDER = STUDIO CARE	
	By SOUND WIZARD	Studio Care #58, Warren Road / Flat no.4 / Rajeswari Apts / Mylapore 600 004 Chennai, Tamil Nadu Line 1: (44) 42 04 94 36 studiocare@vsnl.net	
TYPE	Model No.	ITEM DESCRIPTION	QTY
MONITORS	SPEAKON MAIN CABLES	NL4 SPEAKON CABLES	2
MONITORS	SPEAKON LINK CABLES	NL4 SPEAKON CABLES	2
MONITORS	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	4
GREEN ROOMS	XLR CABLES	XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 20 MTR	2
GREEN ROOMS	XLR CABLES	XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 40 MTR	1
FRONT FILLS	LINK CABLES	BARE ENDS LINK CABLES FOR SPEAKERS, 4 MTR	4
FOH SOUND SYSTEM	MAIN INPUT SNAKE	Snake cable 32 ins, LENGHT= 70m splice at one end, harting or soca at other end (SEE SCHEMATIC)	1
FOH SOUND SYSTEM	MAIN OUTPUT SNAKE	Snake cable 8 OUTS, LENGHT= 70m splice at both ends + internal connection to harting or soca located in FOH RACK LEFT (SEE SCHEMATIC)	1
FOH SOUND SYSTEM	XLR CABLES	30MTR SHIELDED XLR TO XLR CABLE FOR LEFT FOH RACK TO RIGHT FOH RACK JOINT, 1 FOR THE RIGHT CHANNEL SOUND AND THE OTHER FOR RELAY SWITCHBOX ACTIVATION	2
FOH SOUND SYSTEM	MONITOR RACK SNAKE	Snake cable 4 outs length according to the position of monitor rack, splice at one end, harting or soca at other end (SEE SCHEMATIC)	1
MIXING	INSERT CABLES	ONE 6.35 STEREO JACK (M) TO 2 XLR (M/F), 6MTR	8
MIXING	TASCAM CD01U PRO	CD PLAYER, STEREO, RACKMOUNT TYPE WITH AUTOCUE	1
MIXING	TASCAM322	DOUBLE CASSETTE PLAYER AND RECORDER, RACKMOUNT TYPE	1
FOH SOUND SYSTEM	SPEAKON MAIN CABLES	NL8 TO NL4 SPEAKON CABLES, FOR BASS CABINETS	2
FOH SOUND SYSTEM	ON-STAGE SPLITBOX	1 IN / 2 OUTS REMOTE CONTROL AND SWITCHING BOX FOR LINE ARRAY 3 WAY SPEAKERS	1
FOH SOUND SYSTEM	SPEAKON MAIN CABLES	NL8 Y TYPE SPEAKON CABLES, ONE END SPLITTED 3xNL4 FITTED FOR LO/MID/HI SEPARATION, 1MTR	2
FRONT FILLS	SPEAKON CABLES	NL4 SPEAKON TO BARE END CABLE	2
MONITORS	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR ACTIVE MONITORS INPUT WIRING. 18 METER	2
FOH SOUND SYSTEM	RELAY SWITCHBOX	1 IN / 2 OUTS SWITCHING BOX FOR LINE ARRAY 3 WAY SPEAKERS	2
FOH SOUND SYSTEM	REMOTE CONTROL	1 REMOTE CONTROL FOR THE RELAY SWITCHBOX	1
FOH SOUND SYSTEM	SPEAKON LINK CABLES	NL8 SPEAKON CABLES, 1 METER	6
FOH SOUND SYSTEM	SPEAKON LINK CABLES	NL8 TO NL8 SPEAKON FROM RELAY SWITCH BOX TOWARDS XLD281 CABINETS	4
INTERCOM	XLR BOX	WALLMOUNT BOXES FOR INTERCOM CONNECTION, XLR FITTED	10
INTERCOM	XLR CABLES	XLR TO XLR SHIELDED CABLE FOR TELEX BELTPACKS, 5MTR	10
INTERCOM	CABLE	SHIELDED CABLE FOR INTERCOM CONNEXION 200MTR + XLR PLUGS	1



		PROVIDER = BOSCH	
	By SOUND WIZARD	Bosch / EVI Audio India Pvt Ltd No. 82 / 83, Borewell Road / Whitefields 560 066 Bengalooru, Karnataka Line 1: (80) 28 45 66 90	
TYPE	Model No.	ITEM DESCRIPTION	QTY
		INTERCOM HEADSETS	5
INTERCOM	PH1	TELEX WIRED INTERCOM BELTPACKS	5
INTERCOM	BP319	INTERCOM SPLITTER	1
INTERCOM	TW5W	TELEX WIRED INTERCOM POWER SUPPLY	1
INTERCOM	PS15	1 SPARE INTERCOM HEADSET	1
INTERCOM	PH1	15. 202 3.00000000000000000000000000000000	
FRONT FILLS	Dynacord S1200	2 x 600 watts @ 4 ohms,High-Efficiency, Power amplifier	1
FRONT FILLS	EV ID 4.2	150W rms, 100° x 90° in horizontal underbalcony format, black FRONT FILLS	6
FOH SOUND SYSTEM	EV XLD Grid	Grid for up to 16 XLD cabinets or 8 XS212 cabinets, aluminium, black + ACCESSORIES	2
FOH SOUND SYSTEM	EV DX38	2-in4 digital loudspeaker processor with x-over, EQ, delay, compressor/limiter, front-panel display, PC Remote software (RACE)	2
FOH SOUND SYSTEM	EV XLD 281	Very Compact line-array cabinet, 2 X 8" DVN2080, 2 X ND2, 120° x 10°, black	10
FOH SOUND SYSTEM	Dynacord LX 2200	2 x 1100 watts @ 4 ohms, High-Efficiency, Class-H, SMPS for medium speakers	2
FOH SOUND SYSTEM	Dynacord LX 3000	2 x 1500 watts @ 4 ohms, High-Efficiency, Class-H, SMPS for bass cabinets	2
FOH SOUND SYSTEM	EV XS 212	X-Line Very Compact Bass Cabinet, 2x DVX3120, 1000 watts, black	2
MICROPHONES	EV ND 468	N/DYM® dynamic supercardioid instrument microphone	3
MICROPHONES	EV ND 868	N/DYM® dynamic cardioid variant bass drum microphone	2
MICROPHONES	EV RE 92L	Premium lapel microphone, cardioid.	3
MICROPHONES	EV RE2 BP	Bodypack system includes: BPU-2 transmitter, and a RE-2 Receiver, no microphone in a hard shell road case.	4
MICROPHONES	KT DN 100	Roadworthy active direct injection box	3
MICROPHONES	EV RE200	Probe-style true condenser cardioid instrument microphone	2
MICROPHONES	EV PC 18"	Multi-pattern gooseneck microphone with mic switch and universal base, 18-inch gooseneck	3
MICROPHONES	EV RE97 TX	MiniMic Omindirectional Low Profile Headworn microphone in light beige color with TA4F connector	4
MICROPHONES	EV RE90B	Boundary condenser microphone,Black	3
MICROPHONES	EV ND 767a	N/DYM® dynamic supercardioid lead vocal microphone	3
MICROPHONES	EV RE510	Handheld system includes: HTU2C-510 transmitter featuring the RE510 super cardioid Condenser element, and RE-2 diversity receiver.	2
MICROPHONES	EV RE2 N7	Handheld system includes: HTU2D-767a transmitter featuring the N/D 767a supercardioid dynamic element, and RE-2 diversity receiver all in a hard shell road case.	4
MIXING	KT DN 370	Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1
MIXING	KT DN 504	Four channel / dual stereo compressor / limiter	2
MIXING	Midas Venice 320	28 Mono-, 4 Stereo-Line-Inputs Mixing console	1
MIXING	12V Desk Lamp	LITTLITE GOOSENECK TYPE	2
MONITORS	EV Sxa 360	Powered (100-120V), 12-inch two-way, 350+150W, 65° x 65°, line-level in/out, stand mount, black polypropylene, incl.15ft (5m) power cord	4
MONITORS	KT DN 370	Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1
MONITORS	EV Fri 28 lpm	Dual 8-inch, two-way, low profile, passive, 100° x 100° full range loudspeaker, 200-watt, 93dB 1w@1m, with non-skid rubber feet, Speakon® connectors, black (no bracket)	4
MONITORS	Dynacord S 900	2 x 450 watts @ 4 ohms, High-Efficiency Power amplifier for passive wedges	1

		PROVIDER = PRO MUSICALS	
	By SOUND WIZARD	Sudhin Prabhakar Pro Musicals 25, Casa Major Road / Egmore 600 008 Chennai, Tamil Nadu Line 1: (44) 28 19 36 07 Fax: (44) 28 19 38 23 Email 1: promusic@vsnl.com	
TYPE	Model No.	ITEM DESCRIPTION	QT
FOH SOUND SYSTEM	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	12
FF	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1
GREEN ROOMS	M AUDIO SP3	STUDIO PRO 3 M AUDIO PAIR OF ACTIVE SPEAKERS FOR GREEN ROOMS	3
MICROPHONES	SPARE CABLES	6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	4
MICROPHONES	MB1	SAMSON MB1 MIC STANDS SHORT BOOMS	8
MICROPHONES	MC18	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 6 METERS PACK OF 3 CABLES	18
MICROPHONES	BT4	SAMSON BT4 MIC STANDS LONG BOOMS	12
MICROPHONES	SB100	SAMSON SB100 MIC STANDS BIG STUDIO BOOMS	2
MICROPHONES	HF MICS CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	10
MICROPHONES	NEUTRIK ADAPTERS	RCA (F) TO 6.35 JACK (M) ADAPTERS	4
MICROPHONES	SPARE CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	4
MIXING	XLR CABLES	RCA (M) TO 6.35 JACK ASYM. CABLES FOR CD CONNECTION, 6 MTRS	2
MIXING	XLR CABLES	6.35 JACK (M) TO XLR ASYM. CABLES FOR SOURCE CONNECTION, 6 MTRS	2
MIXING	SPARE CABLES	6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	2
MIXING	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR MIX RACK	1
MIXING	CH700	HEADPHONES	2
MIXING	REV 2496	V-VERB PRO REV2496 dual engine (4ch) Behringer	1
MONITORS	SAMSON D3500	FEEDBACK SUPPRESSORS	2
MONITORS	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1
FRONT FILLS	SAMSON D3500 EQ	FEEDBACK SUPPRESSOR	1





AUDIO EQUIPMENT LISTS per Supplier



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KALAKSHETRA V4.0 LINE ARRAY SOUND SYSTEM 4 ACTIVE WAYS

By SOUND WIZARD

ITEMS LIST CONT

MIXING	ELECTRICITY	4 AMPS NEEDED FOR MIX RACK , 1x16A BREAKER + 2 DISTRIBUTION SOCKETS	1	KALAKSHETRA
MIXING	ELECTRICITY	40 TO 50MTR CABLE FOR POWERING THE MIXING CONSOLE AND ITS RACK	1	KALAKSHETRA
INTERCOM	PS15	TELEX WIRED INTERCOM POWER SUPPLY	1	BOSCH
INTERCOM	TW5W	INTERCOM SPLITTER	1	BOSCH
INTERCOM	BP319	TELEX WIRED INTERCOM BELTPACKS	5	BOSCH
INTERCOM	PH1	INTERCOM HEADSETS	5	BOSCH
INTERCOM	XLR BOX	WALLMOUNT BOXES FOR INTERCOM CONNECTION, XLR FITTED	10	STUDIO CARE
INTERCOM	XLR CABLES	XLR TO XLR SHIELDED CABLE FOR TELEX BELTPACKS, 5MTR	10	STUDIO CARE
INTERCOM	PH1	1 SPARE INTERCOM HEADSET	1	BOSCH
INTERCOM	CABLE	SHIELDED CABLE FOR INTERCOM CONNEXION 200MTR + XLR PLUGS	1	STUDIO CARE
MICROPHONES	EV ND 767a	N/DYM® dynamic supercardioid lead vocal microphone	3	BOSCH
MICROPHONES	EV RE510	Handheld system includes: HTU2C-510 transmitter featuring the RE510 super cardioid Condenser element, and RE-2 diversity receiver.	2	BOSCH
MICROPHONES	EV RE200	Probe-style true condenser cardioid instrument microphone	2	BOSCH
MICROPHONES	EV ND 468	N/DYM® dynamic supercardioid instrument microphone	3	BOSCH
MICROPHONES	EV ND 868	N/DYM® dynamic cardioid variant bass drum microphone	2	BOSCH
MICROPHONES	EV RE90B	Boundary condenser microphone,Black	3	BOSCH
MICROPHONES	EV RE 92L	Premium lapel microphone, cardioid.	3	BOSCH
MICROPHONES	KT DN 100	Roadworthy active direct injection box	3	BOSCH
MICROPHONES	EV RE2 N7	Handheld system includes: HTU2D-767a transmitter featuring the N/D 767a supercardioid dynamic element, and RE-2 diversity receiver all in a hard shell road case.	4	BOSCH
MICROPHONES	EV PC 18"	Multi-pattern gooseneck microphone with mic switch and universal base, 18-inch gooseneck	3	BOSCH
MICROPHONES	EV RE97 TX	MiniMic Omindirectional Low Profile Headworn microphone in light beige color with TA4F connector	4	BOSCH
MICROPHONES	EV RE2 BP	Bodypack system includes: BPU-2 transmitter, and a RE-2 Receiver, no microphone in a hard shell road case.	4	BOSCH
MICROPHONES	MC18	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 6 METERS PACK OF 3 CABLES	18	PRO MUSICALS
MICROPHONES	BT4	SAMSON BT4 MIC STANDS LONG BOOMS	12	PRO MUSICALS
MICROPHONES	MB1	SAMSON MB1 MIC STANDS SHORT BOOMS	8	PRO MUSICALS
MICROPHONES	SB100	SAMSON SB100 MIC STANDS BIG STUDIO BOOMS	2	PRO MUSICALS
MICROPHONES	SPARE CABLES	6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	4	PRO MUSICALS
		OTUDIO DECO A MALIDIO DAID OF ACTUE OFFALERO FOR		DDO MUCION O
GREEN ROOMS	M AUDIO SP3	STUDIO PRO 3 M AUDIO PAIR OF ACTIVE SPEAKERS FOR GREEN ROOMS	3	PRO MUSICALS
GREEN ROOMS	XLR CABLES	XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 40 MTR	1	STUDIO CARE
GREEN ROOMS	XLR CABLES	XLR (F) TO XLR (M) SYMM. CABLES FOR GREEN ROOMS ACTIVE SPEAKERS, 20 MTR	2	STUDIO CARE



KALAKSHETRA V4.0 LINE ARRAY SOUND SYSTEM 4 ACTIVE WAYS

By SOUND WIZARD

ITEMS LIST CONT

TYPE	Model No.	ITEM DESCRIPTION	QTY	PROVIDER
MONITORS	EASIBOX 15U REF 31-E415-F	Fly Case for monitor racks, 15U WITH CASTOR WHEELS AND HANDLES	1	PRESIDENT
MONITORS	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1	PRO MUSICALS
MONITORS	KT DN 370 EQ	Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1	BOSCH
MONITORS	SAMSON D3500 EQ	FEEDBACK SUPPRESSORS, 1 FOR THE ACTIVE MONITORS AND ONE FOR THE PASSIVE WEDGES	2	PRO MUSICALS
MONITORS	EV Sxa 360	Powered (100-120V), 12-inch two-way, 350+150W, 65° x 65°, line-level in/out, stand mount, black polypropylene, incl.15ft (5m) power cord	4	BOSCH
MONITORS	EV Fri 28 lpm	Dual 8-inch, two-way, low profile, passive, 100° x 100° full range loudspeaker, 200-watt, 93dB 1w@1m, with non-skid rubber feet, Speakon® connectors, black (no bracket)	4	BOSCH
MONITORS	Dynacord S 900	2 x 450 watts @ 4 ohms,High-Efficiency Power amplifier	1	BOSCH
MONITORS	MON SNAKE	Snake cable 32 ins, LENGHT= according to the placement of monitor console, splice at one end, harting or soca at other end	1	STUDIO CARE
MONITORS	SPEAKON MAIN CABLES	NL4 SPEAKON CABLES	2	STUDIO CARE
MONITORS	SPEAKON LINK CABLES	NL4 SPEAKON CABLES	2	STUDIO CARE
MONITORS	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	4	STUDIO CARE
MONITORS	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR ACTIVE MONITORS INPUT WIRING, 18 METER	2	STUDIO CARE
MONITORS	ELECTRICITY	4 AMPS NEEDED FOR MON RACK (WITHOUT THE 4 POWERED ON-STAGE SPEAKERS), 1x16A BREAKER + 1 DISTRIBUTION SOCKET	1	KALAKSHETRA
MIXING	Midas Venice 320	28 Mono-, 4 Stereo-Line-Inputs Mixing console	1	BOSCH
MIXING	REV 2496 BEHRINGER	V-VERB PRO REV2496 dual engine (4ch) Behringer	1	PRO MUSICALS
MIXING	12V Desk Lamp	LITTLITE GOOSENECK TYPE	2	BOSCH
MIXING	KT DN 504	Four channel / dual stereo compressor / limiter	2	BOSCH
MIXING	KT DN 370 EQ	Dual 1/3 octave analogue GEQ with hi/lo pass and notch filters	1	BOSCH
MIXING	INSERT CABLES	ONE 6.35 STEREO JACK (M) TO 2 XLR (M/F), 6MTR	8	STUDIO CARE
MIXING	EASIBOX 15U REF 31-E415-F	Fly Case for MIX racks, 15U WITH CASTOR WHEELS AND HANDLES	1	PRESIDENT
MIXING	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR MIX RACK	1	PRO MUSICALS
MIXING	TASCAM CD01U PRO	CD PLAYER, STEREO, RACKMOUNT TYPE WITH AUTOCUE	1	STUDIO CARE
MIXING	TASCAM322	DOUBLE CASSETTE PLAYER AND RECORDER, RACKMOUNT TYPE	1	STUDIO CARE
MIXING	ALR CABLES	RCA (M) TO 6.35 JACK ASYM. CABLES FOR CD CONNECTION, 6 MTRS	2	PRO MUSICALS
MIXING	ALR CABLES	6.35 JACK (M) TO XLR ASYM. CABLES FOR SOURCE CONNECTION, 6 MTRS	2	PRO MUSICALS
MIXING	NEUTRIK ADAPTERS	RCA (F) TO 6.35 JACK (M) ADAPTERS	4	PRO MUSICALS
MIXING	SPARE CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	4	PRO MUSICALS
MIXING		6.35 JACK (M) TO JACK (M) ASYM. SHIELDED CABLES , 4 METERS	2	PRO MUSICALS
MIXING	HF MICS CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES , 4 METERS	10	PRO MUSICALS
		HEADPHONES	2	PRO MUSICALS



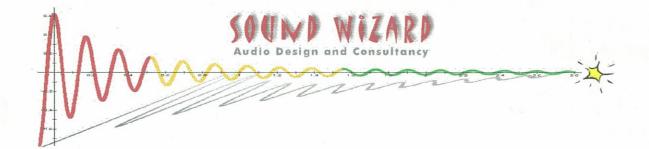
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By SOUND WIZARD

ITEMS LIST

TYPE	Model No.	ITEM DESCRIPTION	QTY	PROVIDER
FOH SOUND SYSTEM	EV XLD 281	Very Compact line-array cabinet, 2 X 8" DVN2080, 2 X ND2, 120° x 10°, black	10	BOSCH
FOH SOUND SYSTEM	EV XS 212	X-Line Very Compact Bass Cabinet, 2x DVX3120, 1000 watts, black	2	BOSCH
FOH SOUND SYSTEM	EV XLD Grid	Grid for up to 16 XLD cabinets or 8 XS212 cabinets, aluminium, black + ACCESSORIES	2	BOSCH
FOH SOUND SYSTEM	EV DX38	2-in4 digital loudspeaker processor with x-over, EQ, delay, compressor/limiter, front-panel display, PC Remote software (RACE)	2	BOSCH
FOH SOUND SYSTEM	Dynacord LX 2200	2 x 1100 watts @ 4 ohms,High-Efficiency, Class-H, SMPS for medium and treble speakers	2	BOSCH
FOH SOUND SYSTEM	Dynacord LX 3000	Cabillets	2	BOSCH
FOH SOUND SYSTEM	EASIBOX 15U REF 31-E415-F	Fly case for FOH LEFT and FF amps and processors racking, 15U WITH CASTOR WHEELS AND HANDLES	1	PRESIDENT
FOH SOUND SYSTEM	EASIBOX 15U REF 31-E415-F	CASTOR WHEELS AND HANDLES	1	PRESIDENT
FOH SOUND SYSTEM	POWERBRITE PB11	SAMSON LINE FILTER AND LIGHTS FOR FOH RACK	1	PRO MUSICALS
FOH SOUND SYSTEM	RELAY SWITCHBOX	1 IN / 2 OUTS SWITCHING BOX FOR LINE ARRAY 3 WAY SPEAKERS	2	STUDIO CARE
FOH SOUND SYSTEM	REMOTE CONTROL	1 REMOTE CONTROL FOR THE RELAY SWITCHBOX	1	STUDIO CARE
FOH SOUND SYSTEM	MAIN INPUT SNAKE	Snake cable 32 ins, LENGHT= 70m splice at one end, harting or soca at other end (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	MAIN OUTPUT SNAKE	Snake cable 8 OUTS, LENGHT= 70m splice at both ends + internal connection to harting or soca located in FOH RACK LEFT (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	XLR CABLES	30MTR SHIELDED XLR TO XLR CABLE FOR LEFT FOH RACK TO RIGHT FOH RACK JOINT, 1 FOR THE RIGHT CHANNEL SOUND AND THE OTHER FOR SWITCHBOX ACTIVATION	2	STUDIO CARE
FOH SOUND SYSTEM	MONITOR RACK SNAKE	Snake cable 4 outs length according to the position of monitor rack, splice at one end, harting or soca at other end (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	ON-STAGE SPLITBOX	SPLITTER BOX WITH 2 SOCAPEX OR HARTING PLUGS AND 32 XLR (SEE SCHEMATIC)	1	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON MAIN CABLES	NL8 TO NL4 SPEAKON CABLES, FOR BASS CABINETS	2	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON MAIN CABLES	NL8 Y TYPE SPEAKON CABLES, ONE END SPLITTED 3xNL4 FITTED FOR LO/MID/HI SEPARATION, 1MTR	2	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON LINK CABLES	NL8 SPEAKON CABLES, 1 METER	6	STUDIO CARE
FOH SOUND SYSTEM	SPEAKON LINK CABLES	NL8 TO NL8 SPEAKON FROM RELAY SWITCH BOX TOWARDS XLD281 CABINETS	4	STUDIO CARE
FOH SOUND SYSTEM	XLR CABLES	XLR (M) TO XLR (F) SYMM. SHIELDED CABLES FOR PROCESSORS AND AMP INPUT WIRING, 1 METER	12	PRO MUSICALS
FOH SOUND SYSTEM	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK LEFT (FF INCLUDED) 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1	KALAKSHETRA
FOH SOUND SYSTEM	ELECTRICITY	30 AMPS NEEDED FOR FOH RACK RIGHT 1x32A BREAKER + 2 DISTRIBUTION SOCKETS	1	KALAKSHETRA
		150W rms, 100° x 90° in horizontal underbalcony format, black	6	BOSCH
FRONT FILLS	EV ID 4.2	FRONT FILLS		
FRONT FILLS	Dynacord S1200	2 x 600 watts @ 4 ohms,High-Efficiency, Power amplifier	1	BOSCH
FRONT FILLS	SPEAKON CABLES	NL4 SPEAKON TO BARE END CABLE	2	STUDIO CARE
FRONT FILLS	LINK CABLES	BARE ENDS LINK CABLES FOR SPEAKERS, 4 MTR	4	STUDIO CARE
FRONT FILLS	SAMSON D3500 EQ	FEEDBACK SUPPRESSOR	1	PRO MUSICALS





KALAKSHETRA AUDITORIUM AUDIO EQUIPMENT LISTS

Update SEPT 13th, 2007



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SOUND WIZARD Shakti-Auroville 605 101 Tamil Nadu-India

Website: www.soundwizard.net Email: soundwiz@auroville.org.in Tel: 0413 2622659 Fax: 0413 2623410

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CHENNAI - (000 04) PH: 044-2452 1169/ 24510836.

