

# StellaDrive<sup>900MHz</sup> Repeater

The StellaDrive900 Repeater boosts the signal strength for all mobile devices used in a vehicle.

Different connection adapter are required for different devices.

It is compatible with all Irish / UK/ European mobile phone operators.



## Specifications

Model number: SD-VA-G

### Frequency Specifications

<b>Frequency bands:</b>	880-960MHz
<b>Coverage:</b>	Direct connect
<b>Number of People:</b>	1 (Direct connect)
<b>Gain:</b>	Uplink Gp > 25dB      Downlink Gp > 25dB
<b>Pass band ripple:</b>	< 4dB
<b>I/O impedance:</b>	50 ohm/N connector
<b>Max signal strength</b>	24dBm uplink; -25dBm downlink
<b>Ambient Temperature:</b>	-30°C to +70°C
<b>Power supply input:</b>	110 - 240V AC
<b>Power supply output:</b>	12V DC
<b>Level Control:</b>	Automatic
<b>Oscillation Control:</b>	Automatic
<b>AGC:</b>	Yes

### Antenna Specifications

#### Outdoor Antenna

<b>Nominal Gain</b>	2dBi
<b>3dB beam Pattern</b>	omni
<b>Bandwidth</b>	800-2500MHz
<b>VSWR</b>	<1.4
<b>Polarization</b>	Vertical
<b>Power Rating</b>	50W
<b>Impedance</b>	50-OHM
<b>Termination</b>	SMA male
<b>Cross Pol. Discrimination</b>	-20dB
<b>Dimensions</b>	10cm
<b>Weight</b>	0.68kg
<b>Rated wind velocity</b>	160km/hr
<b>Working temperature</b>	-40°C to +65°C

### Power Supply Specification

<b>AC input</b>	12V 0.5A 50-60Hz (car cigarette socket)
<b>Typical power usage</b>	6W

### Mechanical Specifications - Repeater

<b>Length</b>	16cm
<b>Width</b>	15cm
<b>Depth</b>	3.5cm
<b>Weight</b>	0.6kg
<b>Mounting</b>	4 x 5mm holes for mounting

\* Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between Basestation and Outdoor Antenna.

Note: Specifications subject to change without notice