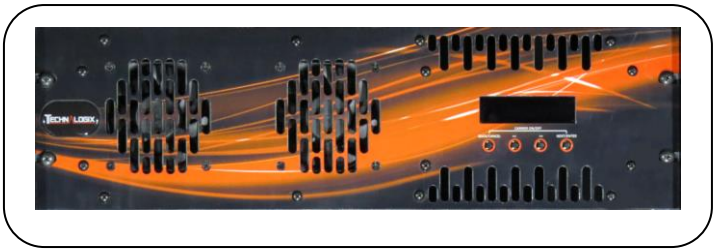
TXF-2000

2000-watt FM Transmitter with Exciter



- Class leading standard feature set, including stereo encoder, RBDS/RDS generator, SCA, etc.
- Built in compressor/limiter
- Efficient OLED front panel monitoring
- World class reliability and quality from North American design and manufacture
- Frequency agile 87.5 - 108MHz
- AES, S/PDIF, and analog audio inputs standard
- Unmatched efficiency with state-of-the-art transistors and power supply
- Extensive monitoring through Ethernet, SNMP, and parallel interface
- 2 Year Warranty

AUDIO CHARACTERISTICS

Mono Operation	*Input Impedance*	600Ω, 10 KΩ (selectable from front panel)
	Input Connector	XLR (balanced), RCA (unbalanced)
	Input Level Max	+10 dBm +/- 2dB (others available)
	Harmonic Distortion	<1% (50 Hz-15KHz)
	S/N Ratio	>-60dB FM noise, >-50dB AM noise
	Pre-emphasis	25, 50, 75 µS, or flat response (selectable
MPX Operation	*Input Impedance*	10 KΩ unbalanced
	Input Connector	BNC
	Harmonic Distortion	< 1% (50 Hz-15KHz)
SCA Operation	*Number of Inputs*	2
	Input Connector	BNC female
	Input Level	+10 dBm nominal
	Frequency Range	57 to 93 kHz
Digital Audio	*AES/EBU*	XLR, 3-position, female
	S/PDIF	optical, Toslink
	S/PDIF	coaxial, RCA female

RF CHARACTERISTICS

Output Impedance	50 Ω
Modulation	FM, Deviation ± 75 KHz
Frequency Range	87.5 – 108.0 MHz (± 1 kHz stability)
Nominal Output Power	2,000W
Power Level	Adjustable 1 – 105%
Output Connector	7-16 DIN female, (others upon request)
Spurious Emissions	Compliant to Industry Canada BETS-6 and FCC 73.317

ELECTRICAL

Flexible AC Input	180-264 Vac, 47/63 Hz Other AC supplies available on request

** Due to continuous product improvements, Technalogix reserves the right to change specifications without notice. **

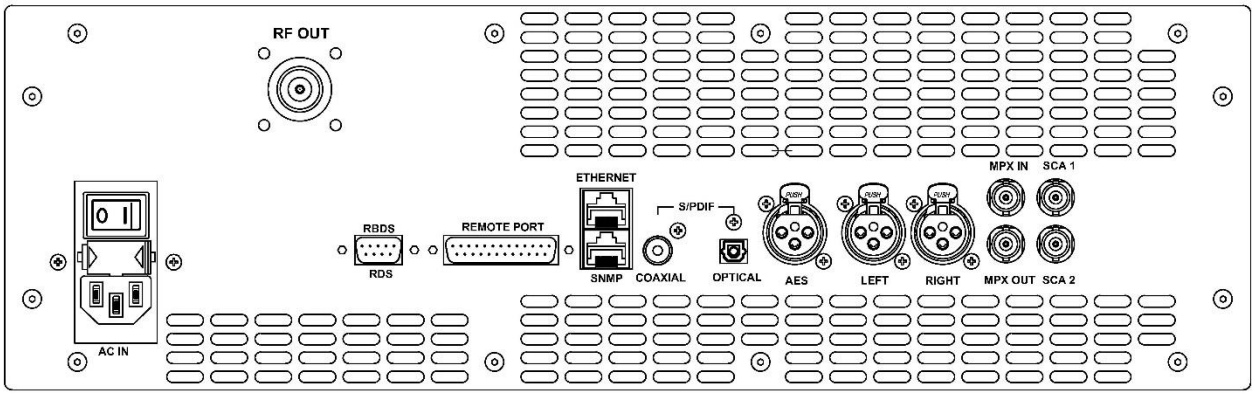
INTERFACE

Remote Port	*Control:*	RF carrier on/off, RF power up/down, reset
	Monitor:	Forward/reflected RF level, control PCB Vcc
	Flags:	Amplifier overdrive, VSWR (adjustable trip point), high temperature
Ethernet	*Control:*	RF carrier on/off, RF power up/down, AGC/manual, change VSWR trip point, reset
	Monitor:	Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model, S/N
	Flags:	Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual status
SNMP	*Control:*	RF carrier on/off, RF power up/down, AGC/manual, change VSWR trip point, reset
	Monitor:	Forward/reflected RF level, DC pallet voltage, RF input level, temperature, pallet current, attenuation, run time, RF fault, model/serial number
	Flags:	Amplifier overdrive, VSWR, temperature, SNMP error
RBDS/RDS	*Input Connector*	USB
	Features	Scrolling, parsing, advanced weekly scheduling, UECP, ASCII terminal control
	Supported Commands	PI, PS, PTY, TP, AF, TA, PTYN, DI, EON, RT+, M/S, PIN, ECC, RT, TDC, IH, ODA, CT, LIC, TMC

PHYSICAL FEATURES

Minimal Rack Space	4U case, 7”H x 25”D x 19”W
Lightweight Enclosures	70 lbs, Aluminum
Operating Temperature	0 to +45˚C
Humidity	90%, non-condensing

OLED Display Screen



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