Operational description:

To comply with FCC NPS (Network Protection Standard) requirements: NPS and other compliance/ safeguard features for AGC and anti-oscillation have been implemented. NPS and other compliance/ safeguard features are defaulted to be "On" (in operation). NPS and other compliance/safeguard features can not be field reconfigured, disabled or removed. This booster is not user programmable, does not need fine tuning or adjustment, does not require professional installation. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.

The antenna for the device has a 10 meter above ground maximum antenna height limitation when the device is used with a handset that covers the 1710-1755 MHz band. Violation of this rule could be subject to potential FCC enforcement action for noncompliance.

This device may be operated ONLY in a fixed location for in-building use.

This is a CONSUMER device.
BEFORE USE, you MUST REGISTER THIS DEVICE with your wireless provider and have your provider's consent.

Contact information for Booster registration:

Some providers have set up web-sites for booster registration. If you don't see your provider on this list, please contact your provider for information on how to register your booster.

AT&T: https://securec45.securewebsession.com/attsignalbooster.com/

Verizon: http://www.verizonwireless.com/solutions-and-services/accessories/register-signal-booster/

T-mobile: https://www.signalboosterregistration.com/

Sprint: https://www.sprint.com/legal/fcc_boosters.html

Us Cellular: http://www.uscellular.com/uscellular/support/fcc-booster-registration.jsp

WARNING. E911 location information may not be provided or may be inaccurate for calls served by using this device.

Made in North America

FCC Approved

stealth tech® Automatic power control protects the Cellular Network

Stealth Z6 4G LTE

High Power Building Boosters
Z660 Z665 Z672

6 BAND MULTI BAND
Building *60 -72dB*

User Manual

BBUZ6 Series USA

Cellular *RX/TX* ***60-72dB 6 BAND***
Signal Booster ***MULTI BAND 60-72dB***
High Power Building Booster

2G, 3G, 3G+, 4G, 4G+

GSM,HSPA,CDMA,LTE, LTE A

Band 12,17	700MHz Lower
Band 13	700MHz Upper
Band 5	850MHz
Band 4	1700/2100MHz
Band 2,25	1900MHz ext

model shown: BBUZ660

stealth tech®

In 2001 SmoothTalker produced the first digital mobile cellular signal booster in North America with FCC and ICAN approval. We continue to lead with the most powerful and intelligent boosters in the world.
Our dynamic adaptive proprietary algorithms make them very network friendly.
We call it STEALTH TECH technology.

1-877-726-3444 ***Smoothtalker.com***

1) **Installation:**
Connect the inside antenna and the outside antenna as shown in Fig. 1, Pg. 4.

2) **Outside antenna:**
a) Place outside antenna outside of the house in the area that has the best signal.
b) If outside location is unavailable, place the outdoor antenna on a window with the best signal.

3) **Inside Antenna:** Connect the inside antenna as shown in Fig. 1, Pg. 4.

4) **Separation:** Increase the distance of the outside and inside antenna as much as possible to maximize coverage and avoid gain reduction. A vertical distance of at least 6 meters or a horizontal distance of at least 15 meters between the Outside Antenna to the Inside Antenna should be maintained.

5) **Power:** Connect the power supply to the booster and turn it on.

6) **Coverage:** Use your cell phone to determine if coverage is OK. If coverage is not adequate, please look at the Green and Orange lights to determine if the booster has automatically turned down its gain per LED Gain Chart on Pg. 6. If so pls try to separate or move antennas as per explantion on Pg. 5/6.

Important: Use only the power supply included with the booster. Connecting any other power supply at any time will result in damage to the booster and will void the warranty. Do not turn on the power switch until ALL cables have been screwed or plugged into the booster or you can cause damage to the booster.

Optional Dual Inside Antenna Installation (Fig. 2)

(Additional parts required which are not included in Booster kit
See page 2 for list of approved equipment)

1) Choose a splitter model for your needs. For 2 interior antennas use a 2 way splitter and for 3 interior antennas use a 3 way splitter etc…

2) Mount the interior antennas in the areas which need cellular coverage

3) Evenly distribute the antennas throughout the floors and areas to cover

4) Turn on Booster unit and check signal strength improvement as needed

If you need help pls contact techsupport@smoothtalker.com and we will help you determine your cell tower location and get you setup.

techsupport@smoothtalker.com Tel: 1 877 726 3444

Typical Installation (Fig. 1)
(All parts are included in Booster kit.)

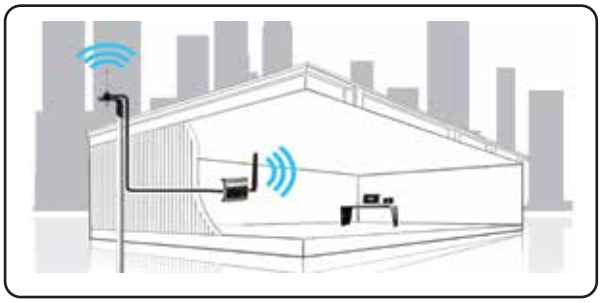


Fig. 1

Optional Dual Inside Antenna Installation (Fig. 2)
(Additional parts required which are not included in Booster kit.)

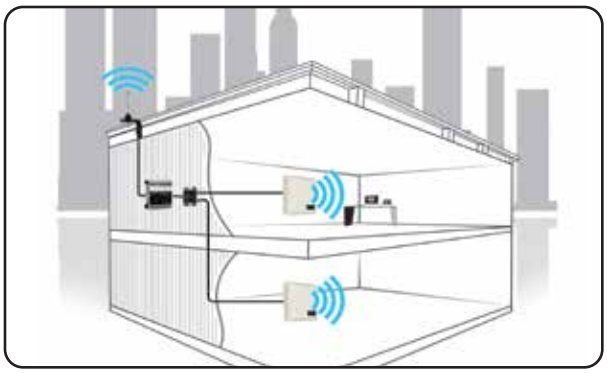
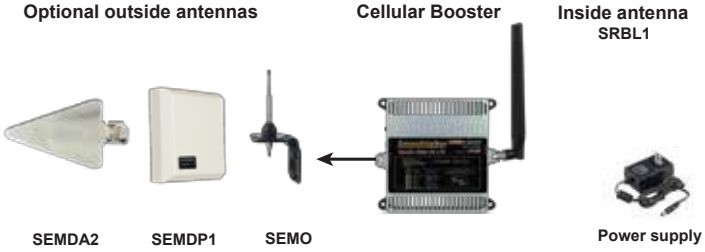


Fig. 2

Contents



NOTE:
Only one of the outside antennas is included in this kit. All kits include necessary brackets and co-axial cables for assembly.
It is normal for the booster to be quite warm while the phone is in use state. All parts shown are not included in all kits.
Please check your model number for more details at smoothtalker.com

To comply with FCC rules, this booster must only be operated with cables, antennas and coupling devices that have been approved for use with this equipment.

SPECIFICATIONS Stealth Z6 4G LTE 2G, 3G, 3G+, 4G, 4G+, GSM, HSPA, CDMA, LTE, LTE A			
Frequencies MHz	700 upper 700 lower 850 1700/2100 1900		
Model	BBUZ660	BBUZ665	BBUZ672
Gain	60	65	72
Max Power TX: dBm	24.0	24.0	24.0
Max Power RX: dBm	0.0	0.0	0.0
Operating temp	-22 F + 185 F	Power supply	120V AC/DC
Dimensions	L 5.0 x W 4.75 x H 1.25 (inch)		Weight 1.2 lbs

LED Lights Explanation and Troubleshooting

The LED lights on the booster face plate indicate the operating gain state of the booster.

The Green and Orange lights indicate the gain status in each operating band When Both Green and Orange LED's are "SOLID ON" it means that the booster is operating normally with full gain (No Automatic Gain Reduction)

When one or both of the LEDS are flashing (Per the chart on Pg. 6) it indicates that the gain has been automatically reduced due to either:
A) High RX outside signal level (close to cell tower)
B) Loop Oscillation, caused when the inside antenna is located too close to the outside antenna.

Each flash indicates 3dB of gain reduction also known as gain attenuation. For example: three flashes equals 9dB of attenuation.

Green LED indicates loop oscillation status. When flashing it means reduction of gain. To improve you need to spread the distance between the inside and outside antennas. If you spread them far enough away, the Green LED will become SOLID ON.

Orange LED indicates RX (outside signal) status.
There are 5 Orange LED lights: 700 Mhz Lower, 700 Mhz Upper, 850 Mhz, 1700/2100 Mhz,1900 Mhz ext. LED ON state indicates that the RX (Receive Signal) function of the band is functioning normally.
LED OFF state indicates that the band is shut down.

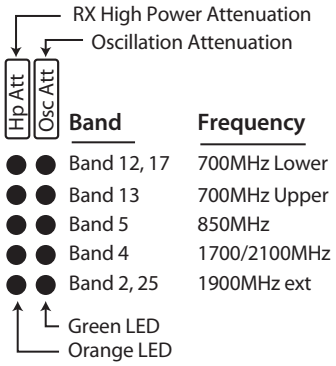
When Orange LED is flashing it indicates reduced gain also known as attenuation of gain. You cannot prevent this condition. It means that the outside signal is very strong and the booster has reduced it's gain in order to protect the closest cell tower. If the cell tower which is close is the one you are using, then you can ignore the gain reduction and you will still get enough signal strength to cover your area. In this case this is the normal operating process.

If the close cell tower is not the one you are using, then you can try to relocate your outside antenna away from this cell tower and face it or point it to the cell tower you are using in order to get more gain.

If you need help pls contact techsupport@smoothtalker.com and we will help you determine your cell tower location and get you setup.

techsupport@smoothtalker.com Tel: 1 877 726 3444

Understanding the LED Indicators



LED Lights Status Explanation

Attenuation (Att) Each flash indicates up to 3dB of gain reduction also known as gain attenuation. For example: three flashes equals 9dB of attenuation.	**ORANGE LED** **High Power**	**GREEN LED** **Oscilation**
Orange Solid ON = Full Gain & Green Solid ON = Full Gain No Flashing = Full Gain	ON SOLID ON	ON SOLID ON
Orange Solid ON & Green Slow Flashing = Oscillation Att Each Flash = up to 3dB of gain reduction	ON SOLID ON	SLOW FLASHING
Orange Off & Green Fast Flashing = Oscillation Shutdown Fast Flashing = booster shutdown (pls troubleshoot)	OFF	FAST FLASHING
Orange Slow Flashing & Green Solid ON = RX High Power Att Each Flash = up to 3dB of gain reduction	SLOW FLASHING	ON/ SOLID ON

Approved Equipment List

For specifications of any of the Smoothalker FCC approved part numbers listed below visit smoothtalker.com
FCC requirements prohibit the use of unauthorized Antennas, Cables, and/or Coupling devices.

You MUST operate this device with approved antennas and cables as specified by the manufacturer. Antennas MUST be installed at least 8 inches from any person. You MUST cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

ANTENNA CABLES	**SPLITTERS**
ACX100X, ACX900X	ADCSPN2
CBXmaXfe10,20,30,40,50,60	ADCSPN3
CBNmaNfe10,20,30,40,50,60	ADCSPN4
CBGmaGfe 10,20,30,40,50,60,70,80,90,100	ADCSPG2
CBL4maL4fe 10,20,30,40,50,60,70,80,90,100	ADCSPG3
ANTENNAS	ADCSPG4
SEM2THL, 11THL, 14THL, 26THL series	
SRP1X , SRP1XL	
SRBL series	
SEMD1 series	
SEMDA2 series	
SEMO series	
SEMDP1 series	
SEMDY series	
SEMDYD series	