

StellaHome/Office Repeater Manual

SD-RP1002 Series



Complete operator protection:

Feedback detection.
AGC adjustment.
Uplink switch off.
Base station proximity aware

Kit contents:

The StellaHome/office repeater.
External antenna.
Coaxial cable.
Indoor antenna(s).

Home Repeater Specifications:

| | |
|--------------------------------------|---|
| Frequency bands (5 band) (MHz) : | (791-862) + (880-960) + (1710-1880) + (1920-2170) + (2500-2690) |
| Coverage: | Home: 1000m ² : |
| Number of People: | Unlimited number of calls / data sessions |
| Gain: | Uplink Gp : 55dB Downlink Gp: 55dB |
| Pass band ripple: | < 4dB |
| I/O impedance: | 50 ohm/N 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 |
| Network Protection Features | Automatic |
| Uplink Switch Off | Yes |
| AGC Range | 30db |
| Surge protection | SMA connectors DC grounded, 12V DC port MOV protected |

Antenna Specifications:

Nominal Gain
3dB beam Pattern

Panel

6.4dBi / 9.4dBi
60° x 60°

LPDA

10dBi / 11 dBi
65° x 50°

Power Supply Specification:

| | | |
|---------------------|----------|---------|
| AC | 100-240V | 50-60Hz |
| DC input | 12V | |
| Typical power usage | 6W | |



Declaration of Conformity

We, Stella Doradus Europe Ltd, Coolfin, Portlawn, Co. Waterford, Ireland, declare under our sole responsibility that the products:

Cellular Repeater Models

| | | | |
|-------------|-----------------|------------------|--------------------|
| SD-RP1002-L | SD-RP1002-LG-DW | SD-RP1002-GD | SD-RP1002-GW-4P |
| SD-RP1002-G | SD-RP1002-GW | SD-RP1002-LGW | SD-RP1002-LGW-4 |
| SD-RP1002-D | SD-RP1002-LG | SD-RP1002-GD-4P | SD-RP1002-LGDWH-4P |
| SD-RP1002-W | SD-RP1002-LGDWH | SD-RP1002-G-4P | SD-RP1002-W-4P |
| SD-RP1002-H | SD-RP1002-GDW | SD-RP1002-GDW-4P | SD-RP1002-LG-4P |

To which this declaration relates is in conformity with the following standards of other normative documents:

| Essential Requirement | | Applied Standards | Documentary Evidence | Result |
|-----------------------|--------|--|------------------------|--------|
| Article 3.1(a) | Safety | EN 60950-1: 2006 A11:2009 A12:2011 A1:2010 A2:2013 | Test Report 16S6498-1 | Pass |
| Article 3.1(a) | Health | EN 50385:2002 | Test Report 14E5078-4a | Pass |
| Article 3.1(b) | EMC | ETSI 301 489-1 V1.9.2 (2011-09) ETSI 301 489-50 V2.1.1 (2017-02) EN 61000-3-2 (2014) EN 61000-3-3 (2013) | Test Report 17E6947-1 | Pass |
| Article 3.2 | Radio | EN 301 908-1 V11.1.1 (2016-07) | Test Report 17E6976-1c | Pass |
| | | EN 301 908 -11/-15 V11.1.2 (2017-01) EN303 609 V12.5.1 (2017-01) | Test Report 17E6976-1c | Pass |

2014/35/EU Low Voltage Directive

2014/30/EU Electromagnetic Compatibility Directive

2014/53/EU RED Directive

We hereby declare that all essential radio test suites have been carried out and that the above named product is in conformity to all the essential requirements of Directive 2014/53/EU RED.


Signed:

Date: 2-12-21.....

James Browne, Co. Waterford, Ireland

Technical Director

The product should be identified by the respective  Mark

 :Permission from all operators must be granted before connecting this device.

This equipment requires a licence in all EU countries

For use in all EU countries:

AT, BE, BG, HR, CY, CZ, DE, DK, EE, FI, FR, EL, HU, IE, IT, LV, LT, LU, MT, ES, NL, PL, PT, RO, SI, SK, UK

Interfaces: GSM, 3G UMTS, 4G LTE