Professional live Consoles

\$L<<TRA E3</pre>

E3 A New Concept in Analog Automated Consoles

E3 MONITOR



MAIN FEATURES

ALTAIL 8 is the inductal evolution of other lowns. Executive consists included in the cold working hard all over the world.

The signal path, and working environment concept is full analog design with automated and recallable analog VCA's and mute functions. A small concession to the digital word is included to manage the 16 EQ and dynamics hard wired switchable sections. A display on the panel bridge complements the edit surface. The design pay special afterior to ergonomics with a revolutionary placement of the Groups section in the upper side of the control surface, with preference to the

switch. That is, all the functions of a FOH and a Monitor console are at a glance. No more confusions about connectors, faders, buses, etc, that are mode dependent. E3 simplifies the task: more auxiliary sends without loosening any of the benefits of a powerful FOH console. That is all

- FRAMES: 40/48/56 Channels fas 32/40/48 Mono + 4 Stereo]

 • 16 AUX Sends (8 Mono+4 Stereo/8 Mono),
 24 AUX (Monitor version)

 • MIX BUSES: 8 GRP + 3 MIX (LCR)

- 16 EQ (8 band paragraphic) + DYNAMICS,
 DSP based (AUX, GRP, MTX outputs)
 8 VCA Motorised Masters

- FOH/Monitor/Both 16x8 MATRIX, under digital control for a clear console layout
- All Balanced, Dual Jack Insert points
 Super 4 band EQ on Inputs (IR&L vary,
 Freq+Sht/Peak, 2 full parametric Mids
 Cable Test function on each input
 VCA Solo in AFL/PEL mode. Now, you can
 listen the VCA group
 Optional transformers on Input Channels
 ComboTM Input Connectors
 FULL Meter Bridge: LCD+24 x 20 led Bars
 4 VU-Meters
 Robust, and light weight Power Supply
 with redundant connections
- - Console linking facilities included





- 1 SEL Switches SELects the Auxiliary output to be controlled in the EQ/DYN layout. Motorised VCA faders jump to the stored EQ positions.
- 2 F1-F8 Rotary Encoders and associated lamps controls the Frequency and Q. MTX sends GRPs
- 3 F/Q switches Toggles to Q adjustment in that band. Band 1 and 8 incorporates Shelving filter mode
- 4 MUTE 1 to 8 VCA group mutes; SOLO is a powerful listen VCA solo that calis for a mix of all the assigned channels from that VCA group. When selected a VCA solo, the assigned channels SOLOs will light to indicate what are you soloing. The isten of this solo can be selected to be AFL or PL depending of the global SOLO setting. This function can help the operator to balance the individual levels of the channels of each different VCA groups, and to double check real members of that group of
- 5 VCA Moto-Faders Normally used as VCA control, serves as EQ levels and Matrix sends control.
- levels and Matrix sends control.

 6 Dynamics Blocks Selected Out
- 7 OPERATING SYSTEM KEYS Utilities page, configuration modes (for secure use, disabling parts of console). Menu, navigation, copy pagte, input data
- 8 MASTER MUTE Mutes group 1 to 8 Also used as DMA Direct access to recalled Scene.
- 9 SCENE MEMORY operations: load, save, preview, clear, scenes from memory and SD/MMC card
- 10LAYER SELECT we can select the layer that we want edit by means of these buttons VCA, MUTES, MATRIX, EQ.
- 11 KEY LOCK It blocks all control panel, rotary, faders, buttons until it is pressed and confirmed.

12SD CARD READER.

E3 incorporates VCA groups (with state of art VCA associate circuits) so you could wit from this vestalli panel, since, you can make virtual groups, without noise, automatizables, that can be stored. Electra E3 has different ways to perform a mix, You would disable certain functions for greater security in the work. Handling SCENES, you can operate with the 8 VCAS, MUTES, DSP EQ and DYNAMIC and MATBY despection on the job.

OUTPUT Section



ELECTRA



POWER SUPPLY Extensive electronic design effort has been paid in the actual proven technology, E3 pioneers this low weight, universal voltage, and 2U high converter. Forget the line fluctuations with a headroom of 90 to 265 VAC in a 6 Kg. power supply. incorporated for dual redundant operation.

CHASSIS The construction of the chassis is by structural heavy-duty aluminium is by structural neavy-duty aluminium profiles and 8 mm hard aluminium plates. Bottom cover is made of honeycomb aircraft aluminium sandwich. This panel is extremely robust and lightweight, enhancing RFI screening.

MOTOFADERS What is the sense to save in memory the VCA groups without storing the actual VCA fader positions? That is our response. All we know that the relative positions of these faders define 100% the final mix, so recallable position is a must in VCA grouping.



For maximum flexibility of applications the E3 comes in two versions all including similar functionalities:

E3

plus 4 stereo (you can install additional stereo modules if you need). The console is intended for five, broadcast or studio applications. Its 16 auxes section can be configured in mono or stereo pairs. The group section includes 8 standard mixes. An 8x16 Mathix section with analog masters is included with the benefits of digitally controlled sends specially needed in theatre and great venue events.

E3 Monitor in 3 frame sizes: 36, 44 and 52 mono input channels is intended mainly for monitor five applications, section can be configured in mono ar stereo pairs. The 8x16 Matrix section is also included. Auxes 17 to 24 can be redirected as groups to the main LRC busses permitting the use in FOH application. As in the 53, the Centre feed and LR busses can be trimmed in every channel resulting in a total of 27 auxiliary sends console.



WHAT ABOUT SECURITY?

Autorange mains power supply

- office of the control of the control
- E3 recovers seamlessly and automatically to its last settings, in a total power loss. That easy.

DYNAMIC and PARAGRAPHIC DIGITAL

EQ. Auxiliaries, groups and matrix incorporates dynamics and 8 bands full PARAmetric digital equaliser. The 8 bands are present at start-up in a distribution manner, so it is easy to start equalising from the beginning although you are in front of a powerful republished to persentific

To avoid possible confusion between LAYERS, all the switches and function leds are colour-coded.

Moreover, you can customize the Layers in the configuration Menu to enable only the ones used in the current show. As an example, in studio production or FOH operation, you only need VCA and MUTES.

On the other hand, Theatre or Monitor applications need the EQ and MTX enabled normally.

- VCA Selects the VCA layer. The 8 motorized Faders shows the VCA Fader level. The Fader position is stored and Recalled as part of the Scene memory. In this mode, the assign leds on each input channel shows the VCA group assign.
- Fader position shows the level of the 8 frequency bands of the SELected Auxiliary Out. You can edit it in real time or in preview mode.

EQ Selects the Equalization layer.

- MUTES Selects the Mute layer. The Fader position remains as in VCA control. In this mode, assign leds on each input channel shows the assigned MUTE group.
- MATRIX In this mode, you can adjust the Matrix sources (inputs) of the SELected Matrix Master 1-8. Matrix inputs: Aux 1-4, GRP 1-8, L, R, C, and external MTX Input

APLICATION EXAMPLES APPLICATION VCAS MUTES EQUIVN MATRIX. Live music ENABLED ENABLED DISABLED DISABLED DISABLED SABLED DISABLED DISABLED SABLED SAB

EDIT MODES

VCA/MUTES EDIT

Edit sequence is like similar range consoles. It is intuitive and is followed by indications on the main screen and associated key lamps. It is possible to edit with the parameter Wheel and cursors as well.

E3 software control

Allow display and control remotely E3



VCA or MUTE EDIT Example
Press VCA layer key
Press EDIT key
Select the vca group (1.....8)
Go to channels and press Solo/vca

EDIT MUTES on the FLY

At any moment, you can store the MUTE state of all the input and output channels on the desired MASTER MUTE 1 to 8 by holding it down for a while. This function erases the previous Master Mute assign.

PANEL FUNCTIONS

SD CARD don't worry about to loose your precious settings. You can insert a SD card to SAVE the actual Scene of the console, RECALL the previously saved, SAVE all the contents of the console Scenes and RECALL if from 0 to 99. A Scene stores the channel status (SOLO, ON, MUTE groups, VCA groups), VCA fader positions, EQ of all the 16 auxes, and all the console settings under digital control. Each console operator can store and recall its own settings. SD memory data can be shared between computers, PDA or internet. Sd card slot is protected with a spring loaded door for dust and moisture protection.

CLEAR

This key is contest sensitive:
EQ: Flats the level. Also restores EQ default frequency/Q factory presets
VCA: 8 faders to nominal 0 dB position
EDITING MUTE/VCA GROUPS and EDITING
CHANNEL MUTE/VCA: Resume to unassigned or blank.

KEYBOARD LOCK

This function key allows the full VCA panel to be locked to avoid non-desired operations. Fader positions and layer modes are only operational as visual indication feature, without audio effect.

DYNAMICS

This BLOCK controls the parameters of the SELected Auxiliary output (or GRP/MTX when flipped), COMPression Ratio, EXPAND Ratio, THRESHOLD

ATTack and RELease

You can use simultaneously the Compressor and the Expander by selecting a Ratio different from 1:1 in each block.

STORE

All the automated functions like EQ, VCA, MUTE, ON, etc, are Stored as Scene Memory 1-99.

RECAL

Recalls the entire scene or parts: VCA, MUTE, EQ+DYN, ON, MTX settings.

PREVIEW

This **powerful** function allows seeing quickly all the Scene parameters, previous to Recall, and during a show.

DMA

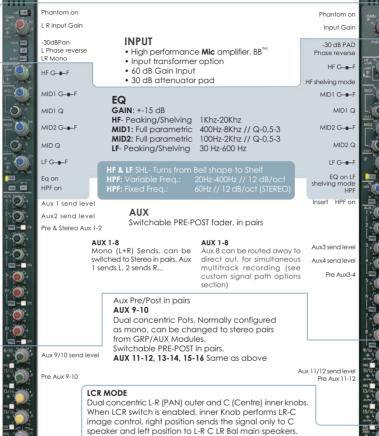
Direct Memory (SCENE) Access. This function permits a quick Recall to a previously selected Scene

COPY/PASTE

The Copy and Paste function is context sensitive

Stereo Input

Mono Input



C-a-IR Bal

Pan Group 1-2 assign 5-6

On channel Edit/ preview led Safe

Vumeter led

CPU cancel

Fader

VCA/MUTE

STE send bus C send bus 7-8

PREVIEW Led. PREVIEW FUNCTION: lights if Channel is on. PAN Subgroup assigns can routed pre or post PAN Pot.

Intermediate positions place the signal in between.

SAFE

This switch cancels out the automation Mute function. The Safe state is stored in the Scene memory automatically.

Eight segment vumeter and peak leds. Factory set to PRE fader.

Automation cancel security switch to prevent cpu abnormal operations. Note: In cpu cancel mode, channel turns to analog conventional console operation. Disabled digital functions.

SOLO SWITCH

PFL/AFL function depending on selection on MASTER module. Enables cable test. This is an ALTAIR exclusive tool. Used as VCA & MUTE assign switches.

LCR mode



Vumeter led



Grp 1-8/ Aux 1-8

ON SWITCH

Automated on/off switch. SAFE MODE: Cancels out the automation Mute function. Press and hold this switch for a few seconds.

PREVIEW Led

PREVIEW FUNCTION: lights if GRP is on EDIT MUTES: blinking when these master mute is selected MUTE: blinking if you try to switch-on in mute state

EQ FLIP

Flips the FQ/DYN section to the upper strip

EQ on/off

This switch enables the auxiliary 1 to 16 digital equalisation to take place



Matrix 1-8/ Aux 9-16

SELECT SWITCH

GLOBAL MONO

STEREO SWITCH This switch configures the

AUX Stereo/Mono

GRP 2

Selects the matrix layer on VCA panel to assian the matrix sources: Groups Gpr1-Gpr8, Aux 1-4. LCR and external input. This switch ensure a fast view and editing.





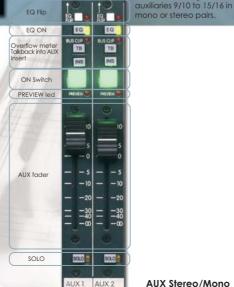
The curve display is autorange to accommodate large settings

SOLO (AFL or PFL) Automated SOLO switch. MUTE assign mode: Press this button to assign the Strip to the MASTER MUTE.

REAR PANNEL

Same as Master section.

AUX Mono



Master Module

STEREO INPUT

Stereo general purpose Line input incorporating HF/LF Eq LR/C sends and SOLO, L and R switches allows mono input Input Gain: -18 to +7 dB Multipoint clipping meter.

L and R

Input Gain

High frecuency Eq Low frecuency Eq

> Overflow and signal

Assign to LR Assian to C

Frequency adjustment X10 multiplier frequency

Talkback level

Sine generator Switch Beat/pink noise generator Select pink noise generator

XLR talkback mic input

Phantom enable Switch Talkback mic gain

Enable Talkback mic Switch

TALKBACK GENERATOR

Sine, pink noise and test signal BEAT. This BEAT is a Drum sample, very useful for room acoustics, reverb set up, loudspeakers check or Delay.

TALKBACK MIC

Exclusive SOLO: Togales between individual or SOLO group selections. Set it to Exclusive using the Cable

SOLO CLEAR

Clear all selected Solos.

SOLO MODE: Selects global mono PFL or Stereo AFL mode on all SOLO switches.

SOLO SYSTEM

S.I.P. Solo in place

PFL ADJ.

Allows level balance between SOLO PFL and AFL in the Monitor and Phones outputs

SOLO

Solo In place function

Monitoring PFL adjust



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Clear all solos

PFL global Solo AFL global solo

MONITOR

WEDGE/PHONES

Stereo Monitor level control. Allows easy control of a Wedge in monitor applications.

L and R default Cue C default Cue

Enable Monitor wedge output



Pre fader L. R send Mix L. R

Solo master B

Master B fader

MASTER B

Additional Master output. Can be set PRE or POST main MASTER.

Very useful to check the mono compatibility of the Stereo LR output.

Common rear layout for AUX, MTX, L, C, R in/out Bus Inject **Bus Output**



PHONES

A pair of paralleled Phones output located under the panel for ease phones cord handling.

Phones level





GROUP/MATRIX

Bus clipping L Bus clipping R Talkblack into LR Insert L and R

LRC BUS

Talkback Signal assignment to LR or C buses.

GRP/MTX Meter selector

Right hand meterbridge

Enables the Insert connection to take place.

CLIPPING meter

multipoint measurement.

IRC.

Main Master L-R-C faders. ALPS 100 mm K series in all the console.

Phones 1 jack

Phones 2 jack



ELECTRA E3



LAYOUT example

Panel description:

- 40 MONO INPUTS: Combo input for Mic+Line, XLR direct out, 2 Jack for Insert (Send+Return)
- 4 STEREO INPUTS: Combo input for Mic+Line, 2 Jack for Insert (Send+Return) per channel.
- 27 MIX OUTPUTS: (16AUX, 8GRP, LRC): XLR out, Bus inject Jack, 2 Jack for Insert (Send+Return)
- 8 MTX OUTPUTS: XLR out, Ext input Jack, 2 Jack for Insert (Send+Return)
- MASTER module:
 - 2 MASTER B XLR outs.
 - 2 MONITOR/WEDGE XLR outs.
 - 3 SOLO OUTPUTS: AFL-L, AFL-R, PFL. 3 SOLO INPUTS Jack. Inject for console
 - 2 EXTERNAL INPUT: Combo line
- inputs L and R.

 1 OSCILLATOR+T'BACK XLR out.
- 1 METER bridge.
- 4 LAMP XLR-4 connectors.
- 4 FAN.
- 1 POWER SUPPLY+rs 232+midi+GND post.
- 4 BLANK PANELS. Customer options. NOTE: All connections are balanced (2+)



METER BRIDGE AND LCD



All clipping meter are multipoint

- 1. AUX 1-8 LED BARGRAPH. Led bar shows the actual post fader output level. Bargraph is equipped with a total of 20 leds ranging from -30 to +18 dB and a CLIP led indicator.
- 2. AUX 9-16 LED BARGRAPH. Same as above.
- 3. LCD SCREEN. Color screen helps in console set-up and configuration. Console operation is possible in bad or null display visibility situations (direct sun rays), thanks to redundant indications by leds and motofader position. Lcd brightness and contrast controls are located near the display.
- 4. VU-METERS. Four high quality moving coil VU-meters, showing the Left-Right-Centre output level and the PFL level. When the solo is in AFL mode, indicated by a red panel label, the Centre and PFL vu-meters are replaced by the Left-AFL and Right-AFL solo levels. All four Vu-meters incorporate a CLIP led indicator.
- 5. AFL INDICATION LABEL. Shows the Vu-meter readings and the solo mode selected.
- **6.** GROUP 1-8/MATRIX 1-8 LED BRAGRAPH. This bargraph shows the output level of the GRP 1 to 8 or the levels of the MTX 1 to 8 depending on the GRP/MTX meter selection switch located on the Master module.

REAR PANELS

RS-232

This connector allows the following interfaces:

- Console Linking. By connecting to another E-3 console, the logic functions are linked together. Solo in Place, Solo, VCA and Mute automation, etc.
- PC communications. The console automated settings and Scene memories can be Stored and Recalled from an external PC computer by using the ALTAIR E3 ROC software.

This implementation grants bigger size screen display.

 Software update. Internal console CPU software can be upgraded by the user with a special set-up. Consult the factory for details.

MIDI

The MIDI connectors allow connection to other MIDI equipment to provide the following functions:

CUSTOM SIGNAL PATH OPTIONS

Internal Setup

MASTER				
PATH	OPTIONS			
C Out to MTX select	PRE-FADER			
	POST-FADER			
R Out to MTX select	PRE-FADER			
	POST-FADER			
L Out to MTX select	PRE-FADER			
	POST-FADER			

• Program change message
reception from an external
MIDI device for scene.

- Transmission of program change memory selection.
- Transmission of program change messages to external MIDI devices when a scene memory is recalled on the console.
- Reception and transmissions of another messages for automated remote control of the console.

AUX 1 TO 8				
PATH	OPTIONS	NOTES		
GRP 1-8 to MTX	PRE-FADER	Positions PRE-EQ and POST-EQ		
select. AUX 1 to 8 PCB'S	PRE-EQ	are POST fader.		
	POST-EQ			
AUX 1-4 to MTX	PRE-FADER	Positions PRE-EQ and POST-EQ		
select	PRE-EQ	are POST fader.		
	POST-EQ			

CHANNELS			
PATH	OPTIONS	NOTES	
VUMETER CONFIG	PRE-FADER	Normally configured in pre-fader	
	POST-FADER	to show internal channel level.	
DIRECT OUT	PRE-FADER	When configured as AUX-8	
	POST-FADER	Send, signal follows AUX-8	
	AUX-8 Send	jumper settings.	
INSERT POINT	PRE-EQ	In PRE-EQ, the Insert signal is not	
	POST-EQ	affected by the EQ.	
AUX 1-8 PRE config.	PRE-FADER		
	PRE-EQ		
	PRE-INSERT		
AUX 9-16 PRE	AS AUX 1-8	As Aux 1-8 means that Auxes 9-	
config.		16 in PRE, follows the Jumper	
	PRE-EQ	Settings as in AUX 1-8	
AUX 1-8 PRE. Mute	ON	ON: Auxes 1-8 are affected by	
	OFF	Mute action in PRE mode	



POWER SUPPLY

There is no need for concessions about this. E3 power supply opens up new concepts in console's power supply. It uses an actual and proven technology with higher reliability. High efficiency design results in a smaller heat dissipation, which implies a compact 2 rack units size, and only 6Kg of weight. You can work in redundant dual mode to increase your global system security.

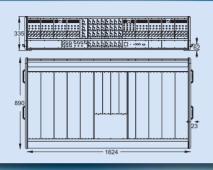
This power supply is auto range. You must only connect the mains cord and it-shelf adapts to local voltage, within a broad range of 90 to 265V. You will have no trouble working in areas with different voltages or generators power. Auto range increase your reliability. Another benefit of the PS is their green efficiency.

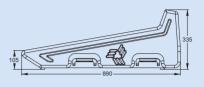




TECHNICAL SPECIFICATIONS

DIMENSIONS AND WEIGHT





	DIMENSION (Width x Heigh x Depth) mm	WEIGHT
Electra E3 32+4	1624 x 335 x 890mm	106Kg
Electra E3 40+4	1884 x 335 x 890mm	120Kg
Electra E3 48+4	2140 x 335 x 890mm	135Kg
Power supply E3	2U height (89mmX482mmX290mm)	6Kg

SPECIFICATIONS INPUT OUTPUT CONNECTIONS

INPUTS	CONNECTOR	GAIN (dB)	SENSITIVITY (dB)	MAX BEFORECLIP (db)	IMPED (Ω)	RECOMMENDED IMPENDANCE (Ω)
CH MONO IN	СОМВО	16 (60)	-14 (-58)	+4 (-40)	2K	30 to 600
		PAD -30	+16	34		
		(G 16)				
CH STEREO IN	COMBO	16 (60)	-16 (60)	+4 (-35)	2K	30 to 600
		PAD-30	+14	+34	i	
		(G 16)				
T'BACK MIC	XLR F	16 (60)	-10 (-54))	+7 (-35)	2K	30 to 600
STEREO EXT IN L, R	COMBO	50	-5	+15	20K	600
BUS INJECT L, R, C, GRP1-8, AUX 1-16 (-24*)	JACK		+4	+24	20K	600
BUS INJECT MTX 1-8				+20		
SOLO INJECT PFL,	JACK		+4	+24	20K	600
AFL L, AFL R						
INSERT RET CH MONO	JACK		0	+21	20K	600
INSERT RET CHISTE	JACK		0	+20	20K	600
BUS INSERT L, R, C, GRP1-8, AUX 1-16 (-24*), MTX 1-8	JACK		0	+20	20K	600

OUTPUTS	CONNECTOR	NOMINAL (dBu) REF 0dB	MAX (dB)	IMPED.	RECOMMENDED IMPEDANCE (\(\Omega\))
CH MONO DIRECT OUT	XLR M	+4	+24	100	>600
BUS L, R, C, GRP1-8, AUX 1-16 (-24*)	XLR M	+4	+24	100	>600
MONITOR/ WEDGE L, R	XLR M	+4	+24	100	>600
MASTER B L, R	XLR M	+4	+24	100	>600
OSC+T'BACK	XLR M	+4	+4	100	>600
PFL, AFL L, AFL R	XLR M	+4	+24	100	>600
INSERT SEND CH MONO	JACK	0	+21	100	>600
INSERT SEND CH STEREO	JACK	0	+21	100	>600
INSERT SEND BUS L, R, C, GRP1-8, AUX 1-16 (-24*),	JACK	0	+19	100	>600
MTX 1-8		+4	+17	100	>600
PHONES 1, 2	JACK	40 mW (64 Ω) 13 mW (600 Ω)	600 mW (64 Ω) 200mW (600 Ω)	32	32-600

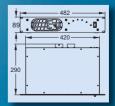
OTHERS	CONNECTOR	NOTE		
CONSOLE				
POWER SUPPLY DC INPUT	Socapex™ MALE	5 meters long power DC cable. Included		
MIDI IN	DIN5p			
MIDI OUT	DIN5p			
MIDI THRU	DIN5p			
RS232	DSUB-9p			
CHASIS GROUND	5 binding post			
LAMP	XLR 4p	Pinout: pin 4 +12 v, pin 3 pin 1 and 2 not connected		
POWER SUPPLY				
POWER SUPPLY MAINS	IEC	To the mains, Included		
DC IN	Socapex™ FEMALE	From redundant POWER SUPPLY. Link connector		
DC OUT	Socapex™ FEMALE	To console		

POWER SUPPLY SPECIFICATIONS

- Universal Voltage. Auto-range.

 Power Factor: 0,99 Meets EN61000-3-2 in terms of Harmonic Distortion
 Inrush Current 40 A peak max
 Power output +17/-17 VDC/11 Amp max
 12 VDC/10 Amp max

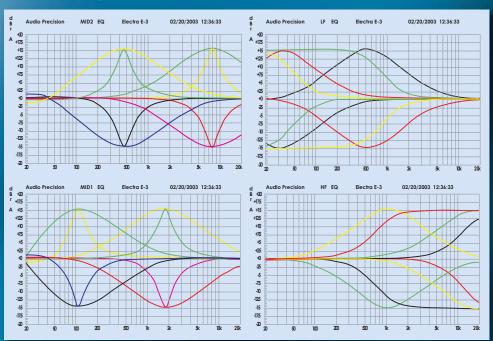
- Radiated EMI: Meets CISPR 22, EN55022 Level B
- · Leakage current: 2.0 mA max @240 VAC
- Ambient Temperature Range: 0°C to 50°C max



GENERAL SPECIFICATIONS

HARMONIC DISTORTION:	Less than 0,05% from 20 Hz to 20 KHz with -30 dBu input and +4dBu output @ 600 Ohm.
FREQUENCY RESPONSE:	20 Hz - 20 KHz (-2, -0.5 dB), microphone input, 35 dB gain.
NOISE:	128 dBu (E.I.N.), -82 dBu in the L-R output with master to unity gain & 24 channels assigned.
MIC GAIN (pad off):	82 dB to L-R, 92 dB to L-R from one group, 82 dB to group & 84 dB to auxiliary output.
LINE GAIN (pad on):	52 dB to the L-R output, 52 dB to the group output, 54 dB to aux. output.
CROSSTALK:	-85 dB between groups (1 KHz), -85 dB between adjacent channels (1 KHz).
INPUT CH. EQUALISER:	+/- 15 dB HF - Peaking/Shelving (SHV only on STO ch) 1KHz – 20 KHz. +/- 15 dB MID1 - Full parametric 400 Hz – 8 KHz // Q: 0,5 - 3. +/- 15 dB MID2 - Full parametric 100 Hz – 2 KHz // Q: 0,5 – 3. +/- 15 dB LF - Peaking/Shelving (SHV only on STO ch) 30 Hz – 600 Hz.
INPUT CHANNEL HPF:	Continuously variable, 12 dB per octave 20 Hz - 400 Hz.
AUXILIARY EQUALISER:	8 bands full parametric/shelving digital equaliser. Propagation delay 1,4 ms +15/-30 dB; 20 Hz – 20 KHz // Q: 0,1 –10
VUMETERS:	24 bargraph (16 points) - 4 moving coil (L-C-R-PFL) - Graphic colour lcd display.
POWER SUPPLY:	+17, -17, +12, +48 VDC 600 Watts. Connector for redundancy.
OPTIONS:	Input channel transformer. Lamps. Flight Case. Output transformer.

INPUT CHANNEL EQUALIZER CURVES



E₃ Monitor

Applications includes on-stage live monitoring and hybrid technics. In Ear Monitoring plus wedge is a fact thanks of its 27 total auxiliaries. Helpful tools like digital paragraphic EQ, to cancel out stage feedbacks and DYNamic section for an extra IEM hearing protection are included. E3 Monitor operates also as FOH, thanks to the aux 17 to 24 sends to LRC main busses, creating virtual groups.

- All the E-3 FOH version features and more:
- FRAMES 36,44 and 52 mono CH
- MONO INPUT CHANEL STRIP
 EXCELENT BBTM MIC-AMP
- 4 FULL PARAMETRIC EQ POINTS+var HPF
- (LF.HF peak/shelving)
- CABLE TEST feature in all input channels
- . 8 VCA. 8 MASTER MUTE
- 100 mm ALPS K fader
- 16, EQ (8 band paragraphic)+DYNAMICS strip, DSP based (AUX 1-24, MTX outputs) TOTAL 27 AUX count:
 - 24 AUXES . Pre/post Eader in pairs · 8 MONO
 - · 4 STEREO Switchable to 8 mono · 4 STEREO

 - 3 MIX OUTS: L-C-R

24 Aux/ Matrix Section







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