

# BigBoost tri band

..amplifying mobile signal into large outdoor areas

Antenna on nearby hilltop where signal is good.

Antenna sends signal to houses in valley.  
Range: 1km

BigBoost  
repeater system

900/1800/2100Mhz

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

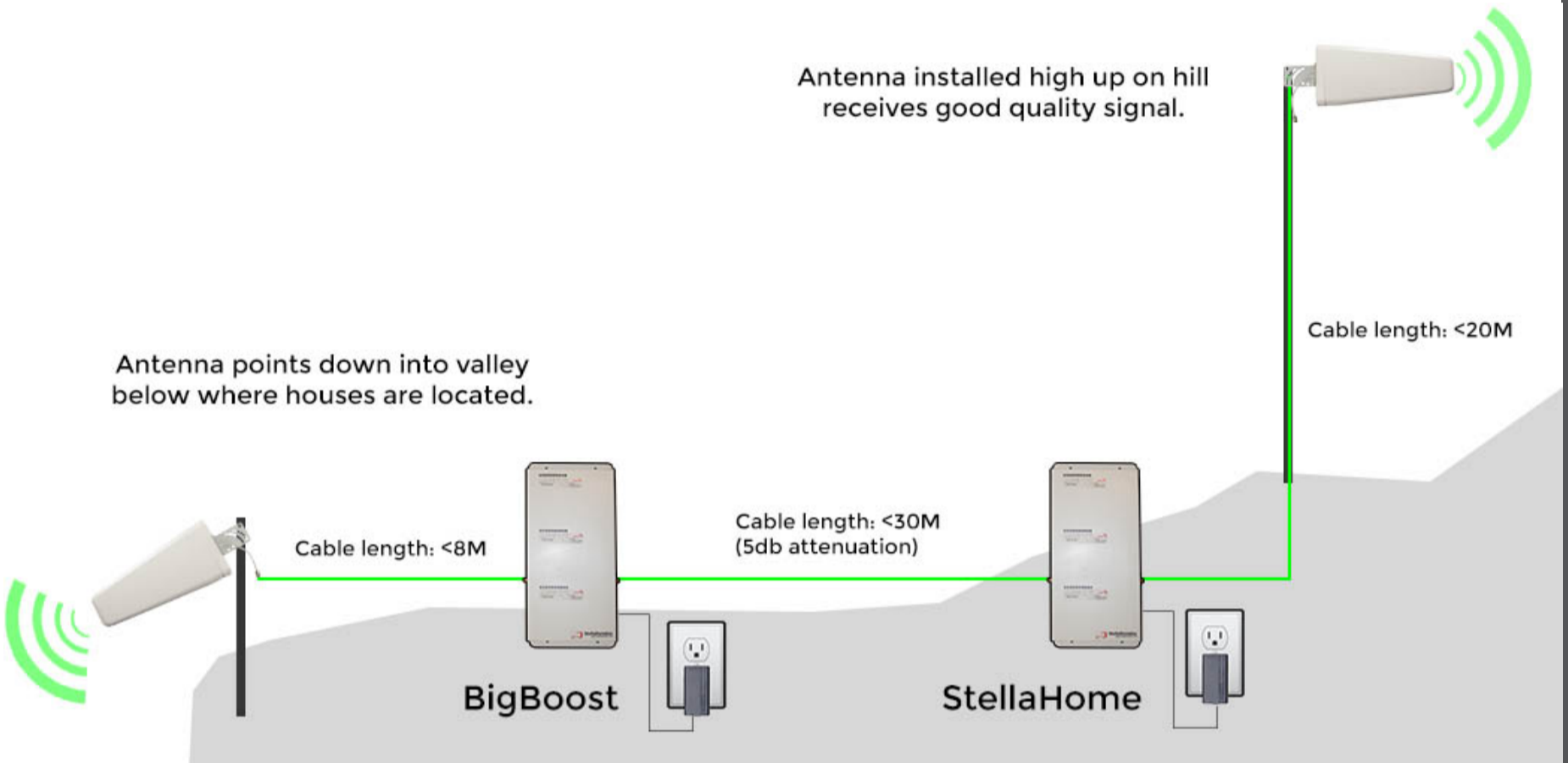
Stelladoradus repeaters operate silently on the operators network. By using our equipment with competitors equipment you break this control system and could potentially harm the operators network. Doing so will void warranty.

The BigBoost must be used with the stellahome tri band.  
DO NOT use the BigBoost with any other type of repeater EXCEPT the stellahome tri band.

# BigBoost

tri band

## How it works:



**NOTE:** The cable length values shown above are only approximate. In practice, they will vary depending on the incoming signal strength.

## Suitable for:

- Villages in valleys with no signal
- Quarries
- Open pit mines

## -Features-



All mobile operators get boosted

For example, If you are with one network and your friend is with another, no problem, both of you can use the booster.



Unlimited number of calls at the same time.

You can be calling on your phone while at the same time your friend can be using data on their phone.. at the same time..



No broadband connection needed.

No need for a broadband connection for a signal booster to work.

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tri band

- Model number: SD-BIG-GDW
- Frequency: 900/1800/2100Mhz
- Networks: GSM + 3G + 4G\*

\*only certain operators transmit 4G at 1800Mhz



## Frequency Specifications:

Frequency bands(Mhz):	(880-960MHz) + (1710-1880MHz) + (1.92-2.17GHz)
Range(depends on received signal):	~3Km
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	1.6A
Typical power usage	20W	

## Mechanical Specification:

Length	40cm
Width	19cm
Depth	3.5cm
Weight	1.2kg
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.