TX1000 V3 | DDS FM TRANSMITTER



A fully featured direct to channel digital FM exciter with all the bells and whistles!

This 1000W FM transmitter is perfect for LPFM stations, community stations, emergency broadcast kits, military applications or as a truly reliable back-up transmitter or exciter for national broadcasters. Whatever the application, the TX1000 V3 will take it in its stride.

The built in 4-band DSPX audio processing, eliminate the need for a separate processor saving you \$\$\$. Monitor and control this transmitter using, just about, any method you can think of. Sleep easy at night with a whole host of maintenance friendly, stress busting features.

Why you'll never regret choosing the TX1000 V3.

- 100-1100 watts RF output power
- Direct to channel digital modulation
- GPS inputs for SFN application
- XLR analogue & digital inputs
- Dual MPX / sca in and outs
- Lab grade DSP stereo generator
- RDS generator
- DSPX multi-band processor inside
- VSWR and temp monitoring
- Slide-in & Hot swap power supplies
- Events, alarms and actions
- RS232, Telnet, SNMP
- Mobile ready web browser control

SPECIFICATION

RF			
Harmonics	better than -75 dBc		
Spurious	<-90dBc		
Frequency range	87.5 - 108 MHz		
Frequency steps	10KHz to 100KHz selectable		
Frequency selection	User interface or web remote control		
Frequency control type	direct to channel DDS		
Frequency stability	<+/- 100 Hz		
Modulation	DDS		
Synchronous AM Noise	>60dB% min (at normal deviation)		
Asynchronous AM Noise	>70dB		
RF Connector	7/16 50 Ohm		

AUDIO & MPX I/O

MPX input / output connector	2 X BNC IN / 2 X BNC OUT
MPX input / output impedance	10k
MPX input level	-10dB to +10dB (adjustable)
MPX input / output response	+/- 0.01 dB, 5 Hz to 100 kHz
Audio input connectors	XLR balanced
Analog input impedance	10 kOhm
AES/EBU sampling rates	32KHz-192KHz (MPX OVER AES READY)

STEREO

V			
Subcarrier generation	DSP		
Pilot	19 kHz +/- 1 Hz (adjustable)		
Pilot generation			
Output level	0dBu - 12dBu adjustable		
15 kHz filtering	80dB at 19kHz (DSP based)		
Overshoot filter clipping	DSP based		
Spurious: >80 kHz / >160kHz	> -60dBr / > -80dBr		
Stereo separation	>50dB (20Hz - 15kHz)		

OTHER

RF Power	10	00W - 1100W
Voltage input	2	220-265 VAC
Environmental	1275W average	e @ 300W RF
Switched mode a	oprovals l	JL / TUV / CE
Size (mm)	485mm x 350	mm x 90mm
Weight		8.4kg
User Interface	3 buttons, rotary encoder & 256x64 graphics display	
External control	I/O Alarms D9-type Male; RS232 D9-1	ype Female
	Telnet and Web remote R	J45 Ethernet



