



- 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	<i>Input Impedance</i>	600Ω, 10 KΩ (selectable from front panel)
	<i>Input Connector</i>	XLR (balanced)
	<i>Input Level Max</i>	+10 dBm +/- 2dB (others available)
	<i>Harmonic Distortion</i>	<1% (50 Hz-15KHz)
	<i>S/N Ratio</i>	>-60dB FM noise, >-50dB AM noise
	<i>Pre-emphasis</i>	25, 50, 75 μS, or flat response (selectable)
MPX Operation	<i>Input Impedance</i>	10 KΩ unbalanced
	<i>Input Connector</i>	BNC
	<i>Harmonic Distortion</i>	< 1% (50 Hz-15KHz)
SCA Operation	<i>Number of Inputs</i>	2
	<i>Input Connector</i>	BNC female
	<i>Input Level</i>	+10 dBm nominal
	<i>Frequency Range</i>	57 to 93 kHz
Digital Audio	<i>AES/EBU</i>	XLR, 3-position, female
	<i>S/PDIF</i>	optical, Toslink
	<i>S/PDIF</i>	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	5,000W
Power Level	Adjustable 1 – 105%
Output Connector	1-5/8" EIA flange, (others upon request)
Spurious Emissions	Compliant to Industry Canada BETS-6 and FCC 73.317
RF Monitor Level	-35 dBc typical
RF Monitor Connector	BNC

ELECTRICAL

Flexible AC Input	180-264 Vac, 47/63 Hz Other AC supplies available on request
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** 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	5U case, 8-3/4"H x 25"D x 19"W (Amplifier) 2U case, 3-1/2"H x 25"D x 19"W (Power Supply)
Lightweight Enclosures	145 lbs, Aluminum
Operating Temperature	0 to +45° C
Humidity	90%, non-condensing



OLED Display Screen

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