



## 5 Watt Stereo FM Transmitter with RDS

FMTX5



### Features

Compact 1U professional exciter / transmitter  
Integrated DSP Stereo Audio Processor  
Integrated RDS Encoder  
0.3 to 5W adjustable RF output  
Compliant with broadcast regulations

### Applications

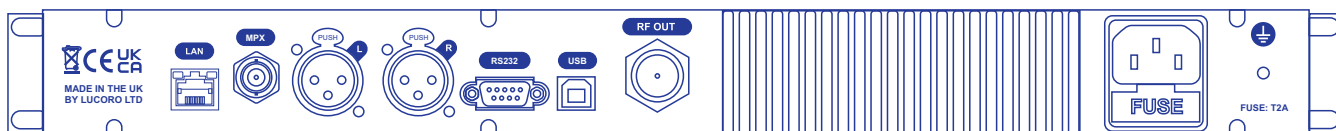
All-in-one Exciter, Audio Processor and RDS  
Complete solution for Low Power FM stations  
Drive-in events  
Hospital, Churches, Universities, Schools, Barracks  
Back-up systems

The FMTX5 is a fully integrated 5W Stereo FM broadcast system with DSP audio processing, stereo encoder and RDS generator in a single, highly compact product. The result is a truly first class transmission system for cost conscious radio stations who demand high performance.

The audio processor provides gain control, split-band compression, plus composite clipping and digital FIR 15kHz filtering. The slow 'gain riding' optimises long-term audio level variations, whilst the compressors perfectly control the sonic signature of all types of program material, making any format type - from talk shows to hit music formats - sound great. Three user presets are available for CHR, MOR and talk/classical formats.

The internal RDS encoder operates without the need for a data feed to the transmission site, and includes a fixed RadioTEXT message. All data is retained, even during power supply outages. The content can be changed by the user, via the FMTX5's USB port using a Windows™ PC or Laptop and free software. For those sites where data feeds are available, an RS232 input is also available for dynamically updating the RadioTEXT for 'Now playing...' information and other messages.

The FMTX5 can take balanced XLR audio inputs or a multiplex (MPX) baseband feed. It also features a password protected ethernet web server which provides instantaneous readings for forward power and reflected power, plus RF, audio and temperature status monitoring, across the world-wide internet.



### Specifications

Dimensions:	1U 43 H x 482 W x 135 D (mm)	Output power:	0.3 - 5W (typical)
Weight:	1.5kg	RDS content:	PS, PTY, TP, TA, PI, RT, AF
Audio input:	XLR 600ohm +8dBu	Harmonics & spurious:	-75dBc typical
RF output:	N female 50ohm	Voltage:	100 - 250Vac 50-60Hz
Monitor / Control:	9-way D-sub female	Compliance:	EN302018, EN301489
Frequency:	87.5 - 108MHz		

### Lucoro Broadcast

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