



FM Rebroadcast Transmitter

TX-FMBR1 Series



Features

- Compact 1U single box Tunnel Radio solution
- External MPX input with remote control
- Integral RDS Encoder
- RS-485 addressable remote control and monitoring
- 1W RF output

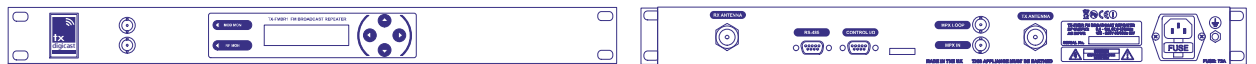
Applications

- Tunnel FM Radio
- Leaky Feeder Radio Systems
- Same channel rebroadcast
- FM Rebroadcast with back-up source

The TX-FMBR1 is a 1W VHF FM Broadcast Exciter Transmitter with integral 87.5-108MHz PLL MPX Broadcast Receiver.

Although suitable for many varied applications, the unit is primarily designed for low power rebroadcast systems using 'Leaky Feeder' antenna systems. With expert installation and a suitable environment, co-channel operation is possible at very low powers. Since use in Road Traffic Tunnel Systems is a key application, an external MPX input is available to allow for emergency 'break-in' announcements - plus an integral RDS encoder which broadcasts Alarm data.

The TX-FMBR1 is designed to operate continually for many years without maintenance. There are no cooling fans to replace and the carefully specified, quality components ensure long term reliability.



Specifications

Dimensions:	43 x 483 x 280 HxWxD (mm)	Temperature:	0 - 42 degrees C
Weight:	1.4kg	Voltage:	90 - 250V ac
Inputs:	RX antenna: N-type: TX antenna: N-type	Output Power:	1W nominal
RF output:	N-type 50 ohm	Useable sensitivity:	6dBuV typical
RF monitor:	BNC female 50ohm (nominal -40dB)	Frequency range:	87.5 to 108MHz (100kHz steps)
TTL control:	9-way D-sub female	IP shoulder (pre-filter):	+8dBu (75kHz) 600ohms (BNC)
RS485 control:	9-way D-sub female	Radio compliance:	ETS 300384

Tomorrow's Broadcast Solutions

www.txdigicast.com info@txdigicast.com

TX Digicast, Unit 19 Richmond Crescent, Mossley, Lancashire OL5 9LQ, United Kingdom

We reserve the right to alter specifications without notice. E&OE. Illustrations are for guidance only and do not form a contract.