



TX600 V2 | 600W FM Transmitter

TX6 V2 | TX60 V2 | TX600 V2 | **TX600 V2** | TX1000 V2 | TX1500 V2

The TX600 V2 is everything you would expect from BW Broadcast. Designed for pristine audio quality and unsurpassed reliability, TX600 V2 units are among the thousands of BW Broadcast's FM transmitters operating trouble-free in some of the world's most remote installations. With built in 4-band DSPX audio processing, Ethernet control and FSK IDer.

- 60-610 watts RF output power
- 40+ 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
- Slide-in & Hot swap power supplies
- Gold-clamp transistors
- RS232 remote control
- 2 year international warranty

Size	485mm x 510mm x 90mm
Weight	9.3kg
Voltage input	100 - 265 VAC
Power connector	IEC C20 (C19 cable)
Switched mode approvals	UL / TUV / CE
Power consumption	920W average @ 600W RF
Power	60.5W - 610.5W
Power supply type	2 x Slide-in / Hotswap
Connector	N-type 50 Ohm
Approvals	CE/RTTE, FCC certified*

* CE/RTTE: applicable harmonised standards, FCC ID: TUO TX600V2

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	> -60dBm / > -80dBm
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



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