User Guide

EZ Connect

Single Band Consumer Booster

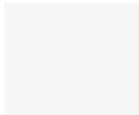Table of Contents

Chapter 1 Introduction

1.2   In the Box

Remove Contents from packaging

- Receiving Unit
- Receiving Cable RG-174 (30')
- Inside Antenna
- Inside Cable   RG-174 Cable (10 ft)
- Power Injector
- Power Supply

## 1.3   System Requirements

Download the SureCall EZ Connect app for easy installation

1.4   Key Features

- Band 13
- DL Gain +10 dBm ERP / UL Gain +28 dBm EIRP
- IP66 Weatherproof booster can be mounted inside or outside; multiple mounting options
- Bluetooth connectivity with app that features signal meter to aid installation
- Remote monitoring via integrated NB-IoT module and SureCall Cloud
- Features Extended Range Technology (ERT) to maximize performance

1.5   Interface and LEDs

Product diagram
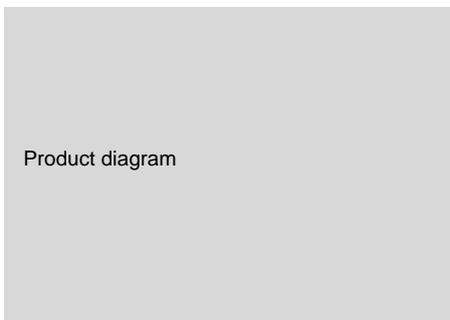
1.6   How it works

1. The receiving unit is used to communicate with your Verizon tower. It is placed in the area of best signal and aimed toward the tower in order to pick up the strongest signal.
2. The receiving unit also amplifies the received signal and sends it to the inside panel antenna.
3. The inside panel antenna broadcasts the signal to your mobile devices and then back to the cell tower.

Chapter 2 Before Installation

2.1   EZ Connect Assembly

Ensure adequate separation between the planned locations of the receiving unit and inside antenna. Confirm signal from cell tower at outside location is adequate

Create a soft installation placing the components in approximate locations – with the receiving antenna in the location with best signal and indoor antenna facing the area signal is needed. Assemble main components and add power

Receiving Unit

Indoor Panel Antenna

cable

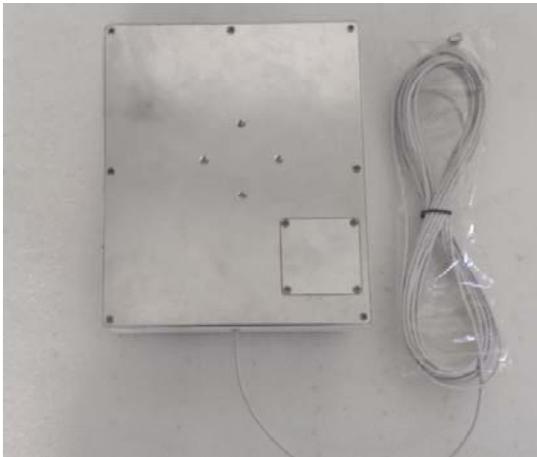Antenna cable

Power Injector

Power Supply
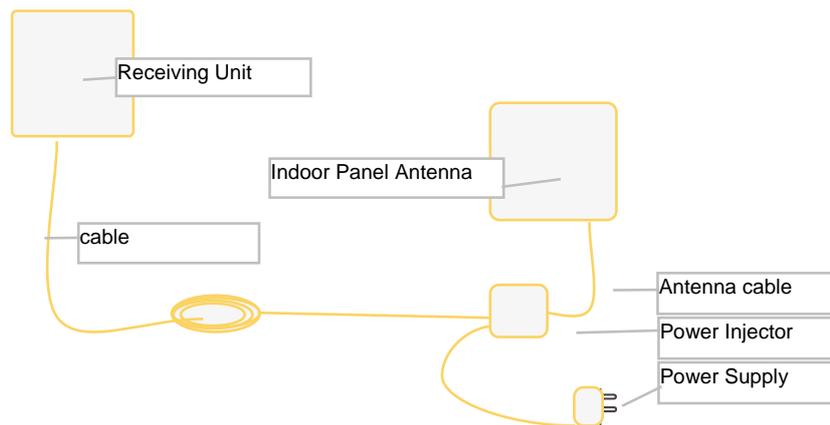
2.2   Identify Optimal placement for EZ Connect

Scan and download the SureCall app to pair with your EZ Connect.

Use the app to see real time feedback to guide you to the best placement for both components.
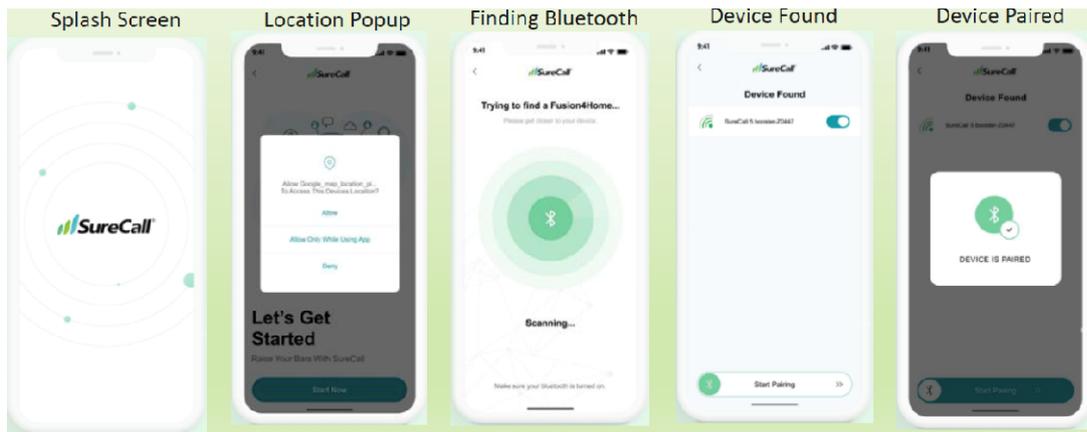
2.2.1 Receiving Unit

Identify window location facing your closest tower that receives the strongest signal.

20' separation is recommended when receiving unit is outside

30' separation is recommended when receiving unit is placed inside

2.2.2 Panel Antenna

Place the indoor panel antenna where signal is needed and adequately distanced from your Receiving unit.

At least 20 ft from the receiving unit if placed outside and at least 30 ft from the receiving unit if placed inside

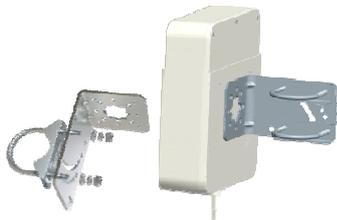# Chapter 3 Installation

3.1   Mount Receiving Unit

Multiple mounting options are provided: Roof mount (recommended), wall mount and Window mount

Option 1: Roof Mount

Option 2: Wall Mount

Option 3: Window mount

Once you have determined the inside location with the strongest signal, place the receiving unit in that location. 3M tape is provided for mounting on window surface.

3.2   Mount inside antenna

Choose to set on a desktop or mount to a wall.

Receiving Unit   Indoor Panel Antenna

Refer to app to check for isolation issues

Chapter 4 System Configuration

dB Signal Results:
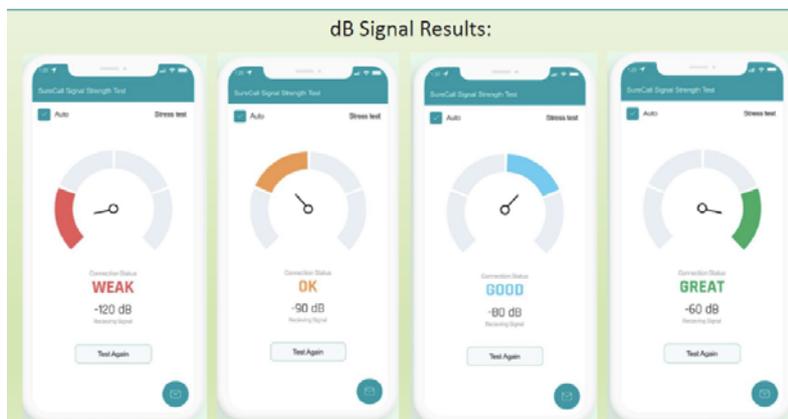
4.1   Recommendations for improving install

- Inside antenna should be 30' (line of sight) Window-Mount / outside unit
- Confirm the inside antenna is pointing away from the Window-Mount / outside unit.
- If the Window-Mount / outside unit is installed inside, the inside antenna should be mounted in another room to allow for wall attenuation.

Chapter 5 Troubleshooting

If the booster isn't receiving enough power or isn't working properly, the LED light on the power supply will be red instead of green

Chapter 6 Product specifications

Name   EZ Connect

Model: SC-EZ-Connect

Certifications: FCC (North America)

Parameter

Type	Single band
Bands Supported	13
Uplink(776-787MHz)	
System Gain（dB）	64
Max Output Power（dBm）	25
Outdoor Antenna Gain（dBi）	5
EIRP（dBm）	30
Noise Figure（dB）	5
Downlink(746-757MHz)	
System Gain	71
Active Gain（dB）	71
10ft Cable Signal Loss（dB）	2.5
30ft Cable Signal Loss（dB）	7
Max Output Power（dBm）	16
Outdoor Antenna Gain（dBi）	5
EIRP（dBm）	11.5
Noise Figure（dB）	6
General	
Monitoring function	BLE and IoT
Power Supply	Input:120VAC;Output:DC12V/1.2A
Power Supply Cable Length	6ft
Power Consumption	<9W

Operating Temperature	-10~55℃
Host size (H x W x L, in)	8 ¼ x W x 2 ¼
Host installation	Pole, Wall
Coax Cable (connected to booster)	30 ft RG-174, SMA Connector
Waterproof level of host	IP66 or higher
Host LED	TBD
Power box	
RF Connector	SMA
Coax Cable (power injector to inside antenna)	10' RG174 White With SMA Connector
Power port	DC 2.1
Indoor antenna	
Indoor antenna size	Not more than 210*180*80mm
Indoor antenna installation	Desktop, Wall
Connector	SMA;Back port
Antenna Gain（dBi）	5

2.3   Regulatory Information

THIS IS A CONSUMER DEVICE

BEFORE USE, you MUST REGISTER THIS DEVICE with your wireless provider and have your provider's consent.

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.

You MUST operate this device with approved antennas and cables as specified by the manufacturer. Antennas MUST be installed at least 20 cm (8 Inches) from any person. You MUST cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

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

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

CLASS B EQUIPMENT: This equipment has been tested to, and found to be within the acceptable limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment.

This equipment generates radio frequency energy and is designed for use in accordance with the manufacturer's user manual. However, there is no guarantee that interference will not occur in any particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF Exposure: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 32 cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Warning：Unauthorized antennas，，cables and/or coupling devices are prohibited by FCC rules. Please contact FCC for details ：1-888-CALL-FCC

Antenna kitting:

Component	Prod No. Description	Gain/Loss	Notes
		LTE-V	
Outdoor Antenna*	SC548-1W	5dBi	**Default Matching Antenna**
Indoor Cable*	Power box10Feet	4dB	
Indoor Antenna*	SC548-2W	5dBi	
* All equivalent antennas and cables are suitable for use with the EZ Connect booster.			