



TX5 V2 | 5W FM Transmitter

TX5 V2 TX50 V2 TX500 V2 TX500 V2 TX1000 V2 TX1500 V2

The TX5 V2 FM transmitters are perfectly suited for micro power radio stations, cable TV FM modulators, real estate advertising, lab testing and other applications that demand BW Broadcast quality. Packed with features to improve sound quality & reliability. Built in 4-band DSPX audio processing, Ethernet control and FSK IDer eliminates the need for any additional equipment. Quite simply, the best 5W FM Transmitter on the planet.

- 0.05 - 5 watts RF output power
- 4+ miles transmission range
- XLR analogue/digital inputs
- Composite input
- Stereo encoder
- Pre-emphasis audio limiter
- DSPX multi-band processor inside
- Antenna fault protection
- VSWR and temp monitoring
- RS232 remote control
- 2 year international warranty

Size	485mm x 350mm x 45mm
Weight	2kg
Voltage input	100 - 265 VAC
Power connector	IEC
Switched mode approvals	UL / TUV / CE
Power consumption	30W average @ 5W RF
Power	0.05W - 5.05W
Power supply type	Internal
Connector	N-type 50 Ohm
Approvals	CE/RTTE, FCC*

* CE/RTTE: applicable harmonised standards. FCC ID: Part 73 verified

RF

Harmonics	better than -75 dBc
Spurious	<-90dBc
Frequency range	87.5 - 108 MHz
Frequency steps	50 kHz
Frequency selection	User interface with display or web remote control
Frequency control type	Dual speed phase locked loop
Frequency stability	<+/- 500 Hz (fine adjustment available)
Modulation	Direct frequency modulation
Synchronous AM Noise	0.31% (at normal deviation)
Asynchronous AM Noise	0.18% (at centre frequency of 97.7 MHz)

AUDIO & MPX I/O

MPX input / output connector	BNC / BNC
MPX input / output impedance	1.8kOhm (in) / >600 Ohm (out)
MPX input level	-10dB to +10dB (adjustable)
MPX input / output response	+/- 0.02 dB, 5 Hz to 100 kHz
Audio input connectors	XLR balanced
Analog input impedance	10 kOhm
AES/EBU sampling rates	32kHz, 44.1kHz, 48kHz, 88.2kHz and 96kHz

STEREO

Subcarrier generation	Microprocessor generated 8x over-sampled
Pilot	19 kHz +/- 1 Hz (adjustable)
Pilot generation	Microprocessor generated 16x over-sampled
Output level	+6dBu (BNC)
15 kHz filtering	80dB at 19kHz (DSP based)
Overshoot filter clipping	DSP based
Spurious: >80 kHz / >160kHz	> -60dB / > -80dB
Stereo separation	>50dB (20Hz - 15kHz)

LIMITER

Audio input levels	-10dB to +24dB for level control, DSP auto levelling
Audio input connectors	XLR balanced (shielded)
Input CMRR	> 60dB
Audio distortion	0.05% at limiting 1 KHz (bypass preset)
Frequency response	20 Hz to 20 kHz +/- 0.2dB (pre-emphasis off)
Processing range	Processing control range 40dB (pre-emphasis off)
Input impedance	10 kOhm
Pre-emphasis	50 µs, 75 µs and 0 µs (off)
Process modes	Multiple presets

OTHER

User Interface	3 buttons, rotary encoder & 256x64 graphics display
External control	I/O Alarms D9-type Male; RS232 D9-Type Female Telnet and Web remote RJ45 Ethernet



TX5 V2 | 5W FM Transmitter

