

DRTXM4 Audio Transmitter

HIGHWAY INFORMATION SYSTEMS



Bar graph selector switch

Power indicator

Transmit indicator

Modulation limit indicator

Modulation level display

Bar graph display

Frequency designation

Power switch

RF output

PRODUCES UP TO A 10 WATT

BROADCAST SIGNAL

The DRTXM4 Synchronized Audio Transmitter is the highest-efficiency HAR transmitter manufactured. It produces a strong signal to broadcast your highway advisory messages at the maximum legal power allowed by the FCC. The efficient DRTXM4 Synchronized Audio Transmitter does not require enclosure ventilation, even in the extremely hot climates, thus ensuring years of clean, dry and trouble-free operation. Comprehensive metering is clearly displayed on the front panel to indicate the transmitter is performing.

The DRTXM4 Synchronized Audio Transmitter is power adjustable to use the full 10W allowed by FCC and can be adjusted from 0-10W by an adjustment knob located on the side of the transmitter. When used in conjunction with the TCM-1 amplifier module, output wattage of up to 30W can be attained.

- Capable of 100% modulation
- Easy to read display
- Modular design provides easy access and maintenance
- Front-panel status indicators provide quick visual feedback on transmitter status
- Front panel power switch and RF output connector.
- Overload mismatch output protection
- 5 level LED modulation display

DRTXM4 Audio Transmitter



- DRPSM-PRO Power Supply
- DR1500AM Recorder / Player
- DCC3 Digital Communications Controller
- DRTXM4 Audio Transmitter**
- GPS1 GPS Synchronizer
- DRWX1 Weather Receiver

UPGRADEABLE, COMPONENT BASED BLACKMAX® HIGHWAY ADVISORY RADIO SYSTEMS

The BlackMax HAR System supports modular components, allowing you to add to; or upgrade your HAR station without replacing the entire system.

TECHNICAL DATA AT-A-GLANCE

Transmitter | DRTXM4

Highest efficiency transmitter available
Comprehensive metering on front panel

RF Output	0 to 10W as allowed by FCC
Audio Distortion	<1.5% from 200Hz to 3.5kHz
Frequency	530 to 1700 khz
Modulation	100% • Speech limiter controls modulation within FCC specifications
Audio Response	Better than ± 1 dB • Better than 20 dB down at 100 Hz • Better than 30 dB down at 60 Hz • Attenuation above 3 kHz conforms to FCC specifications
Inputs	Normal audio input from recorder/ player through backplane • Auxiliary balanced, high-impedance, phone-line
Power requirements	10 to 14 VDC at less than 2A
Dimensions	10.3" (h) x 3.2" (w) x 9.2" (d)
Temp Range	-40 to +85°C
Humidity	95% non-condensing
FCC Certification	O2Q-DRTMX4

Distributed by:

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General details for this product are subject to change without notice to reflect improvements and upgrades. MH Corbin, LLC warrants this product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of purchase.

**FCC Rule 90.242 specifies limits for HAR broadcasts. The TCM-1 can exceed FCC limitations.*