

StellaPreAmp^{triband} Repeater

The Stella PreAmplifier tri band Repeater boosts the signal strength and coverage for any service transmitted at 900Mhz, 1800Mhz and 2100Mhz. This includes all mobile standadrds: GSM, 3G and 4G. The pre-amp is installed close to the outdoor antenna to give your mobile signals that extra boost for long cable runs



Model number: SD-PA-GDW

Specifications

Frequency Specifications

Frequency bands:	880-960MHz + 1710-1880MHz + 1.92-2.17GHz
Gain:	Uplink Gp > 20dB Downlink Gp > 25dB
Pass band ripple:	< 2dBA
I/O impedance:	50 ohm/N connector
Max uplink/downlink signal strength:	18dBm / -35dBm
Ambient Temperature:	-30°C to +70°C
Power supply input:	110 - 240V AC
Power supply output:	12V DC
Oscillation Control	Automatic
Level Control:	Automatic*
Uplink Switch Off	Yes**
AGC Range	30db
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

Power Supply Specification

AC input	100-240V 1.2A 50-60Hz
DC output	12V 3A max 30W Max
Typical power usage	20W

Mechanical Specifications - Repeater

Length	43.5cm
Width	22.5cm
Depth	7.5cm
Weight	2.5kg
Mounting	4 x 5mm holes for mounting
Windage	(at 215kmph) 28 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.