



1 Watt Stereo FM Transmitter with RDS

FMTX1



Features

- Compact 1U all-in-one transmitter
- Integrated Stereo Audio Processor
- Integrated RDS Encoder
- 1W RF output
- Broadcast regulatory compliance

Applications

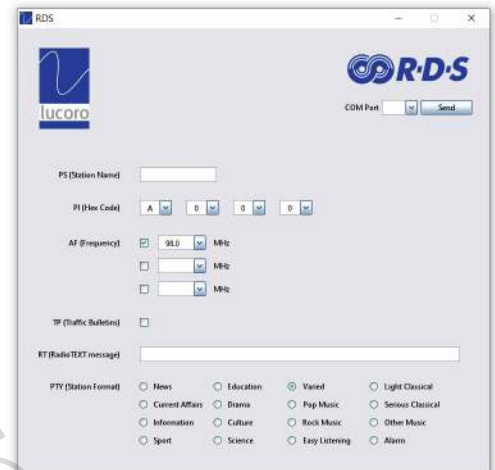
- Drive-in events
- Churches
- Campus radio
- Hospital radio
- Special event broadcasting

The FMTX1 is a fully integrated 1W Stereo FM broadcast system with 5-band 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 uncompromising performance.

The audio processor provides gain control, five bands of compression, plus composite clipping and digital FIR 15kHz filtering. The slow 'gain riding' optimises long-term audio level variations, whilst the multi-band limiter perfectly controls the sonic signature of all types of program material, making any format type - from talk shows to hit music formats - loud and clear.

Expensive frills, flashy lights, and complex controls usually associated with audio processors are a thing of the past, resulting in a 'plug and go' optimised FM broadcast solution.

The internal RDS encoder operates without the need for a data feed to the transmission site. The content can be updated by the user at any time, via the FMTX1's USB port from a Windows™ PC or Laptop.



Specifications

Dimensions:	1U 43 H x 482 W x 135 D (mm)	Frequency:	87.5 - 108MHz
Weight:	1.2kg	Output Power:	0.1 - 1W
Audio input:	XLR 600ohm +8dBu	Harmonics & Spuri:	-65dBc typical
RF output:	N female 50ohm	RDS Groups:	PS, PTY, TR, TA, PI, RT, AF
I/O Control:	9-way D-sub female	Voltage:	100 - 250Vac 50-60Hz
Temperature:	+0° to +42°C		