



Stella Doradus

SOHO Repeater

The Stella SOHO repeater provides mobile signal coverage in small offices.



SOHO Series



MODEL	WEIGHT	DIMS CM	FREQ (MHZ)	PORTS
R1-SOHO	0.6KG	15x16x3.5	800	1
R2-SOHO	1KG	25x17x3.5	800/900	1
R3-SOHO	2KG	35x17x3.5	800/900/2100	1
R5-SOHO	3KG	35x30x4.3	700/800/900/1800/2100	1

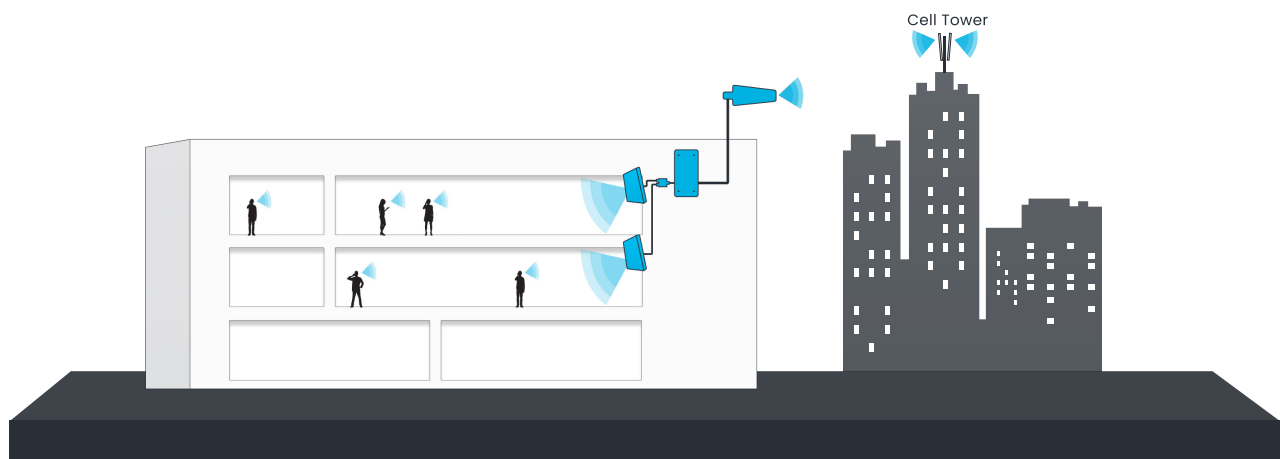
The Stella SOHO repeater amplifies the signal from all mobile operators, enabling clear voice calls in small offices, as well as supporting the fastest internet speeds : 5G/4G/3G/2G.

Features:

- Covers 2-5 Rooms
- Compatible with all mobile operators
- Voice and 4G/5G data
- LED indicators
- Fully compliant to EU standards

How it Works

An external antenna, installed on the roof of the building, receives the signal from all mobile operators. This signal is passed inside the building to a repeater, which amplifies the signal and passes it to all desired areas in the office via multiple indoor antennas. All mobile phones and 5G/4G and GSM devices will now have full signal for calls and fast data.



Internal antenna



StellaSOHO
Repeater



External 12m
cable SD240



Panel Antenna

Do not use Stella repeaters with non Stella equipment.

Stella repeaters operate silently on the operators network. Using Stella equipment with other manufacturers equipment will break this control system and could potentially harm the operators network. Doing so will void warranty.

Specifications

EU Bands	B28	B20	B8	B3	B1	
Downlink	758-788	791-821	925-960	1805-1880	2110-2170	
Uplink	703-733	832-862	880-915	1710-1785	1920-1980	

Amplifier Specification

Coverage	2-5 Rooms	
Gain	Uplink Gp: 60dB	Downlink Gp> 60dB
Pass band ripple	<4dB	
I/O impedance	50 ohm/SMA female connector	
Max up/down 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	
AGC Level Control:	Automatic ¹	
Uplink Switch On	Yes ²	
AGC Range	0 to 30dB	
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected	

Antennas	Indoor Panel	Outdoor Yagi
Nominal Gain	6.4dBi / 9.4dBi	10dBi
3dB beam Pattern	60° x 60°	60° x 50°
Bandwidth	700MHz - 2700MHz	700MHz - 2700MHz
VSWR	<1.4	<1.5
Front to Back Ratio	> 20dB	> 20dB
Polarization	Vertical	Vertical
Power Rating	50W	50W
Impedance	50-OHM	50-OHM
Termination	SMA male / N-Female	N-Female
Cross Pol. Discrimination	-20dB	-20dB
Dimensions	210 x 180 x 43mm	442 x 205 x 62mm
Weight	0.68kg	1.2kg
Wind velocity	126km/hr	140km/hr
Working temperature	-40°C to +65°C	-40°C to +65°C



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