

MB-652-DUO

Monitoring Bridge

Dual 3G / HD / SD SDI with AES and Analog Audio monitoring bridge

The MB-652-DUO monitoring bridge is a compact, 2RU audio monitoring bridge for embedded audio, along with AES and Analog audio. Designed to meet the demands of broadcast audio monitoring requirements, the MB-652 is capable of de-embedding up to 16 channels of audio from an incoming SDI signal. The audio monitoring bridge provides both visual and aural monitoring with built-in front panel display and speakers.

16 digital VU/PPM meters monitor all 16 channels of embedded audio, while an intuitive control surface provides easy channel source and mode selection for the built-in speakers. A meter and numerical display provides loudness measurements according to ITU1770/1771 LKFS. Additional information such as true peak, input signal data, and input type are also displayed on screen.

High quality, full-range speakers, along with a high performance class D stereo amplifier, offers excellent sound quality suitable for any monitoring environment. The front panel also includes a volume control and a 1/4 inch headphone jack. The rear of the MB-652-DUO provides two SDI inputs with re-clocked SDI outputs, AES and Analog audio inputs, and 2 channels of analog audio outputs.

FEATURES

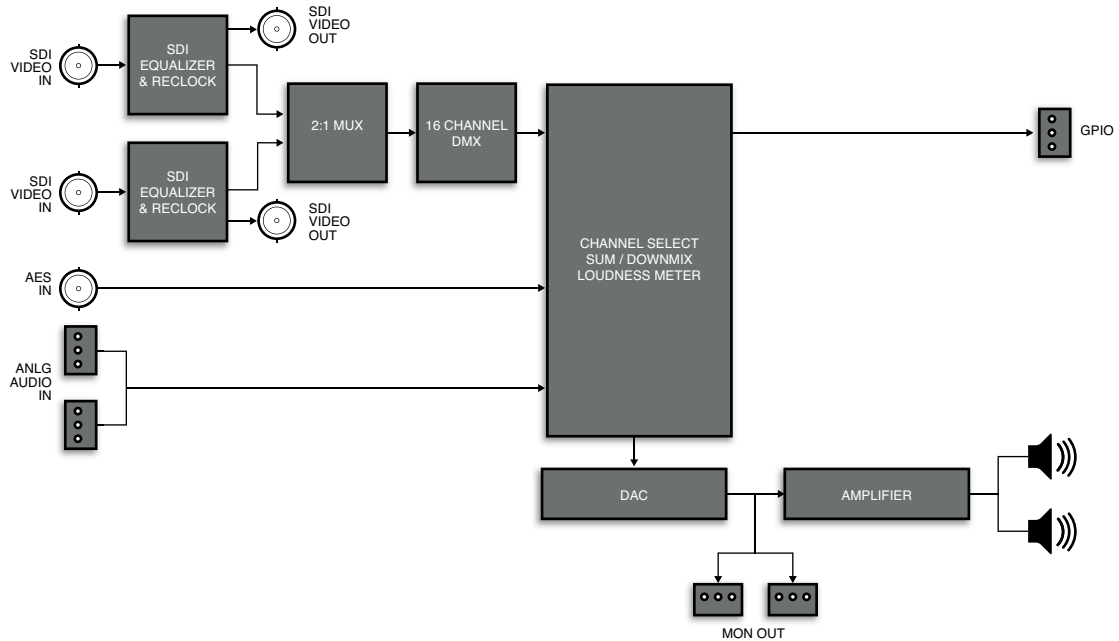
- Dual 3G / HD / SD SDI inputs with integrated 16 channel de-embedder
- Monitoring of up to 16 channels of embedded audio
- AES Input
- Analog Audio Input
- Re-clocked SDI output
- High Power Class D Stereo Audio Amplifier
- Onboard 5.1 Surround sound Left/Right down-mixer
- True Peak VU or LKFS Loudness level display, with full 16 channel monitoring display
- Redundant Power Supply Option
- Headphone and Analog Audio Outputs
- Easy audio source and mode selection
- Ethernet connection to DashBoard Control System for monitoring, control, and software upgrades
- 1-year transferable warranty

Ordering Information

Model #	Description
MB-652-DUO	Audio Monitoring Bridge
PS-MB-650	Redundant or Spare Power Supply for MB-65x Series



Functional Diagram



Specifications for MB-652-DUO

CATEGORY	PARAMETER	SPECIFICATION
SDI Input and Output	Number of SDI Inputs	2
	Number of SDI Outputs	2
	Standards Accommodated	Re-clocked SMPTE 259M, SMPTE 292M, SMPTE 424M
	Connector Type	75ohm BNC
	Signal Level	800mV nominal
	Number of AES Inputs	1
AUX Inputs	Number of Analog Audio Inputs	1 stereo
Analog Audio Monitor Output	Number of Outputs	1 Stereo
	Connector Type	3-pin terminal blocks for left and right output
	Output Reference Level	-20dBFS = +4dBu
	Output Frequency Response	+/-0.5dB 20Hz to 20kHz
	Analog Output Distortion	<0.01% THD + N (20Hz to 20kHz)
Dimensions	Width	19" (48cm)
	Height	3.5" (9cm)
	Depth	8.5" (22cm)
	Weight (approximate)	8lbs (3.6kg)
Power	Power Consumption	90-240 VAC, 50/60Hz, 90W