



50 Watt Stereo FM Transmitter with RDS

FMTX50v3



Features

- Adjustable RF output power up to 50 Watts
- Multi-band audio processor with stereo encoder
- RDS encoder with dynamic RadioTEXT via RS-232
- TCP/IP control and monitoring
- Latest enhancement mode FET RF amplifier

Applications

- Complete FM stereo service with RDS
- Full chain reserve back-up
- Independent radio service
- Community radio service
- Special event and emergency stations

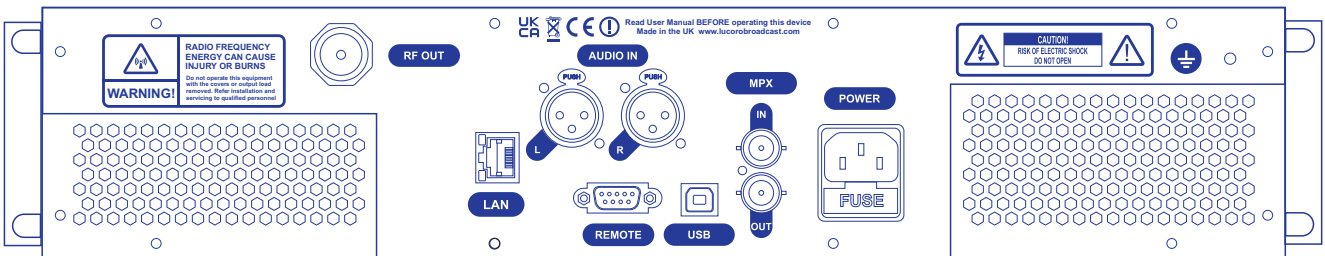
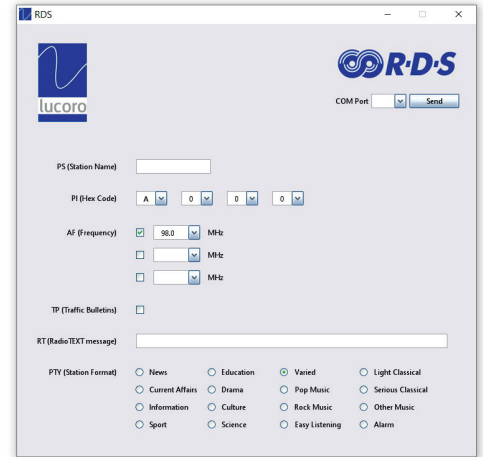
The FMTX50 is a fully integrated 50W Stereo FM broadcast system with DSP audio processing, stereo encoder and RDS generator in a single, highly compact product. The result is a complete audio-to-RF transmission system for cost conscious radio stations who demand uncompromising performance.

The audio processor provides slow gain control, split-band compression, plus composite clipping and digital FIR 15kHz filtering. Three presets are available to suit a range of programme formats.

The internal RDS encoder can operate without the need for a data feed to the transmission site. The content can be updated by the user at any time, via the FMTX50's USB port from a Windows™ PC or Laptop. Dynamic RadioTEXT updates, if desired, can also be implemented via RS-232.

A network (TCP/IP Ethernet) connection is also provided, to enable remote web page monitoring and control. An AES/EBU input option is also available.

The ceramic bearing fans used give an eight year fan life (in ideal environmental conditions) and components are carefully specified to give a long service life.



Specifications

Dimensions:	2U 88 H x 482 W x 350 D (mm)	Output Power:	30 - 50W
Weight:	5.0kg	Harmonics & spurious:	-75dBc typical
Audio input:	XLR 600ohm +8dBu	RDS Groups:	PS, PTY, TP, TA, PI, RT, AF
RF output:	N female 50ohm	Voltage:	100 - 250Vac 50-60Hz
I/O Control:	9-way D-sub female	Compliance:	EN302018, EN301489
Frequency:	87.5 - 108MHz		

Lucoro Broadcast

www.lucorobroadcast.com sales@lucorobroadcast.com

Lucoro Ltd, Clay Pit lane, Bar lane Industrial Estate, Rocliffe, York, YO51 9FS United Kingdom

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