

CENTURY SERIES



Technical Data Sheet

TECHNICAL SPECIFICATIONS

FREQUENCY RESPONSE	
+0.0, -0.5dB, 20Hz to 20 kHz (referenced to 1kHz)	
TOTAL HARMONIC DISTORTION	
(Mic input to Group output)	
20Hz to 20 kHz at +15dBu	<0.01%
NOISE (22Hz to 22kHz)	
Mic EIN	-129 dBu
Mix Bus Output Noise (20 ch routed)	- 80 dBu
Aux Bus Output Noise (20 ch routed)	- 80 dBu
CROSSTALK (Measured at 1kHz)	
Channel Mute	>102 dB
Channel Fader Attenuation	> 96 dB
Channel Routing	> 85 dB
Channel Aux Send Attenuation	> 93 dB
INPUT/OUTPUT IMPEDANCES	
Mic Input	4kΩ balanced
Line Input	>10kΩ balanced
Outputs	140Ω balanced
INPUT/OUTPUT LEVELS (0VU = +4 dBu, 1.23V RMS)	
Mic Input Sensitivity	+ 4 to -62 dBu
Line Input Sensitivity	+ 12 to -38 dBu
Input Insertion Point Level	+ 4 dBu
Output Insertion Point Level	- 2 dBu
Nominal Output Level	+ 4 dBu
Maximum Balanced Output Level	+28 dBu

CONFIGURATIONS

All Century Vx Consoles are available with optional stereo input modules.
Century Vx Consoles are available in the following configurations:
EIGHT SUBGROUP - 20, 32, 40, OR 52 INPUTS

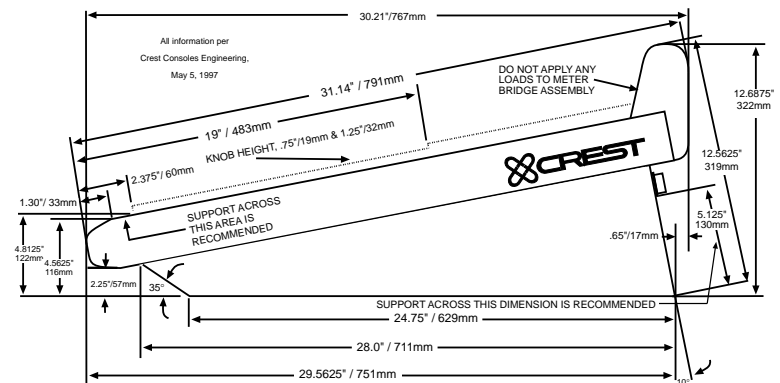
DIMENSIONS

The following table contains net dimensions for all Century Vx consoles. (L x W x H)

Frame Size	Imperial	Metric	Weight Net lbs./kg
32	44" x 30.21" x 12.75"	1100 x 767 x 324mm	146/66.3
44	58" x 30.21" x 12.75"	1460 x 767 x 324mm	230/104.4
52	67" x 30.21" x 12.75"	1700 x 767 x 324mm	275/24.9
64	82" x 30.21" x 12.75"	2070 x 767 x 324mm	295/133.9

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Load support recommendations have been supplied to assist in road case construction.



Architect's & Engineer's Specifications - Century Vx

The Vx live sound console shall be constructed in a modular fashion and be housed in a steel frame of (32, 44, 52, or 64) module positions. Vx Consoles shall include an 8 channel VCA level control system as well as an 8 channel audio subgroup system. The console shall utilize XLR-type lighting device connectors with dimmer system. A meter bridge using mechanical meters with solid state illumination shall be included. Signals to be monitored include Left, Right, Mono (Center), Stereo Solo and 8 Group output frames, 8 Auxiliary output meters are also provided. The Vx live sound console shall feature a defeatable Left-Center-Right (LCR) panning system on input and group modules. • On each input channel: all microphone inputs shall be electronically balanced and accessed via XLR connectors and have an EIN of -129 dBm. All input channel line inputs shall be electronically balanced and accessed via 1/4" TRS jacks. Input module insert and return points shall be via individual 1/4" jacks and controlled by a front panel switch with LED. Additional input controls include: a +48 volt Phantom Power switch, a -15 dB Pad switch (-20 dB for stereo input channels), adjustable High Pass Filter control (20-400Hz) with on switch and LED, a Polarity Reverse switch with LED, and 4-band sweep EQ (LF- 40-800Hz, LMF- 100Hz-2kHz, HMF- 400Hz-8kHz, HF- 1.5k-20kHz) with Peak/Shelve switches on the high and low EQ bands, switchable bandwidth on low-mid and high-mid bands, and an EQ In switch with LED. Each input channel shall also have a FET-controlled Mute switch with LED, affecting all assigned outputs including Auxiliary sends. The mute system may be defeated to the auxiliary sends by use of an internal jumper system. Assignment switching is provided to the following output sections: Left/Right, Mono, Subgroup 1, 2, 3, 4, 5, 6, 7 and Subgroup 8. An LCR switch shall reconfigure the Left/Right and Mono assignment system to a true Left-Center-Right mix system. A Pan On switch will allow conventional panning between any odd and even subgroup assignment regardless of the position of the LCR configuration switch. A 5-segment Signal level LED indicator will be provided on Mono input modules, including a multiple sample point peak LED to monitor signal levels. Input modules will also include a Solo switch with LED indicator, 8 VCA group assignment switches, 4 Scene Mute preset switches, Scene Mute Safe switch with LED, and a 100mm fader. Each input channel shall have eight Auxiliary send level controls. Each Aux Send shall have the ability to be turned on and off by pressing its associated send knob. A bi-color LED will indicate the status of the send: Green=Aux switched on, Red=Aux switched on but send muted, LED Off=Aux switched off. Signal source of each Aux mix bus is normally post channel fader but may be globally changed to a pre fader source from eight individual switches within the master section. Individual channels may be removed from the global pre/post fader signal source as well as Aux Mute control by a series of internal jumpers on each input module. • The 8 VCA group assignment switches will allow each channel to be controlled by any or all of the VCA group faders. A VCA bi-color LED will show VCA control voltage with increasing green intensity, and will turn red when VCA control limiting is reached. The Aux sends shall be globally switchable pre or post fader with internal jumpers to select pre or post EQ and pre or post mute. There shall be an Aux 8 Direct switch that allows the Aux 8 send knob directly to control the output of the 1/4" direct output connector. There will also be an Aux 8 Pre switch which allows Aux 8 to be switched pre fader independently of the global switch. Optional Stereo input modules with similar features will be available. • Each Group module shall have VCA Group and Audio Group mixing sections, and a Matrix section. The VCA Group section shall have a Mute switch and Unity LED indicator. • The Audio group mix section of the module shall have a Pan control, a Mute switch with LED, Matrix meter switch, assignment switches for Left/Right and Mono with an LCR configuration switch, a Fader Reverse switch with LED that allows the group fader to control the level of the matrix output, a Solo switch, dynamic signal present LED and peak LED, and a 100mm fader. Each Audio Group mix section will have group insert connections. • The Matrix section shall have controls for Group to Matrix Levels (G1-G8), L/R level to Matrix, Mono and External level to Matrix, Talkback to Matrix (w/LED), Peak/Signal level LED. The Matrix section shall also have a Stereo Program switch (w/LED) to switch the L/R signal source to the Stereo Program input, a Solo switch, and a master Matrix Out level control. • The master section shall have the following features: eight Aux master controls with associated Global Pre, Solo and Mute switches, a 100mm fader for each of the Left, Right, and Mono (Center) master outputs with insert connections, an assignable Talkback system, Monitor control system (with balanced XLR output), Stereo Program input section with EQ, and a Scene Mute Master switch section, each with LED. • The power supply shall be housed in a 14 gauge steel chassis and provide ±20V, +24V, and +48V to the console. The power supply shall have the ability to be daisy-chained to additional power supplies to provide a redundant operating environment. Connection of two or more power supplies shall not require additional hardware other than an interface cable. The live sound console shall be: the Crest Audio Century Vx.

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