

## 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 and European 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!



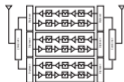
#### Key Features

- ✓ 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-3GHz)	± -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	3700 Gram
Environment Conditions	IP 40
Humidity	< 90%
Operating Temperature	-10C - 60C