



MRE142 MR Next G 850 PRO

Description

The MR 3G 850 PRO 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.

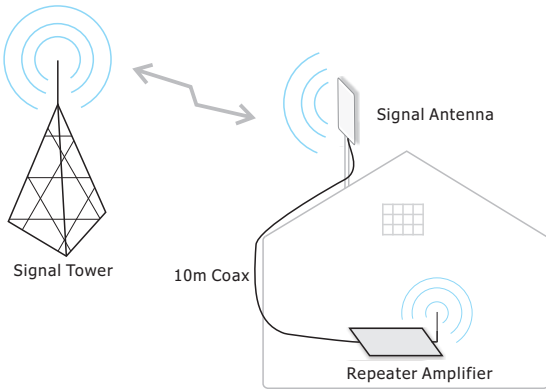
The MR 3G 850 PRO works on the 850MHz frequency band which is used by the Telstra 3G network in Australia. The MR 3G 850 PRO will give you guaranteed coverage for your home, office, cabin, warehouse or facility.



Key Features

- ✓ 3G 850MHz Networks
- ✓ 60 dB gain
- ✓ Coverage up to 500 sq m
- ✓ Supports up to 50 users
- ✓ High gain signal antenna

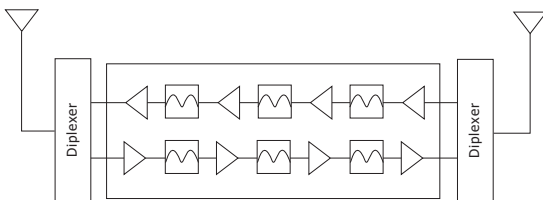
Working Principle



Electrical Specifications

Item	Uplink	Downlink
Frequency (GSM900)	824-849MHz	869-904MHz
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	

System Diagram



Mechanical Specifications

RF Connector	N-Female
Cooling	Heatsink convection cooling
Dimensions (DxWxH)	270 x 230 x 155 mm
Weight	2800 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C

Package includes

- 1 x MR 3G 850 PRO 60dB GSM repeater/amplifier
- 1 x High gain external dual band signal antenna
- 1 x 10 m coaxial cable for connecting donor antenna
- 1 x AC/DC main power supply
- 1 x Installation manual and parts

