

StellaHome-LG



Boosting mobile signal into your home and office

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

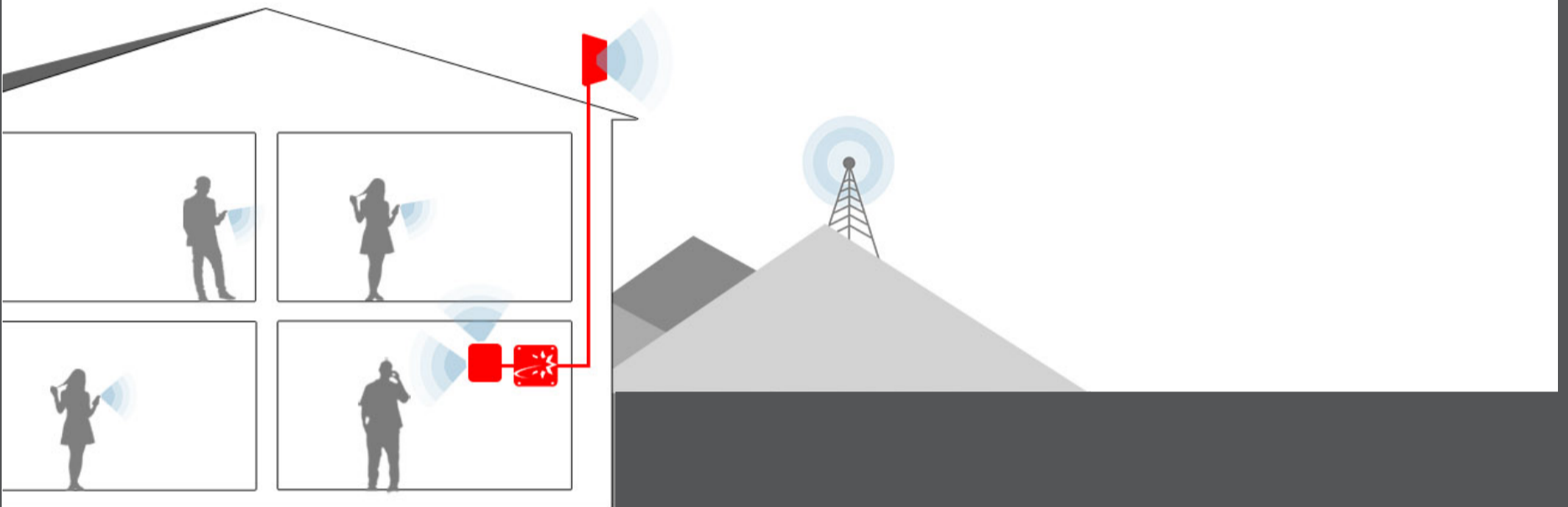
Stelladoradus repeaters operate silently on the operators network.
By using our equipment with competitors equipment you break this
control system and could potentially harm the operators network. Doing
so will void warranty.

StellaHome-LG

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-LG

- Model number: SD-RP1002-LG
- Frequency: 800/900Mhz



Frequency Specifications:

| | |
|--------------------------------------|---|
| Frequency bands(Mhz): | (791 - 862MHz) + (880-960MHz) |
| Coverage: | 1000m ² (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.