

SurroundMonitor 10860-VID

8-channel rack mount audio vectorscope

- For monitoring level, correlation, volume and balance of surround signals
- Rack-mount version of the SurroundMonitor, fits in standard 19" installation racks for waveform monitors
- Front panel in matching colour and design
- 8-channel peak level and loudness meters
- Surround sound analyzer for 3/1, 3/2 and 5.1 formats
- Sound balance and overall volume displays
- Indicators for centre presence and phantom sound sources
- 10-way correlator display with low-frequency analysis
- 31-band audio spectrum analyzer for individual channels or channel groups
- 2 and 4 channel real-time audio vectorscope
- AES/EBU status monitor

Audio instruments designed specifically for video studios

The SurroundMonitor 10860-VID is designed specially for monitoring multi-channel and surround audio signals in video studios. Based on the SurroundMonitor 10800X, its colour scheme and housing format are configured to match the standard 19" rack units used in video studios, such as the WFM7F05 from Tektronix®. It can be combined with a waveform monitor to configure a compact unit for monitoring both video and multi-channel audio signals that will satisfy the wishes of even the most demanding studio engineers.

Features

The specifications and features of the SurroundMonitor 10860-VID are basically the same as those of the standard 10800X unit. In addition to the 8-channel peak level meter the SurroundMonitor also features a surround sound analyzer, which provides a highly informative display for monitoring sound balance and the surround effect of surround programmes. The volume display options with SPL(A) calibration, Leq(A)/(C) display and Dialnorm also make the unit very attractive for use in DVD productions and film soundtrack mixing. The 1/3 octave audio spectrum analyzer is included as standard equipment; it measures the spectrums of individual channels or channel groups and the frequency range of the LF channel can be switched from 5 Hz to 5 kHz.

Connections

After the unit has been installed in the rack the analog and digital audio signals are connected with two 25-pin



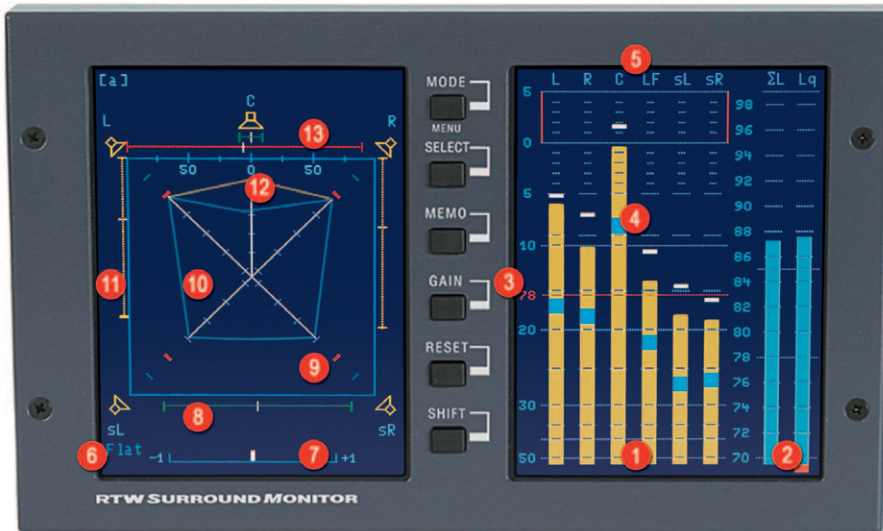
10860-VID with 5.1 surround peak meter, total SPL, Leq(A) and surround sound analyzer (left display) for monitoring the balance of surround programs.

Sub-D connectors. The unit requires a 24 V power supply – a matching power supply unit is available as an accessory. The key functions of the SurroundMonitor can be controlled remotely via the unit's parallel control interface, which can also be used to activate a variety of presets.

Installation

The units are inserted into the 19" rack from the front and the front panel fits into the rack slot. The unit is then secured to the back of the rack with threaded bolts (included).

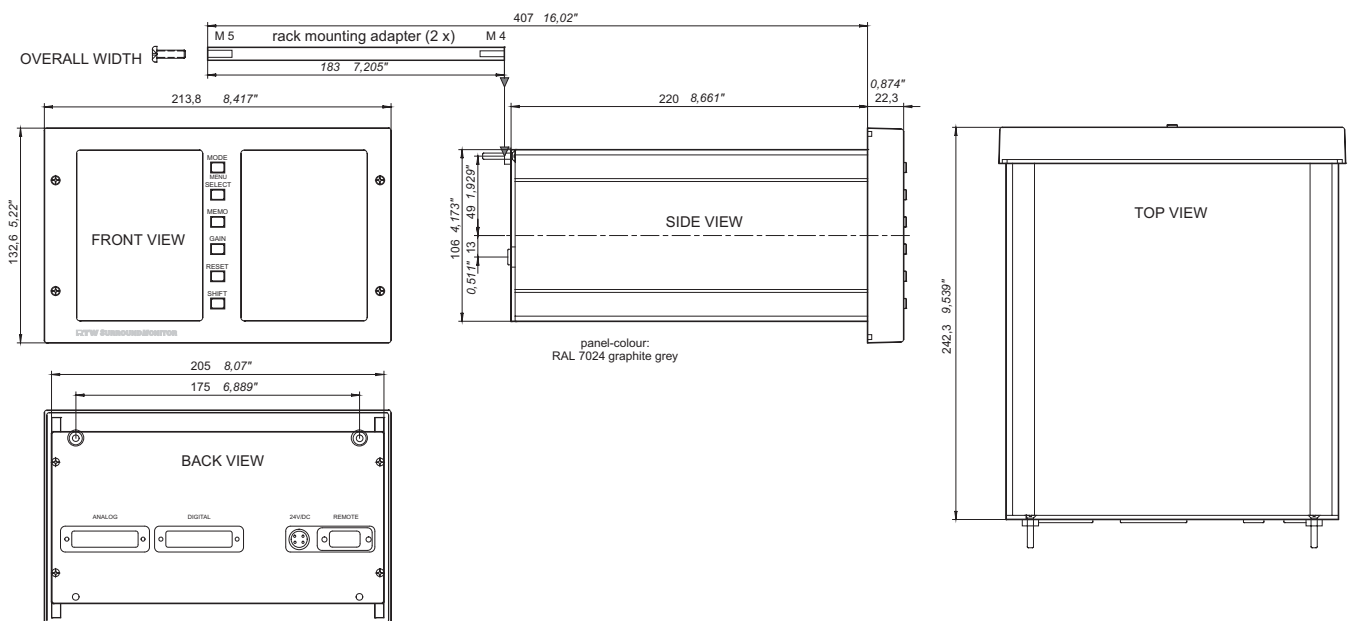
Product information



- 1 Multistandard peak meters for analog and digital signals
- 2 Integrated RMS(A) meter and Lq(A) meter. Both can be referenced to a monitoring level, e.g. 78 dB(A). With a calibrated studio monitoring the SPL can be read on this bargraphs.
- 3 Listening reference level mark (adjustable from 70 to 85 dB A or C)
- 4 SPL or RMS indicator
- 5 The order of the channels can be adjusted (Presets for standard track layouts are included)
- 6 Indicator for phase meter low pass filter
- 7 Phase meter for channels sL and sR (a separate 10-fold phase meter for all channel pairs is available as well)
- 8 Surround channel PSI: indicator for width and position of phantom sources between sL and sR
- 9 Reference listening level mark (refers to the value selected in the peak meter section, see item 3) on the RMS(A) or SPL calibrated grids
- 10 Total volume indicator: the area enclosed by the lines is a measure for the total loudness level of the program.
- 11 Left and right PSI: indicators for width and position of sources between channels L and sL and between channels R and sR
- 12 Center indicator: shows the "hard center" level compared to the L-R phantom center level.
- 13 Phantom source indicators for channels L-R, C-R and C-L

Dimensions:

For technical specifications please refer to leaflet „SurroundMonitor 10800X“



Outlines:
Millimeter
inches*

Subject to technical changes without prior notice. Pi_10860-VID_E_PDF_farbig_fuer_CD



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