

X1000B

1,000 Watt Digital IBOC Ready Solid State AM Transmitter



Made in USA

Features

- ☐ +90% RF PA efficiency
- ☐ Optimized multiphase modulator (flat group delay, low source impedance)
- ☐ Capable of +150% positive modulation
- ☐ Compact design, UPS shippable
- ☐ Hot pluggable modules
- ☐ Designed to easily accept the new digital IBOC signal
- ☐ Three preset power levels and full remote control capability
- ☐ Two 600 Watt RF modules for extra reliability and headroom
- ☐ Two high efficiency switching power supplies
- ☐ Fully redundant RF, modulator, cooling system and power supplies



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Technical Specifications

Electrical

| | |
|---------------------------|---|
| Power Output | 1200 Watts Continuously adjustable Three power level presets |
| Frequency Range | 530kHz to 1700kHz |
| Output Impedance | 50 ohms unbalanced, Type N |
| Modulator Type | Pulse Duration Modulation (PDM) |
| RF Amplifier | High Efficiency switching amplifier |
| Audio Response | +/- 1db, 20-10,000Hz |
| Audio Harmonic Distortion | < 2% at 80% modulation 50-12,000Hz |
| Modulation Capability | +125% factory set;150%(capable) |
| Carrier Shift | <1% with normal audio programming |
| RF Harmonics | <-73dB at 1KW |
| Spurious Outputs: | meets FCC requirements with external NRSC filter |
| Noise and Hum | <-60db below reference at 1KW |
| Frequency Stability | +/-5ppm |
| Audio Input | 600 ohms active balanced +3dBm nominal |
| Power Input: | 190-260 VAC, single phase |
| Power Consumption | 1480 Watts at 1KW no modulation |
| Remote control/monitor | DB-25M |
| Connector | |

Mechanical and Environmental

| | |
|---------------------|-----------------------------------|
| Ambient Temperature | -10°C to 50°C |
| Humidity Range | 95% max, non-condensing |
| Altitude | 8,000 feet |
| Size | 12.25" high x 19" wide x 20" deep |
| Weight | 96 lbs |



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