

## MRE038

### MR GSM 1800 PRO

#### Description

The MR PRO 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 500 square meters. The MR PRO GSM 1800 works on the 1800MHz frequency band.

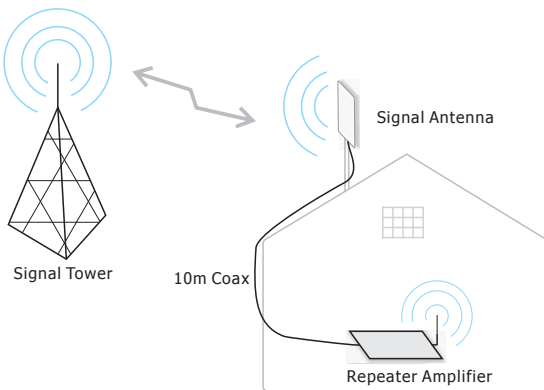
Our MR PRO GSM 1800 will give you guaranteed coverage for your home, office, cabin, warehouse or facility. This repeater kit comes complete with everything you need to increase signal strength and stop dropped calls.



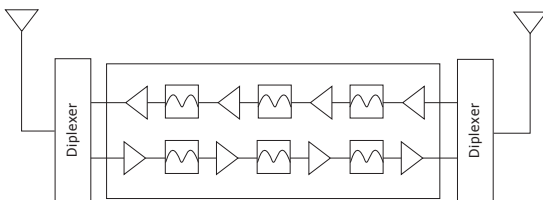
#### Key Features

- ✓ GSM 1800 Networks
- ✓ 55 dB gain
- ✓ Coverage up to 500 sq m
- ✓ High gain signal antenna
- ✓ Supports 50 simultaneous users
- ✓ Works with most UK and European providers
- ✓ Money back warranty

#### Working Principle



#### System Diagram



#### Package includes

- 1 x MR GSM 1800 PRO 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	≅ 55dB	≅ 60dB
Ripple in Band	≅ 5dB	
Max. Input Power without damage	- 50 dBm	- 80 dBm
Output Power	≅ 20 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)	178 x 234 x 24 mm
Weight	1120 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C