

StellaPreAmp^{900Mhz} Repeater kit

The StellaPreAmp900 Repeater boosts the signal strength and coverage for any service transmitted at 900Mhz. Currently, this always includes GSM and often 3G also. The pre-amp is installed close to the outdoor antenna to give your mobile signals that extra boost for long cable runs

It is compatible with all UK/ European mobile phone operators plus many others



Model number: SD-PA-G

Specifications

Frequency Specifications

Frequency bands:	880-960MHz
Gain:	Uplink Gp > 50dB Downlink Gp > 60dB
Pass band ripple:	< 4dB
No. of Ports:	Input Port: 1 x SMA, Output Port: 4 x SMA
I/O impedance:	50 ohm/N connector
Max uplink signal strength:	14dBm
Max downlink signal strength:	10dBm
Ambient Temperature:	-30°C to +70°C
Power supply input:	110 - 240V AC
Power supply output:	12V DC
Level Control:	Automatic*
Oscillation Control	Automatic
Uplink Switch Off	Yes**
AGC Range	30db

Power Supply Specification

AC input	100-240V 0.5A 50-60Hz
DC output	12V 1.25A max 30W Max
Typical power usage	6W

Mechanical Specifications - Repeater

Length	30cm
Width	26cm
Depth	6cm
Weight	2kg
Mounting	4 x 5mm holes for mounting
Windage	(at 215kmph) 16.2 kg
Mechanical Tilt	0-25 degrees
Mounting Pipe	5 cm pipe
Materials - Radome	UV stabilized Polystyrene White
Clamps	HDG steel + galvanised steel bolts

* Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between Basestation and Outdoor Antenna.

** The uplink amplifiers switch off when the repeater is not in use, thus reducing the up-link noise to almost zero. When the repeater is in use (eg phone call being made), the up-link amplifier switches on for the duration of the call and a blue LED switches on indicating this is the case.

Note: Specifications subject to change without notice.