

# StellaPreAmp<sup>2100Mhz</sup>

The StellaPreAmp2100 boosts the signal strength and coverage for any service transmitted at 2100Mhz. Currently, this includes the 3G standard. 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.



Model number: SD-PA-W

## Specifications

### Frequency Specifications

<b>Frequency bands:</b>	1.92 - 2.17GHz
<b>Gain:</b>	Uplink Gp > 50dB      Downlink Gp > 60dB
<b>Pass band ripple:</b>	< 4dB
<b>No. of Ports:</b>	Input Port: 1 x SMA, Output Port: 4 x SMA
<b>I/O impedance:</b>	50 ohm/N connector
<b>Max uplink signal strength:</b>	14dBm
<b>Max downlink signal strength:</b>	10dBm
<b>Ambient Temperature:</b>	-30°C to +70°C
<b>Power supply input:</b>	110 - 240V AC
<b>Power supply output:</b>	12V DC
<b>Level Control:</b>	Automatic*
<b>Oscillation Control</b>	Automatic
<b>Uplink Switch Off</b>	Yes**
<b>AGC Range</b>	30db

### Power Supply Specification

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

### Mechanical Specifications - Repeater

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