

CENTURY SERIES

LM



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
Group Output Noise (20 ch routed) -80 dBu

CROSSTALK (Measured at 1kHz)
Channel Mute >102 dB
Channel Fader Attenuation >96 dB
Channel Routing >85 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

Century LM Consoles are available in the following configurations:

LM-12 (12 MONO OUTPUTS)
12, 20, 28, 32, 40, or 52 inputs

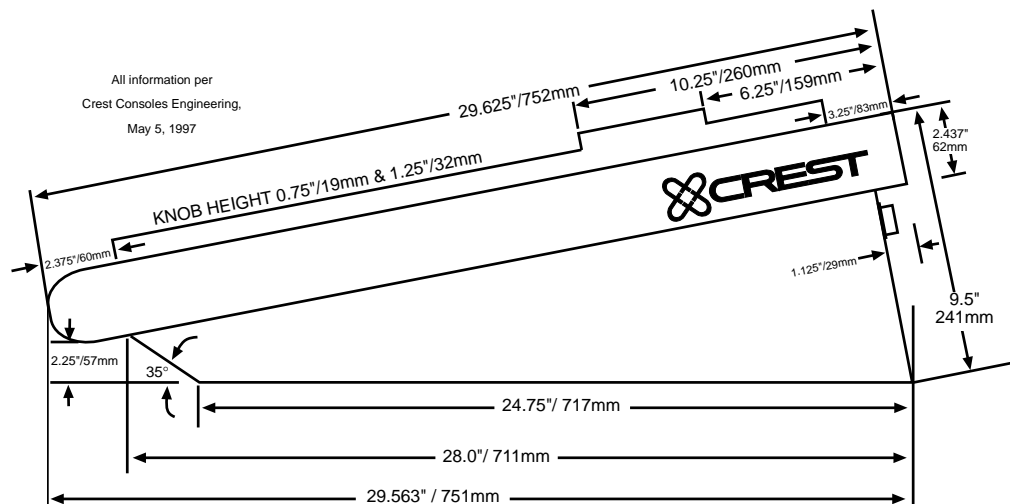
LM-20 (20 MONO OUTPUTS)
12, 20, 28, 32, 40, or 52 inputs

DIMENSIONS

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

| Frame Size | Imperial | Metric |
|------------|---------------------|--------------------|
| 24 | 34" x 29.63" x 9.5" | 850 x 753 x 241mm |
| 32 | 44" x 29.63" x 9.5" | 1100 x 753 x 241mm |
| 40 | 53" x 29.63" x 9.5" | 1350 x 753 x 241mm |
| 44 | 58" x 29.63" x 9.5" | 1460 x 753 x 241mm |
| 52 | 67" x 29.63" x 9.5" | 1700 x 753 x 241mm |
| 64 | 82" x 29.63" x 9.5" | 2070 x 753 x 241mm |

All specifications subject to change without notice. © 1997 Crest Audio Inc.

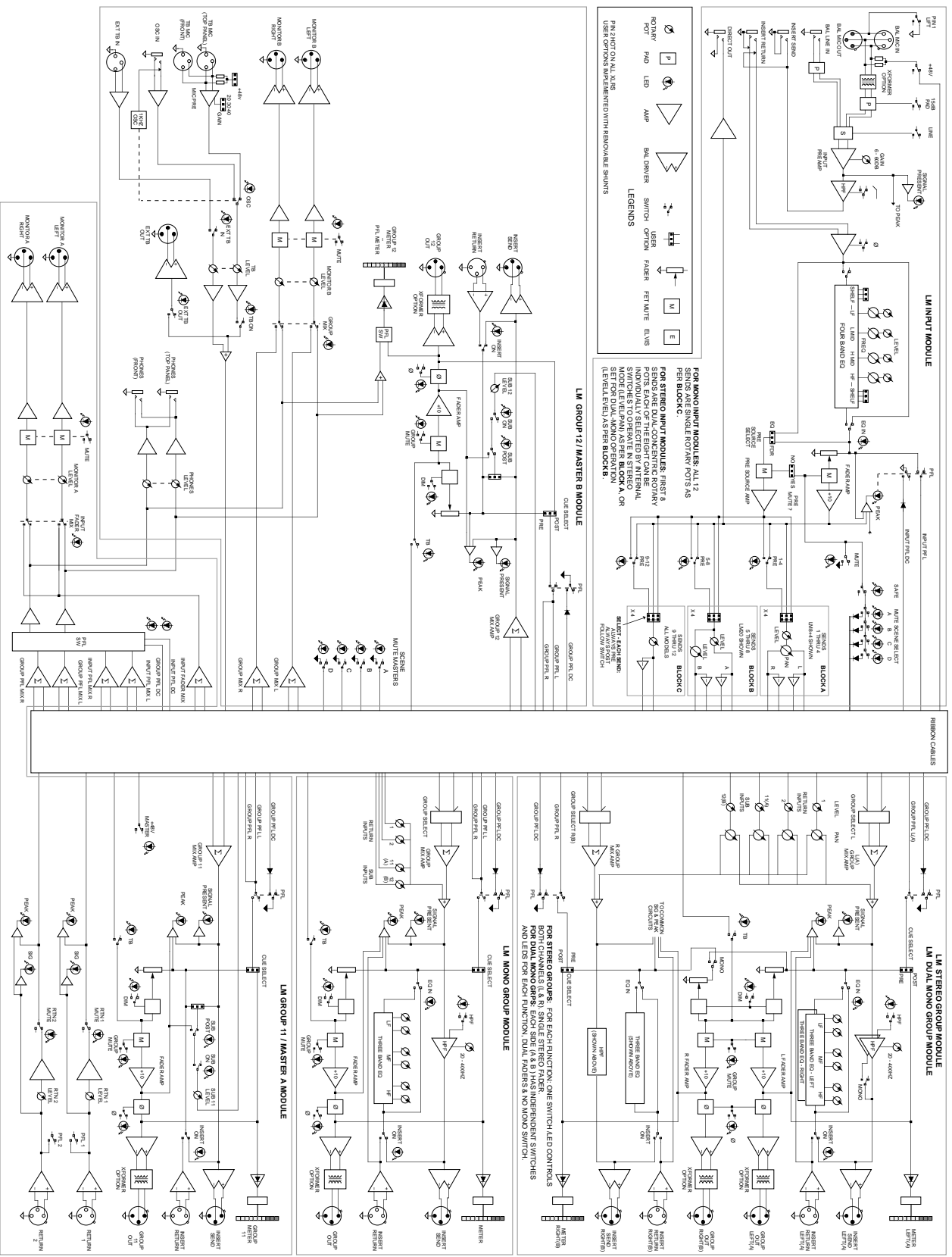


All information per
Crest Consoles Engineering,
May 5, 1997

Architect's & Engineer's Specifications - Century LM

The live monitor console shall be constructed in a modular fashion and be housed in a steel frame with molded plastic side panels. The console shall be black with white labeling and utilize XLR lighting device connectors. All microphone inputs shall be electronically balanced and accessed via 3-pin XLR connectors and have an EIN of -129 dBm. All line inputs shall be electronically balanced and accessed via 1/4" TRS jacks. The insert points shall have discrete send and return connectors. Each input channel shall have: a +48 volt phantom power switch, a -15 dB mic pad switch, a 100Hz high pass filter switch, a polarity reverse switch and 4-band (LF-40-800Hz, LMF-100Hz-2kHz, HMF-400Hz-8kHz, HF-1.5k-20kHz) sweepable EQ with selectable peak/shelve settings on the high and low controls and an EQ In switch. Each input channel shall also have: a FET controlled (10 millisecond ramp) mute switch with LED, A dynamic signal present LED and peak LED, 4 scene mute switches (A-D) each with LED, scene mute safe switch with LED and a 100mm long throw fader. Each input channel shall have output send controls appropriate to the specified model. Each bank of four rotary controls shall have an associated pre switch which shall be internally selected to operate as pre/post EQ or pre/post Fader; this selection shall apply to all three pre switches on the input. Each of the send controls shall be internally selectable to operate in one of three modes: follow its associated pre switch, always pre or always post. The console shall be available in 12 output or 20 output configurations. Each output shall have a ten-segment LED array, three-band sweepable EQ, EQ-In switch, variable high-pass filter, polarity reverse, insert switch, talkback enable, dim, peak & dynamic signal present LEDs, local mute and PFL. The mono outputs shall have mono EQ, the stereo outputs shall have stereo EQ; while the dual mono outputs shall have stereo EQ but with separate A/B EQ In switches. The master section shall be contained within mono outputs 11 and 12 and shall contain: a talkback system, scene mute master controls, return master controls and two stereo local monitor controls, connections for headphones, talkback mics, external oscillators as well as indicators for power, input and output PFL. The standard power supply shall be housed in a 14 ga. steel chassis that shall occupy two 19" rack spaces. The power supply shall have the ability to be daisy-chained to additional power supplies to provide a fail-safe operating environment. Connection of two or more power supplies shall not require additional interface hardware other than the provided cable. The live monitor console shall be: the Crest Audio Century LM.

Crest Audio specifications are available in electronic form on our website: <http://www.crestaudio.com>



Century LM Console Block Diagram
 Crest Audio reserves the right to make changes or improvements
 in manufacturing or design which may affect specifications.



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