

# StellaHome Repeater

The StellaHome repeater is ideal for providing mobile signal coverage in your home. As long as there is mobile signal outside your house, this booster will amplify it and send it about inside your house.

For the booster to work you must have at least 2 bars of mobile signal outside your house on your phone. This repeater is powerful and will provide coverage for about 4 rooms.

Several frequency combinations are available, see below..

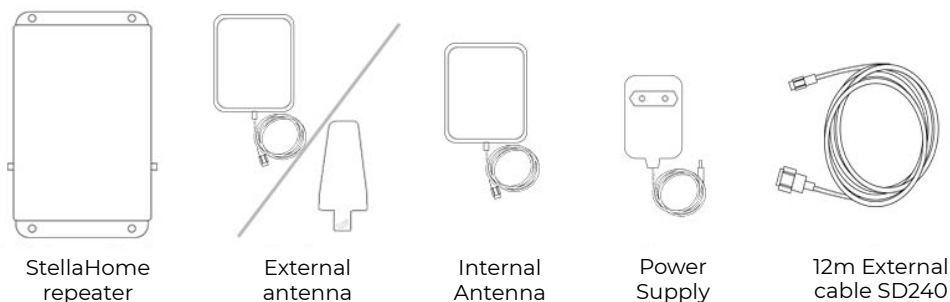


## Features:

- Coverage: ~4 rooms
- Compatible with all mobile operators
- Voice and data
- Simple and intuitive LED indicator
- Everything included for complete installation
- Legal and fully compliant to the EU standards.

Product code	Frequencies (MHz)	Weight	Dims	Power	Ports
SD-RP1002-L	800	0.6kg	15X16X3.5cm	12V, 0.5A	1
SD-RP1002-G	900	0.6kg	15X16X3.5cm	12V, 0.5A	1
SD-RP1002-D	1800	0.6kg	15X16X3.5cm	12V, 0.5A	1
SD-RP1002-W	2100	0.6kg	15X16X3.5cm	12V, 0.5A	1
SD-RP1002-H	2600	0.6kg	15X16X3.5cm	12V, 0.5A	1
SD-RP1002-LG	800/900	1.0kg	32X19X3.5cm	12V,2A	1
SD-RP1002-GW	900/2100	1.0kg	32X19X3.5cm	12V,2A	1
SD-RP1002-GD	900/1800	1.0kg	32X19X3.5cm	12V,2A	1
SD-RP1002-LGW	800/900/2100	1.2kg	40X19X3.5cm	12V,1.6A	1
SD-RP1002-GDW	900/1800/2100	1.2kg	40X19X3.5cm	12V,1.6A	1
SD-RP1002-LGDWH	800/900/1800/2100/2600	2.0kg	35X30X4.3cm	12V,2.6A	1

## Standard kit includes:



Do not use StellaDoradus repeaters with non StellaDoradus equipment.

Stelladoradus repeaters operate silently on the operators network. By using our equipment with competitors equipment you break this control system and could potentially harm the operators network. Doing so will void warranty.

\*Bands: Your repeater may be a subset of these bands.  
See options above.

Bands	B20	B8	B3	B1	B7
Frequency Downlink	791-821	925-960	1805-1880	2110-2170	2620-2690
Frequency Uplink	832-862	880-915	1710-1785	1920-1980	2500-2570

## Amplifier Specs

Coverage	~4 rooms
Gain	Uplink Gp: 60dB      Downlink Gp> 60dB
Pass band ripple	<4dB
I/O impedance	50 ohm/SMA female connector
Max up/down signal strength	20dBm / 10dBm
Ambient Temperature	-30°C to +70°C
Power supply input	110 - 240V AC
Power supply output	12v DC
Oscillation Control	Automatic
AGC Level Control:	Automatic <sup>1</sup>
Uplink Switch On	Yes <sup>2</sup>
AGC Range	30dB
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

\*Outdoor Yagi -LGDWH model. only

Antennas	Indoor Panel	Outdoor yagi*
Nominal Gain	6.4dBi / 9.4dBi	10dBi
3dB beam Pattern	60° x 60°	60° x 50°
Bandwidth	700MHz - 2700MHz	700MHz - 2700MHz
VSWR	<1.4	<1.5
Front to Back Ratio	> 20dB	> 20dB
Polarization	Vertical	Vertical
Power Rating	50W	50W
Impedance	50-OHM	50-OHM
Termination	SMA male	N-Female
Cross Pol. Discrimination	-20dB	-20dB
Dimensions	210 x 180 x 43mm	442 x 205 x 62mm
Weight	0.68kg	1.2kg
Wind velocity	126km/hr	140km/hr
Working temperature	-40°C to +65°C	-40°C to +65°C

<sup>1</sup>Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between the base station and the outdoor antenna.

<sup>2</sup>The uplink amplifiers switch off when the repeater is not in use. This reduces the uplink noise to almost zero. When the repeater is in use (phone call or data session), the uplink amplifiers switch on for the duration of the call/ data session only.