



# UMTS / 3G Signal Repeater

Part No.: SD-RP1000W



The SD-RP1000W boosts the signal strength and coverage for all UMTS and 3G services.  
It is compatible with all Irish / UK/ European mobile phone operators.

**Designed and Manufactured in Ireland, EU**

Repeater Specifications		Electrical Specification	Indoor and Outdoor antenna
Frequency	1920-2170Mhz	Nominal Gain	9.4dBi
Coverage	1000m <sup>2</sup>	3dB beam Pattern	60° x 60°
No. of people	>100	Bandwidth	1.71 - 2.5GHz
Gain	Uplink Gp ≥ 50dB Downlink Gp ≥ 60dB	VSWR	≤1.4
Pass band ripple	≤ 4dB	Front to Back Ratio	>20dB
I/O impedance	50 ohm/N connector	Polarization	Vertical
Max signal strength	14dBm	Power Rating	50W
Ambient Temperature	-30 °C to +70°C	Impedance	50-OHM
Power supply input	110 - 240V AC	Termination	SMA male
Power supply output	12V DC	Cross Pol. Discrimination	-20dB
Oscillation Control	Automatic amplifier shut down if oscillation detected for >3 sec. To re-set, cycle DC power	Dimensions	210 x 180 x 43mm
AGC range	30dB	Weight	0.68kg
Surge protection	SMA connectors DC grounded 12V DC port MOV protected	Rated Wind velocity	126km/hr
		Working Temperature	-40 to +65°C

Mechanical Specifications - Repeater		Power Supply Specification	
Length	16cm	AC input	100-240V
Width	15cm		0.5A
Depth	3.5cm		50-60Hz
Weight	1Kg	DC output	12V
Windage(at 215kmph)	NA, indoor use only		1.25A max
Mounting	4 x 5mm holes for mounting		30W Max
Materials	HDG Steel	Typical power usage	6W