

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 : Office: 4X1000m ²
Number of People:	Unlimited number of calls / data sessions
Gain:	Uplink Gp : 50dB Downlink Gp: 60dB
Pass band ripple:	< 4dB
I/O impedance:	50 ohm/N connector
Max uplink/downlink signal strength:	17dBm / 3dBm
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
DC input
Typical power usage

100-240V 50-60Hz
12V
6W

Declaration of Conformity

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

Cellular Repeater Models

SD-RP1002-L	SD-RP1002-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 17E6976-1b	Pass
	EN 301 908 -11/-15 V11.1.2 (2017-01) EN303 609 V12.5.1 (2017-01)	Test Report 17E6976-1b	Pass
Article 3.2 Network Protection technical File		Test Report 14E5078-2c	Pass

Notified Body: Compliance Engineering Ireland. No. 1595

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

2014/35/EU Low Voltage Directive

2014/30/EU Electromagnetic Compatibility Directive

2014/53/EU RED Directive

The product should be identified by the respective **CE 1595**  Mark

CE 1595 : Permission from all operators must be granted before connecting this device.

Signed: 

Date: 4-4-18

James Browne

Technical Director

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