

MRE100

MR Tri-Band PRO

Description

Our MR Tri-Band PRO is the most unique repeater kit on the market. This repeater kit is compatible with absolutely all GSM voice and all high speed 3G data networks.

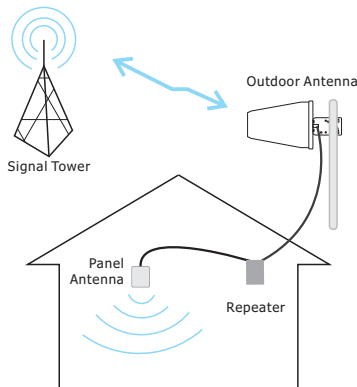
The MR Tri-Band PRO Repeater Kit is compatible with all UK and European mobile phone voice and data networks and effectively provides a strong and reliable signal in places with poor reception.



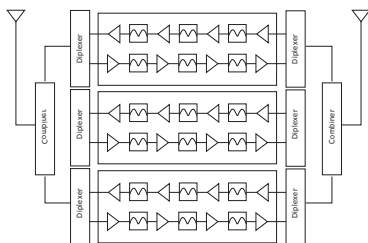
Key Features

- ✓ TRI-Band PRO GSM 900/1800 and 3G
- ✓ 70 dB gain
- ✓ Coverage up to 5000 sq m
- ✓ High gain signal antennas
- ✓ Supports 100 simultaneous users
- ✓ All GSM voice and all 3G networks
- ✓ Money back warranty

Working Principle



System Diagram



Package includes

- 1 x MR Tri-Band PRO Repeater Amplifier
- 1 x External Tri-Band signal aerial
- 1 x Indoor high gain tri-band panel 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	GSM:890-915MHz GSM:1710-1785MHz 3G: 1920-1990MHz	GSM: 935-960MHz GSM:1805-1880MHz 3G: 2110-2180MHz
Maximum Gain	≅ 60-65 dB	≅ 66-70 dB
Manual Gain Control	31dB in step of 1dB	
Ripple in Band	GSM900 ≅ 8dB, GSM1800 ≅ 10dB, 3G ≅ 6dB	
Max. Input Power without damage	- 50 dBm	- 80 dBm
Output Power	10-20 dBm	10-24 dBm
Spurious Emission (9KHz-1GHz)	≅ -36dBm	≅ -36dBm
Spurious Emission (1GHz-12.75GHz)	≅ -30dBm	≅ -30dBm
Noise Figure @ Max. Gain	≅ 8dB (Typical)	
Return Loss	≅ 8dB	
Time Delay	≅ 0.5μs	
MTBF	> 50000hours	
Power Supply	DC 12V 3A	
Power Consumption	< 30 Watt	
Impedence	50 ohm	

Mechanical Specifications

RF Connector	N-Female
Cooling	Heatsink convection cooling
Dimensions (DxWxH)	258 x 286 x 38 mm
Weight	6500 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C

