The TX50 V2 has integrated multi-band DSPX audio processing that means stations without a dedicated processor sound great, right out of the box. It also has one of the industry’s cleanest exciters and an ultra-low distortion modulator which go to make it a highly stable FM transmission system. Clean, loud, market leading audio performance that will crush the competition.

- 5 - 50 watts RF output power
- 9+ 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

### Specifications

**RF**
- Harmonics: better than -75 dBc
- Spurious: <-90 dBc
- 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: <=+/- 50 Hz (fine adjustment available)
- Modulation: Direct frequency modulation
- Synchronous AM Noise: 0.031% (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
- 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: 50 µs, 75 µs and 0 µs (off)
- 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 Alerts D9-type Male; RS232 D9-Type Female
- Telnet and Web remote RJ45 Ethernet

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>485mm x 350mm x 45mm</td>
</tr>
<tr>
<td>Weight</td>
<td>6.8kg</td>
</tr>
<tr>
<td>Voltage input</td>
<td>100 - 265 VAC</td>
</tr>
<tr>
<td>Power connector</td>
<td>IEC</td>
</tr>
<tr>
<td>Switched mode approvals</td>
<td>UL / TUV / CE</td>
</tr>
<tr>
<td>Power consumption</td>
<td>104W average @ 50W RF</td>
</tr>
<tr>
<td>Power</td>
<td>5.4W - 50.4W</td>
</tr>
<tr>
<td>Power supply type</td>
<td>Internal</td>
</tr>
<tr>
<td>Connector</td>
<td>N-type 50 Ohm</td>
</tr>
<tr>
<td>Approvals</td>
<td>CE/RTTE, FCC certified*</td>
</tr>
</tbody>
</table>

*CE/RTTE: applicable harmonised standards; FCC ID: TUO TX25-50*