

# StellaHome-GW



Boosting mobile signal into your home and office

Do not use Stella Doradus repeaters with non stella doradus equipment.

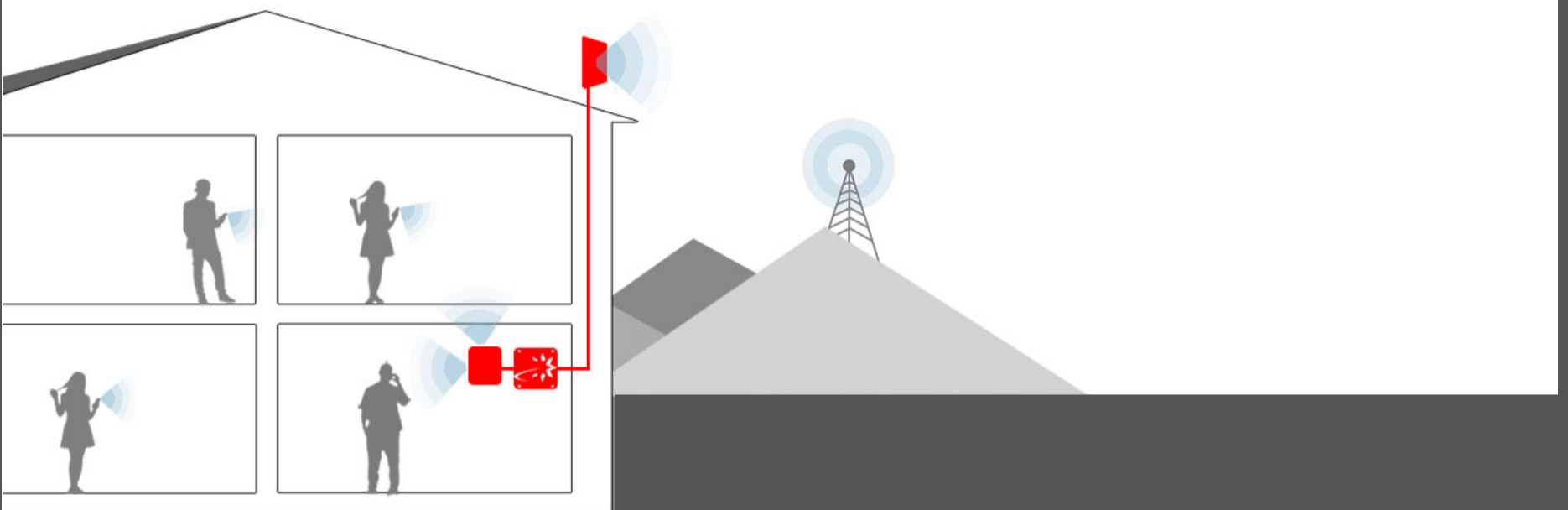
Stelladoradus repeaters operate silently on the operators network.  
By using our equipment with competitors equipment you break this  
control system and could potentially harm the operators network. Doing  
so will void warranty.

# StellaHome<sub>-GW</sub>

## How it works

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 the signal 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 quite powerful and will provide coverage for about 4 rooms.



## Features

Coverage: ~4 rooms (see coverage below)

Compatible with all mobile operators

Voice and data

Simple and intuitive LED indicator

No Sim card required, no extra bills

Everything included for complete installation

Legal and fully compliant to the EU standards.

## Inside the kit



StellaHome  
Repeater



Indoor Antenna



Outdoor  
Antenna



Power  
Supply



12m outdoor  
Cable

# StellaHome-GW

- Model number: SD-RP1002-GW
- Frequency: 900/2100Mhz



## Frequency Specifications:

Frequency bands(Mhz):	(880-960MHz) + (1.92-2.17GHz)
Coverage:	1000m <sup>2</sup> (open space)
Number of People:	unlimited
Gain:	Uplink Gp > 50dB      Downlink Gp> 60dB
Pass band ripple:	< 4dB
I/O impedance:	50 ohm/SMA female connector
Max uplink/downlink 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
Level Control:	Automatic*
Uplink Switch Off	Yes**
AGC Range	30db
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

## Antenna Specifications:

### Indoor / outdoor antenna

Nominal Gain	6.4dBi / 9.4dBi
3dB beam Pattern	60° x 60°
Bandwidth	790-960MHz + 1710-2700MHz
VSWR	<1.4
Front to Back Ratio	> 20dB
Polarization	Vertical
Power Rating	50W
Impedance	50-OHM
Termination	SMA male
Cross Pol. Discrimination	-20dB
Dimensions	210 x 180 x 43mm
Weight	0.68kg
Wind velocity	126km/hr
Working temperature	-40°C to +65°C

## Power Supply Specification:

AC	100-240V	50-60Hz
DC input	12V	2A
Typical power usage	15	

## Mechanical Specification:

Length	32cm
Width	19cm
Depth	3.5cm
Weight	1kg
Mounting	4 x 5mm holes for mounting

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

\*\* The uplink amplifiers switch off when the repeater is not in use, thus reducing the uplink noise to almost zero. When the repeater is in use (eg phone call being made), the uplink 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.