



# FM Tunnel Radio Repeater with Voice Break-in

TXFMBR1

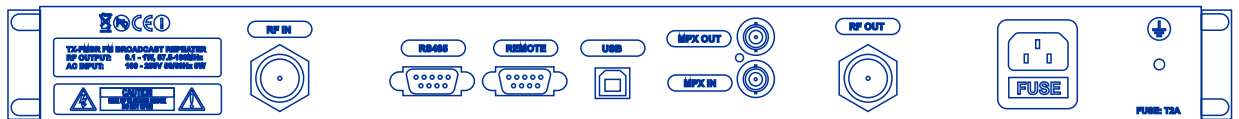


- ### Features
- Compact 1U Tunnel Radio solution
  - External MPX input with remote control
  - Integral alarm RDS Encoder
  - RS-485 addressable remote control
  - 1W RF output

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

The TX-FM BR1 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. Use in Road Traffic Tunnel Systems is a key application, so an external MPX input is available to allow for emergency 'break-in' announcements - plus an integral RDS encoder which broadcasts Alarm data.



### Specifications

Dimensions:	43 x 483 x 150 HxWxD (mm)	Temperature:	0 - 42 degrees C
Weight:	1.0kg	Voltage:	90 - 250V ac
Receiver Input:	N-type	Output Power:	800mW nominal
RF output:	N-type	Frequency range:	Transmitter 87.5 to 108MHz (100kHz steps)
MPX Input:	BNC female 75ohm (nominal 8dB)	Audio input :	Receiver 87.5 to 108MHz (100kHz steps)
TTL control:	9-way D-sub female	RDS Groups:	0A, 2A
RS485 control:	9-way D-sub female	Radio compliance:	EN302018

## Lucoro Broadcast

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