Loudness Metering in Radio Broadcasting
TouchMonitor TMR7 Series

RTW

EYES ON YOUR AUDIO
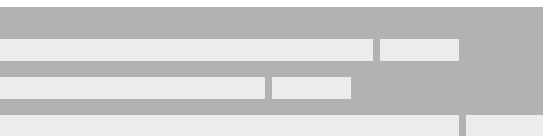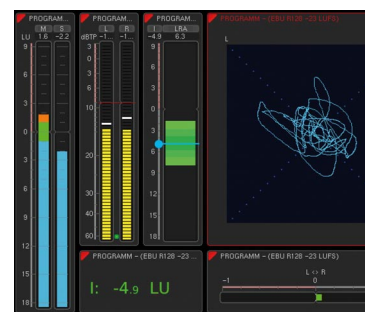
TouchMonitor TMR7 Series
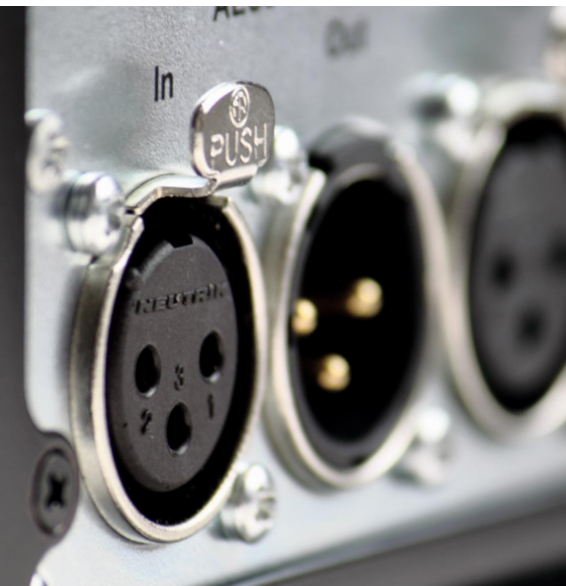
Loudness for Radio

4-Channel Metering Solution for Broadcast Environments

Loudness, true peak, PPM, vectorscope, moving-coil instruments, RTA, and correlation: The TMR7 TouchMonitor 4-channel solution featuring 7" touchscreen and the unique TouchMonitor operating concept integrates all metering options required in radio broadcasting to a solution made to measure. Two AES3 digital inputs allow for parallel monitoring of the on-air signal and a PFL source.

The hardware and software of the TMR7 TouchMonitor are perfectly adjusted to radio-broadcast requirements. The technological basis of the new unit is the TM7 TouchMonitor with its flexible modular configuration. Available as desktop, fitted, or OEM unit, the TM7 covers all applications in professional audio metering.
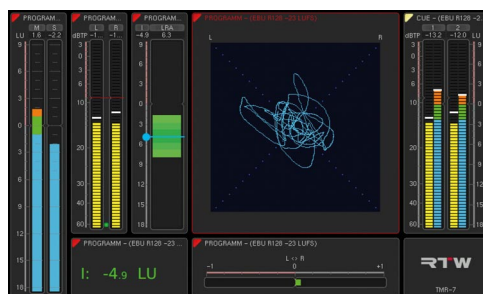
Easy Integration

Thanks to its versatile interfaces, the TMR7 makes integration into any studio environment a breeze. The four audio inputs provided by the two AES3 XLR ports are flexibly configurable for mono, stereo, or multichannel sources, providing separate instruments for each source. Plus, the GPIO interface for overall control, the Ethernet port, and the VGA output for external display units offer even more functionality.

Simple but Flexible

The intuitive operating concept of the TouchMonitor range offers maximum flexibility. Freely scalable instruments can be moved to any position on the graphical surface, allowing you to personalize the entire screen area. Views, scaling, and metering standards are separately definable for each signal source. In addition, the convenient on-screen help function supports you during the setup whenever needed.

Features

- 7" touchscreen for intuitive operation
- Flexible screen layout and scalable instruments
- True Peak and PPM
- Vectorscope
- Correlator
- 2 x AES3 In via XLR (4 channels)
- 2 x AES3 Out via XLR (4 channels), freely routable
- Ethernet, USB, VGA, and GPIO ports
- Available as table-top or OEM version
- Adapters for mounting TMR7 into 19" environments

Licence Options

- Loudness acc. to EBU R128, ITU-R BS.1770-3/1771-1, ATSC A/85, ARIB, OP-59, AGCOM, CALM, LEQ(M), TASA, SAWA with graphical and numerical single-channel and summing views, test time control, loudness range (LRA), MagicLRA, SPL
- RTA - Real Time Analyzer
- Premium PPM with extended scale selection, PPM and VU moving coil meter, second audio vectorscope
- TCR - Time Code Reader for use with Loudness or Logging applications, with or without recalculation
- Logging Data Server with Logging instrument to export measured data via IP to the LQL PC software (Loudness Quality Logger) and Chart instrument to display the measurement directly on TMR7's display

Product Line-up

TouchMonitor TMR7 table-top unit
7" touch screen 16 : 9 TFT, table-top
unit with table-stand, power supply
Order number: TMR7

TouchMonitor TMR7OEM panel-mount unit
7" touch screen 16 : 9 TFT, table-top
unit without table-stand, without power supply
Bestell-Nr.: TMR7OEM

Audio Interfaces (I/O Options)	max. Channel Count (Hardware)	Inputs Digital (balanced)	Outputs Digital
integrated	4-channel digital In, 4-channel digital Out	2 x XLR-F (2 x AES3 In)	2 x XLR-M (2 x AES3 Out)

Standard-Hardware:	Table-top unit with easy-to-use graphical interface, integrated audio interface, Ethernet, 2 x USB, GPIO, VGA Out, table-stand, mains adapter. OEM-unit for panel-mounting with easy-to-use graphical interface, integrated audio interface, Ethernet, 2 x USB, GPIO, VGA Out.
Standard Software:	Basic PPM for up to 4 channels with digital scales (0 to -60 dB, +3 to -60 dB True Peak, DIN, Nordic, British IIa and IIb), audio vectorscope, phase meter, global keyboard. Other software modules available as licences.

Additional Hardware Options

3U Mounting Adapter for TMR7OEM	VID Mounting Adapter for TMR7OEM	Table-top Mounting Adapter for TMR7OEM
Mounting kit including a 3U/42HP rack-mount panel (half-19"/3U) and fastening material for mounting TMR7OEM into standard 19" sub-racks. Order Number: **TM7-MA3U**	Mounting kit including a half-19"/3U plug-in panel and fastening material for mounting TMR7OEM into standard 19" rack-mount cabinets for video racks. Order Number: **TM7-MAVID**	Mounting kit including a table-top frame, robust swivel-mounted table-stand, housing cover, and material for remodelling TMR7OEM to a table-top unit. Order Number: **TM7-MADT**

Licences (Software Modules)   Further information on http://www.rtw.de/en/produkte/audio-monitore/touchmonitor-tmr7.html --> Options

Loudness and SPL Display	RTA - Real Time Analyzer	Premium PPM (with Moving Coil)	TCR - Time Code Reader	Logging Data Server
Order Number: **SW20002**	Order Number: **SW20003**	Order Number: **SW20006**	Order Number: **SW20008** Precondition: SW20002 installed!	Order Number: **SW20014** Precondition: SW20002 installed!

Dimensions:	W x H x D in mm (with table-stand)
TMR7 (table-top unit):	198 x 139.5 (163) x 46 (95)
TMR7OEM (panel-mount unit):	188 x 109 x 45

RTW GmbH & Co. KG

Am Wassermann 25 | 50829 Koeln | Germany

Phone: +49 221. 70 913-0 | Fax: +49 221. 70 913-32

Internet: www.rtw.com | E-Mail: rtw@rtw.com

RTW
EYES ON YOUR AUDIO