

# 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 <sup>2</sup> :
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