



STELLA DORADUS

# StellaHome REPEATER

The StellaHome repeater provides mobile signal coverage in the home.



**The StellaHome repeater amplifies the signal from the mobile operators, enabling clear voice calls in the home, as well as supporting the fastest internet speeds : 5G/4G/3G/2G.**

The external antenna in the kit is installed on the roof of the house where it receives the best signal from the mobile operators. The signal is amplified by the repeater and passed around the house, covering 2-5 rooms, depending on the size and shape of the house.

Several frequency combinations are available, see below.

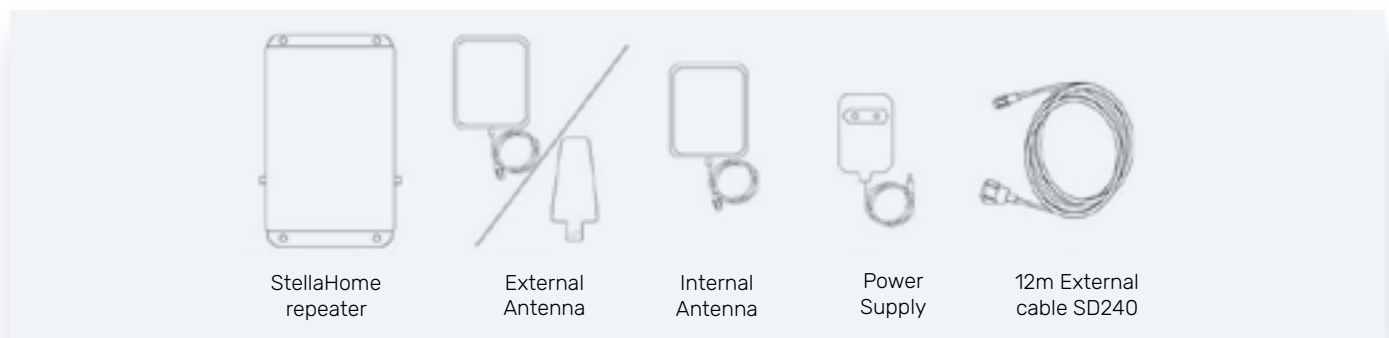
## Features

- Coverage: 2-5 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	PSU	Ports
SD-RP1002-L	800	0.6kg	15X16X3.5cm	12V, 1.5A	1
SD-RP1002-G	900	0.6kg	15X16X3.5cm	12V, 1.5A	1
SD-RP1002-D	1800	0.6kg	15X16X3.5cm	12V, 1.5A	1
SD-RP1002-W	2100	0.6kg	15X16X3.5cm	12V, 1.5A	1
SD-RP1002-H	2600	0.6kg	15X16X3.5cm	12V, 1.5A	1
SD-RP1002-LG	800/900	1.0kg	25X17X3.5cm	12V, 1.5A	1
SD-RP1002-GW	900/2100	1.0kg	25X17X3.5cm	12V, 1.5A	1
SD-RP1002-GD	900/1800	1.0kg	25X17X3.5cm	12V, 1.5A	1
SD-RP1002-LGW	800/900/2100	2.0kg	35X17X3.5cm	12V, 3A	1
SD-RP1002-GDW	900/1800/2100	2.0kg	35X17X3.5cm	12V, 3A	1
SD-RP1002-VLGDW	700/800/900/1800/2100	3.0kg	35X30X4.3cm	12V, 5A	1
SD-RP1002-LGDWH	800/900/1800/2100/2600	3.0kg	35X30X4.3cm	12V, 5A	1

## Standard kit includes:



Do not use non Stella equipment with Stella repeaters.

Stella repeaters operate silently on the operators network. Using Stella equipment with other manufacturers equipment will 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	2-5 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

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 path loss 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.

Note: Specifications subject to change without notice.



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