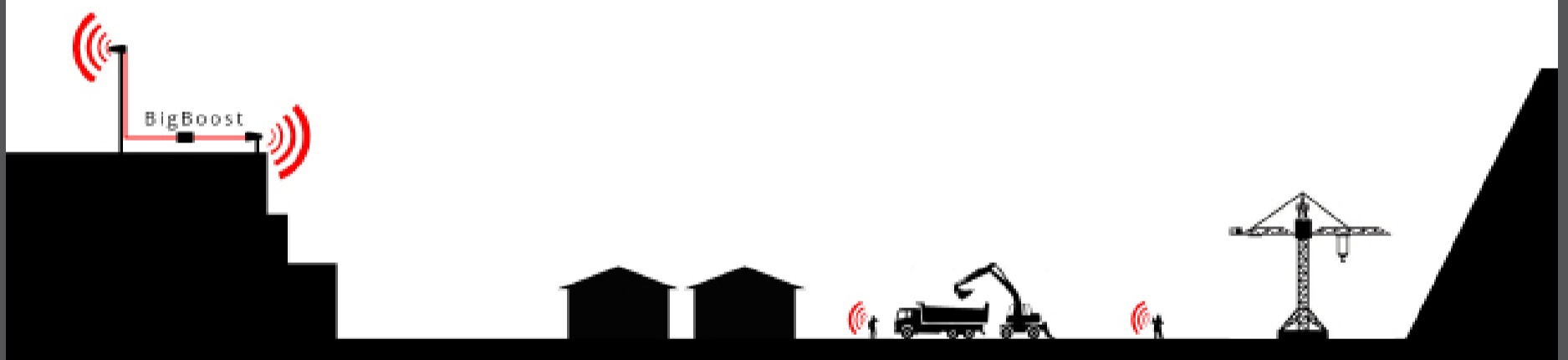


BigBoost^{LG}

Boosting mobile signal in large open areas



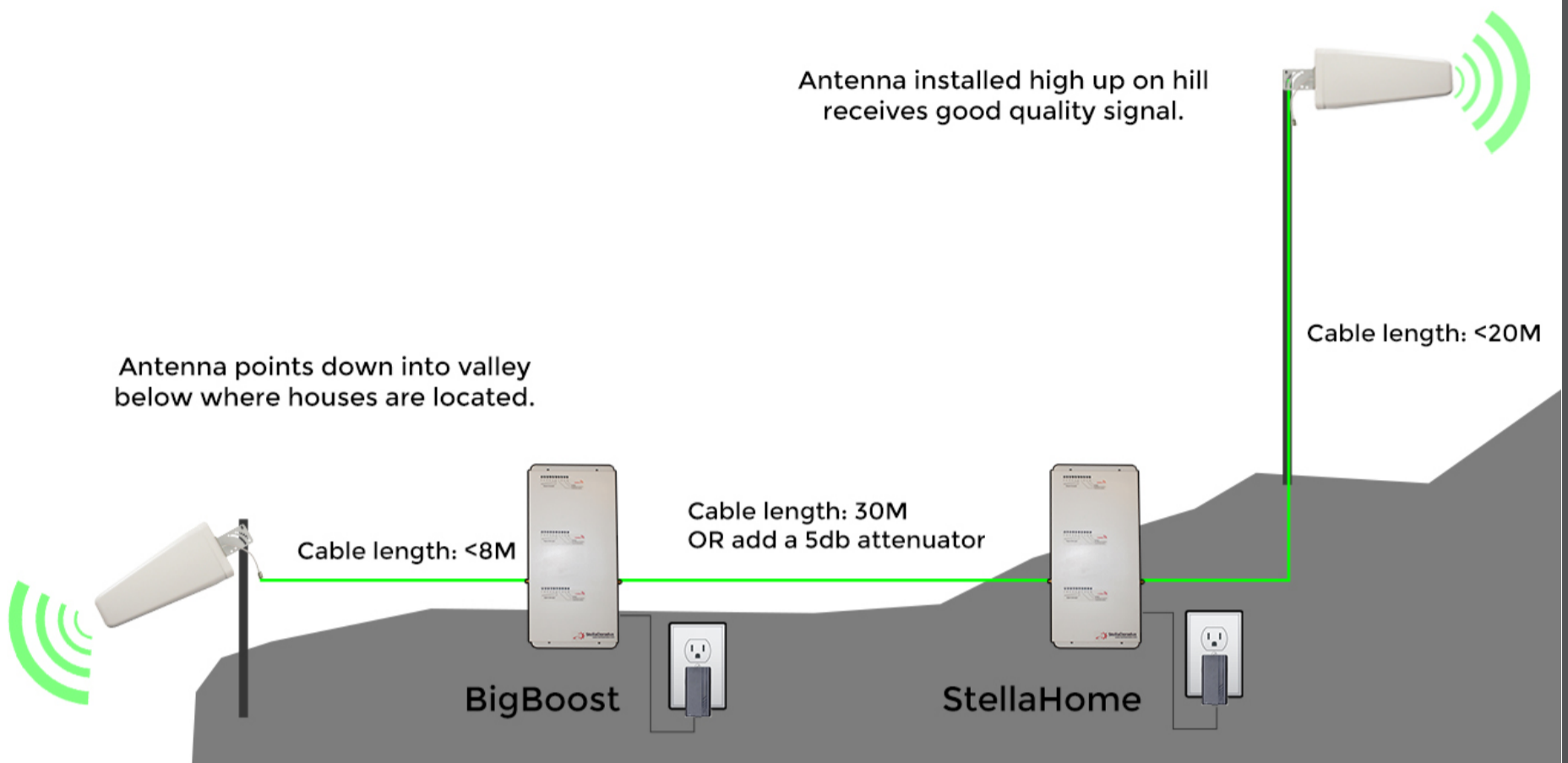
800/900MHz

Do not use the BigBoost repeater with non stella doradus equipment.

Stelladoradus repeaters operate silently on the operators network. By using our equipment with competitors equipment you break this control system and could potentially harm the operators network. Doing so will void warranty.

DO NOT use the BigBoost with any other type of repeater EXCEPT the Stellahome.

BigBoost_{LG}



The Bigboost system should be installed on a high up location where there is very good mobile signal.

One of the Yagi antennas is used here to point at the operators base station. It receives the signal and sends it to the Stellahome repeater. The Stellahome then sends the signal to the BigBoost, which adds big amplification.

The bigboost then sends this amplified signal to 1 or 2 antennas that point down into areas that require coverage.

The BigBoost system

The BigBoost system consist of the bigboost repeater itself AND a stellahome repeater. They work together. See the diagram above.

The system is self monitoring and does not require any management.

BigBoost_{LG}

- Model number: SD-BIG-LG
- Frequency(MHz): 800/900
- Networks: 4G / 3G / GSM



Frequency Specifications:

Frequency bands(Mhz):	(791 - 862MHz)+ (880-960MHz)
Range(depends on received signal):	~400m
Number of People:	unlimited
Gain:	Uplink Gp > 20dB Downlink Gp> 20dB
Pass band ripple:	< 4dB
I/O impedance:	50 ohm/N connector
Max uplink/downlink signal strength:	0dBm / 18dBm
Ambient Temperature:	-30°C to +70°C
Power supply input:	110 - 240V AC
Power supply output:	12v DC
Oscillation Control	Automatic
Level Control:	Automatic*
Uplink Switch Off	Yes**
AGC Range	30db
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

Antenna Specifications:

Indoor / outdoor antenna

Nominal Gain	6.4dBi / 9.4dBi
3dB beam Pattern	60° x 60°
Bandwidth	790-960MHz + 1710-2700MHz
VSWR	<1.4
Front to Back Ratio	> 20dB
Polarization	Vertical
Power Rating	50W
Impedance	50-OHM
Termination	SMA male
Cross Pol. Discrimination	-20dB
Dimensions	210 x 180 x 43mm
Weight	0.68kg
Wind velocity	126km/hr
Working temperature	-40°C to +65°C

Power Supply Specification:

AC	100-240V	50-60Hz
DC input	12V	1A
Typical power usage	12W	

Mechanical Specification:

Length	32cm
Width	19cm
Depth	3.5cm
Weight	1kg
Mounting	4 x 5mm holes for mounting

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

** The uplink amplifiers switch off when the repeater is not in use, thus reducing the uplink noise to almost zero. When the repeater is in use (eg phone call being made), the uplink amplifier switches on for the duration of the call and a blue LED switches on indicating this is the case.

Note: Specifications subject to change without notice.