

DATA SHEET



MRE040

MR GSM 900 PRO

Description

The MR PRO GSM 900 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 900 works on the 900MHz cellular frequency which is used by most European and Asian phone carriers. Our MR PRO GSM 900 will give you guaranteed coverage for your home, office, cabin, warehouse or facility.



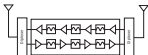
Key Features

- ✓ GSM 900 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 900 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)	890-915MHz	935-960MHz
Maximum Gain	≈ 55dB	≈ 60dB
Ripple in Band		≈ 5dB
Max. Input Power without damage	- 50 dBm	- 80 dBm
Output Power	≈ 20 dBm	
Spurious Emission (90Hz-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
Impedance		50 ohm

Mechanical Specifications

RF Connector	External: N-Female / Internal: SMA-Female
Cooling	Heatlink connection cooling
Dimensions (DxDxH)	150 x 197 x 21 mm
Weight	440 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C