

Product Specifications

HP-EIGHT

Frequency Response	20Hz – 20kHz • +0/-0.5dB (Ref 1kHz) Any input to any output
THD+Noise	Input to Group or Main Output (Left/Right/Mono) <0.01% THD 20Hz to 20kHz at +15dBu out
Noise	(22Hz to 20kHz) Mic EIN: <-127 dBu Bus Noise: Better the -80dBu (32 Chan Routed) Residual Output Noise <-90dBu
Crosstalk	Channel Mute >90dB Channel Routing >85dB Channel fader attenuation >85dB Aux Send attenuation >80dB
Phase Shift	<+/-30 degrees 20Hz to 20kHz mic in to main out
XLR Inputs	2k5 ohms Balanced Max Voltage Gain: Mic-In To Group To Left/Right Balanced Out= 90dB
Main Outputs	L/R/Mono: 100Ω Balanced Male XLR • Max Output= +28dBu Aux/Group: 50Ω Gnd-Compensated/Impedance Bal TRS • Max Out= +22dBu
Insert Points	TRS Jack • Tip= Send, Ring= Return Channel Insert Level= +4dBu Bus Insert Levels= -2dBu
Power Supply	Internal: 100-240 VAC, 50/60 Hz via IEC Mains connector External: 7-Pin DC Connector provided for redundant PSU

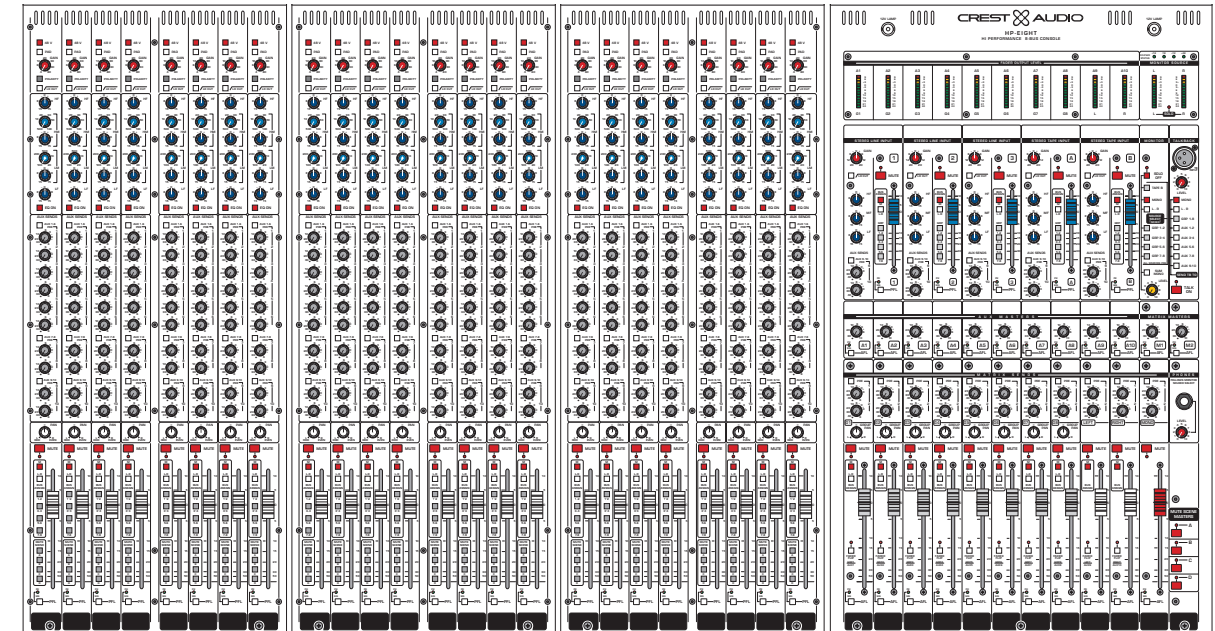
Dimensions: HP-EIGHT/24	Inches: 46.5 X 28 X 9	MM: 1175 X 702 X 229
Weight: HP-EIGHT/24	72 lbs 33 kG	
Dimensions: HP-EIGHT/32	Inches: 56.5 X 28 X 9	MM: 1424 X 702 X 229
Weight: HP-EIGHT/32	90 lbs 41 kG	
Dimensions: HP-EIGHT/40	Inches: 66 X 28 X 9	MM: 1673 X 702 X 229
Weight: HP-EIGHT/40	110 lbs 50 kG	
Dimensions: HP-EIGHT/48	Inches: 76 X 28 X 9	MM: 1922 X 702 X 229
Weight: HP-EIGHT/48	125 lbs 57 kG	
Dimensions: HP-EIGHT/56	Inches: 86 X 28 X 9	MM: 2171 X 702 X 229
Weight: HP-EIGHT/56	145 lbs 66 kG	

Dimensions are Width X Depth (Front-to-Back) X Height
Rounded up to nearest 1/2 Inch or nearest MM



HP-EIGHT

Hi Performance 8-Bus Console



INTRODUCING THE CREST AUDIO HP-EIGHT MIXER:

Bridging the world between high quality audio design and efficient construction techniques, the Crest Audio HP-Eight enters the market filling the increasing needs of the professional install and portable markets. Backed by a five-year warranty, the HP-Eight follows the tradition of high audio quality and reliability as established by all previous Crest Console products.

FEATURE OVERVIEW:

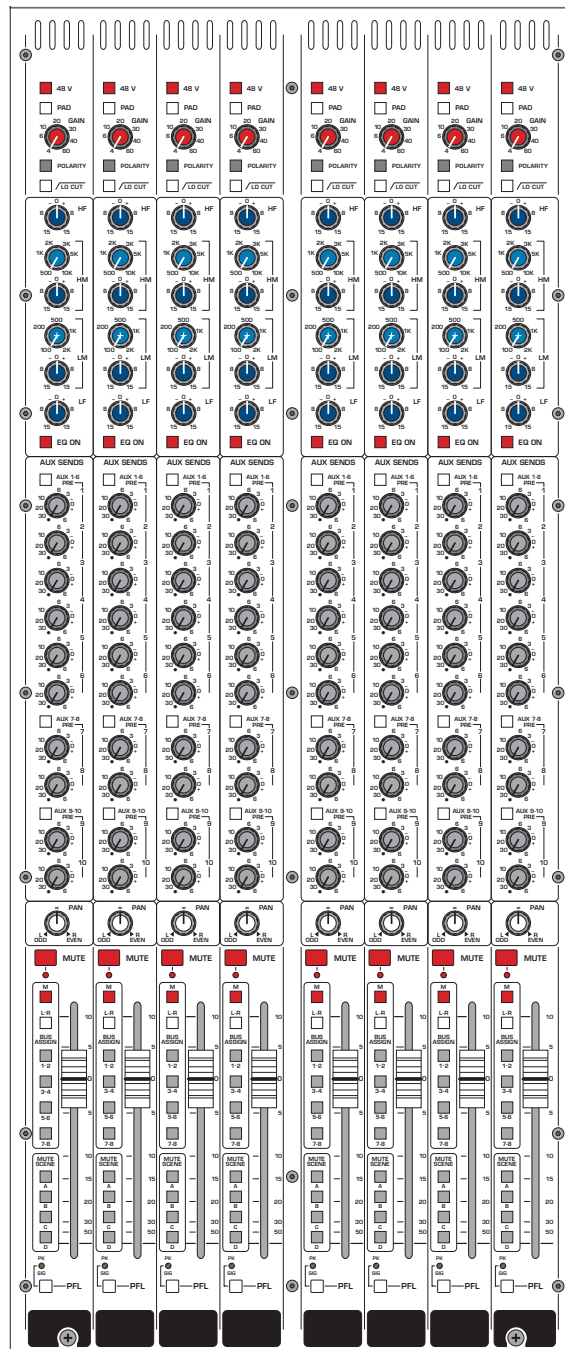
- 24, 32, 40, 48 or 56 Mono input channels – 8 analog subgroups – 10 auxes – Left, Right & Mono outputs
- 5 Stereo Line Inputs on 60mm faders with EQ, assignment and 2 aux sends
- Mono input channels have individual 48-volt phantom power, pad, polarity reverse and lo-cut filter switches, with a 4-band equalizer featuring hi and low shelving and 2 overlapping bands of swept mid frequencies
- 10 independent Aux sends on the mono input channels allows the HP-Eight to be used as a monitor mixer
- "Fader flip" function on aux outputs places aux masters on 100mm faders in place of groups & L/R
- 100mm high-quality faders on mono inputs, groups and separate left, right, and mono outputs.
- 4-channel scene mute system with master switches and LED indicators
- Full talkback and monitor systems
- Modular input blocks of 8 channels for ease of service
- Internal, universal power supply with DC connector for external, redundant supply
- 2 channel matrix system fed pre or post from all 8 subgroups and the 3 main (L/R/Mono) mix buses
- Designed and manufactured in the USA by the same people who brought you the Century Series, X-Series, X-Rack Series, and V12 consoles
- Five-Year Warranty



Crest Audio reserves the right to make improvements in manufacturing or design which may affect specifications.
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INPUT MODULE BLOCK

Five models of the HP-Eight Console are available with 24, 32, 40, 48 or 56 Mono Input channels. Input modules blocks are assemblies made up of 8 channels. Each channel includes switches for: 48-volt phantom power, pad, polarity and lo-cut filter, in addition to an input gain control.

Four-band EQ is provided with fixed high and low frequency points, with sweep frequency control of the two mid bands. The entire EQ circuit can be bypassed by disengaging the EQ ON switch.

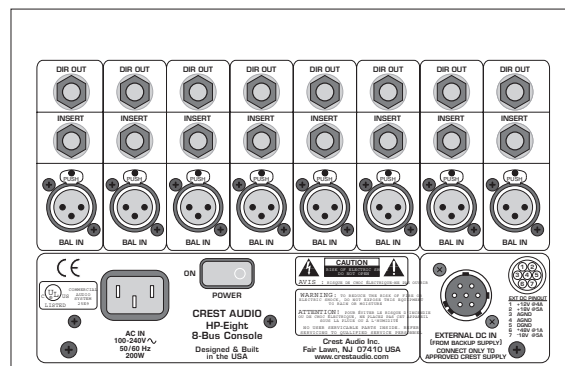
10 auxiliary sends are divided into 3 versatile sets with each set having its own pre/post fader switch. Pre or Post fader selection can be chosen in groups of 2, 4, 6, 8 or 10. Both pre and post sends are automatically muted when the channel is muted. The default PRE selection is Pre-fader/Post-EQ, but internal options allow this selection to be changed to Pre-EQ.

Bus assignment switches are provided for panned access to the Left-Right buses as well as analog subgroups 1-2, 3-4, 5-6, 7-8, along with direct assignment to the Mono mix bus.

In addition to local channel muting, a 4-channel scene mute system is provided with master switches and LED indicators (See Master section). A high quality 100mm fader is used for channel level control, and a PFL switch with peak and signal present LED indicator is provided for channel level status and monitoring.

HP-Eight uses contemporary construction methods and adheres to the highest standards of engineering design. High quality componentry is used throughout. The HP-Eight is powered by an internal switching power supply, designed to work on worldwide voltages at 50 or 60 Hz. In addition, a DC connector is provided for attachment to an optional, external backup supply for worry-free, redundant operation. Supply switchover is automatic, no additional hardware is needed, it is already built into the HP-Eight.

Crest Audio backs the HP-EIGHT with the same Industry-leading, Five-Year warranty as its larger Consoles. If service is ever needed, module-blocks are easily removed from the chassis for quick swap and repair, no bottom-side access is needed.



MASTER MODULE BLOCK

The Master Module block contains the main audio buses and their associated controls, stereo inputs for effects and program material playback, and master functions including monitoring and talkback.

Eight analog subgroups are provided with left/right/mono assignment and pan control to the console's main outputs as well as separate level controls to a two-channel matrix system. Separate 100mm faders are provided for the 8 groups as well as the Left, Right, and Mono outputs.

Control and monitoring of the 10 auxiliary buses is provided, with additional "fader-flip" capabilities which enables the aux output level to be controlled by either the default rotary control, or by the 100mm fader normally assigned to the group and L/R. The main LED meters always follow whatever signal is controlled by the main fader. This allows the HP-Eight to be used as a monitor console with 100mm fader control and full metering of the 10 main (Aux) outputs.

Full talkback control is provided to all auxiliary outputs, as well as to all subgroups and main outputs. An extensive monitor system is provided which allows every input and output to be selectively listened to for monitoring of levels and signal content. LED output metering provides monitoring of the Console's fader signals (Group or Aux/LRM), with an independent pair of meters for solo indication (PFL or AFL).

Five stereo line inputs are provided on 60mm faders, each with bus assignment, aux sends, 3-band stereo EQ plus lo-cut filter, and an input gain control.

The versatility of this master section allows the HP-Eight to be used in numerous applications from Front of House to Monitors, in locations ranging from permanent installations in Churches to being part of a portable rental equipment inventory.

Crest has taken their Console expertise and applied it to a new, compact-format design. The HP-Eight delivers legendary Crest sound at an even more affordable price.

