

MRE042

MR Mini GSM 1800

Description

The MR Mini GSM 1800 repeater kit captures and boosts a weak mobile signal through a high gain antenna and amplifier and boosts coverage for areas up to 250 square meters. The MR Mini GSM 1800 works on the 1800MHz frequency band.

Our MR Mini GSM 1800 will give you guaranteed coverage for your home, office, cabin, warehouse or facility. This repeater kit comes complete with everything you need to increase signal strength and stop dropped calls.



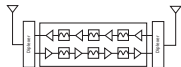
Key Features

- ✓ GSM 1800 Networks
- ✓ 55 dB gain
- ✓ Coverage up to 250 sq m
- ✓ High gain signal antenna
- ✓ Supports 10 simultaneous users
- ✓ Works with most UK and European providers
- ✓ Money back warranty

Working Principle



System Diagram



Package includes

- 1 x MR Mini GSM 1800 repeater
- 1 x External dual band signal antenna
- 1 x 10 m coax to connect to repeater
- 1 x AC/DC power supply
- 1 x Easy to follow installation manual

Electrical Specifications

Item	Uplink	Downlink
Frequency (GSM900)	1710-1785MHz	1805-1880MHz
Maximum Gain	≅ 50dB	≅ 55dB
Ripple in Band		≅ 5dB
Max. Input Power without damage	- 50 dBm	- 80 dBm
Output Power	≅ 17 dBm	
Spurious Emission (9KHz-1GHz)	≅ -36dBm	≅ -36dBm
Spurious Emission (1GHz-12.75GHz)	≅ -30dBm	≅ -30dBm
Noise Figure @ Max. Gain		≅ 6dB (Typical)
Return Loss		≅ 3dB
Time Delay		≅ 0.5µs
MTBF		> 50000hours
Power Supply		DC 12V 2A
Power Consumption		< 10 Watt
Impedence		50 ohm

Mechanical Specifications

RF Connector	N-Female
Cooling	Heatsink convection cooling
Dimensions (DxWxH)	130 x 196 x 21 mm
Weight	590 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C