



- 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

<b>Mono Operation</b>	<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)
<b>MPX Operation</b>	<i>Input Impedance</i>	10 KΩ unbalanced
	<i>Input Connector</i>	BNC
	<i>Harmonic Distortion</i>	< 1% (50 Hz-15KHz)
<b>SCA Operation</b>	<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
<b>Digital Audio</b>	<i>AES/EBU</i>	XLR, 3-position, female
	<i>S/PDIF</i>	optical, Toslink
	<i>S/PDIF</i>	coaxial, RCA female

## RF CHARACTERISTICS

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

## ELECTRICAL

<b>Flexible AC Input</b>	85-264 Vac, 47/63 Hz, single phase
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\*\* Due to continuous product improvements, Technalogix reserves the right to change specifications without notice. \*\*

**INTERFACE**

<b>Remote Port</b>	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
<b>Ethernet</b>	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
<b>SNMP</b>	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
<b>RBDS/RDS</b>	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**

<b>Minimal Rack Space</b>	2U case, 3-1/2" H x 25" D x 19" W
<b>Lightweight Enclosures</b>	22 lbs, Aluminum
<b>Operating Temperature</b>	0 to +45° C
<b>Humidity</b>	90%, non-condensing



OLED Display Screen



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