

MRE036

MR Tri-Band

Description

Our MR Tri-Band 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.

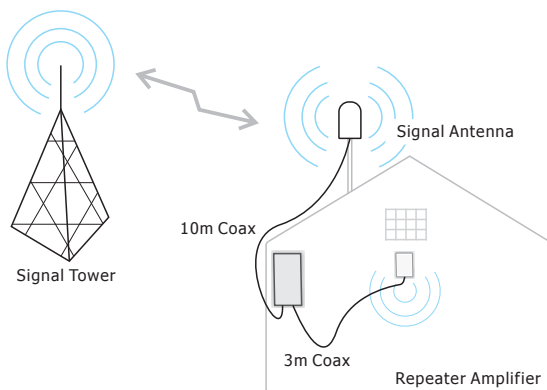
The MR Tri-Band Repeater Kit is compatible with all UK, Africa, Europe, Middle East, India and Asia mobile phone voice and data networks and effectively provides a strong and reliable signal in places with poor reception. The MR Tri-Band Kit comes with everything you need to boost coverage in your area!



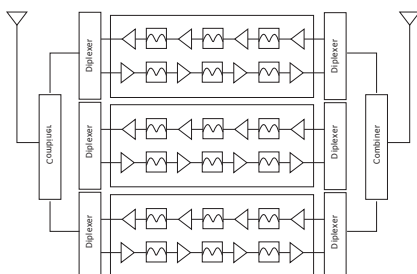
Key Features

- ✓ TRI-Band GSM 900/1800 and 3G
- ✓ 55 dB gain
- ✓ Coverage up to 250 sq m
- ✓ High gain signal antennas
- ✓ Supports 20 simultaneous users
- ✓ All GSM voice and all 3G networks
- ✓ Money back warranty

Working Principle



System Diagram



Package includes

- 1 x MR Tri-Band 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	≅ 55dB	≅ 60dB
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	N-Female
Cooling	Heatsink convection cooling
Dimensions (DxWxH)	194 x 235 x 30 mm
Weight	1700 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C

