

## MRE041

### MR Mini GSM 900

#### Description

The MR Mini 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 250 square meters.

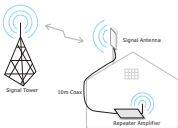
The MR Mini GSM 900 works on the 900MHz cellular frequency which is used by most European and Asian phone carriers. Our MR Mini GSM 900 will give you guaranteed coverage for your home, office, cabin, warehouse or facility.



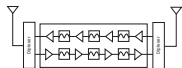
#### Key Features

- ✓ GSM 900 Networks
- ✓ 55 dB gain
- ✓ Coverage up to 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 900 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	≡ 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	External: N-Female / Internal: SMA-Female
Cooling	Heatsink convection cooling
Dimensions (DxWxH)	150 x 197 x 21 mm
Weight	440 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C