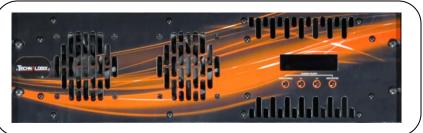


3000-watt FM Transmitter with Exciter



- 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 , $10 \text{ K}\Omega$ (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

 $\textit{MPX Operation} \qquad \qquad \textit{Input Impedance} \qquad \qquad \text{10 K}\Omega \; \text{unbalanced}$

Input Connector BNC

Harmonic Distortion < 1% (50 Hz-15KHz)

SCA Operation Number of Inputs 2

Input ConnectorBNC femaleInput Level+10 dBm nominalFrequency Range57 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 3,000W

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. **



3000-watt FM Transmitter with Exciter

INTERFACE

Remote Port Control: RF carrier on/off, RF power up/down, reset

> Forward/reflected RF level, control PCB Vcc Monitor:

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

Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model, S/N Monitor: Flags:

Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual

SNMP RF carrier on/off, RF power up/down, AGC/manual, change VSWR trip point, reset Control:

> 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

Scrolling, parsing, advanced weekly scheduling, UECP, ASCII terminal control **Features**

PI, PS, PTY, TP, AF, TA, PTYN, DI, EON, RT+, M/S, PIN, ECC, RT, TDC, IH, ODA, CT, LIC, TMC Supported Commands

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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