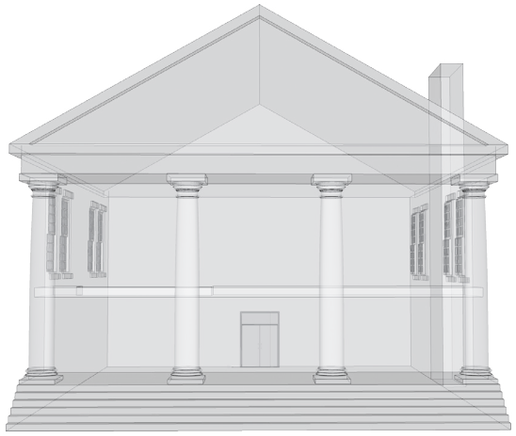


Basic Functionality

The **Cel-Fi GO X** connects to an external Donor Antenna to draw in a cellular signal from the macro network. The **Cel-Fi GO X** Smart Signal Booster finds the appropriate cellular signal, per the product's configuration, improves the signal, and amplifies it. Improved service is provided to the user via the Server Antenna.

Note: A Mobile version ("GO M") of the product is available. Go to cel-fi.com for details.

Cel-Fi WAVE Mobile App

The **Cel-Fi WAVE** app provides a User Interface to Cel-Fi systems. The app's dashboard shows the system "Boost" value. A numeric representation mapped to the amount of Signal Gain the system is providing. Higher is better, with nine (9) being the highest value.

Cel-Fi WAVE and Cel-Fi GO X

Your **Cel-Fi GO X** will automatically select the strongest cellular signal to boost. However, you may manually configure the system preferences using **Cel-Fi WAVE**. Connect to **Cel-Fi GO X** with a bluetooth enabled mobile device, and manage the boost settings.

NEMA 4 Rating

The **Cel-Fi GO X** is NEMA 4 rated, and can be used both indoors and outdoors.

The NEMA 4 rating provides the following advantages:

- A degree of protection against ingress of solid foreign objects (falling dirt and windblown dust)
- A degree of protection from the ingress of water (rain, sleet, snow, splashing water, and hose directed water)
- Equipment will be undamaged by the external formation of ice on the enclosure

User Interface

Cel-Fi GO X features an LED on the top face to indicate the unit's state:

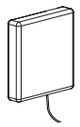
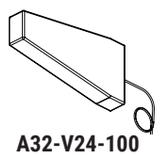
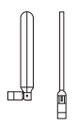
LED	MEANING
Solid GREEN	The unit is working properly and boosting properly.
Blinking GREEN	Unit is scanning for networks to boost.
Blinking RED	The unit is in an error condition. Use the **Cel-Fi WAVE** app to check the error code meaning and remedy.
Solid RED	The unit has a hardware error and is not booting up normally.

Troubleshooting

ISSUE	MEANING	ACTION
Continual Blinking GREEN	Unit is operational, but not attaching to a network to boost.	• Make sure both antennas are connected properly and are appropriate for the desired frequencies to boost. • Make sure the selected operator to relay is available at your location. This can be checked with the **Cel-Fi WAVE** application. If the service is not available, it cannot be boosted.
Solid RED LED	Unit is not operational.	• Unplug and reinsert power. • If restart has no effect, contact vendor for remedy.

Antenna Kitting

The following antennas are authorized to be used with **Cel-Fi GO X** Smart Signal Booster:

MODEL	DESCRIPTION	FREQUENCY
 **A32-V32-100**	Wideband Panel Antenna	698-960 // 1710-2700 MHz
	CERTIFICATION	**BAND SUPPORT**
	FCC, CE	1/3/5/7/8/20/2/4/5/12/13/28
	DONOR	**SERVER**
	✓	✓
MODEL	**DESCRIPTION**	**FREQUENCY**
 **A32-V24-100**	Wideband Directional Antenna	698-960 // 1710-2700 MHz
	CERTIFICATION	**BAND SUPPORT**
	FCC, CE	1/3/5/7/8/20/2/4/5/12/13/28
	DONOR	**SERVER**
	✓	✓
MODEL	**DESCRIPTION**	**FREQUENCY**
 **A21-V33-100**	Whip Antenna	698-960 // 1710-2700 MHz
	CERTIFICATION	**BAND SUPPORT**
	FCC, CE	1/3/5/7/8/20/2/4/5/12/13/28
	DONOR	**SERVER**
	✓	✓
MODEL	**DESCRIPTION**	**FREQUENCY**
 **A11-V43-100**	Indoor Omni Antenna	698-960 // 1710-2700 MHz
	CERTIFICATION	**BAND SUPPORT**
	FCC, CE	1/3/5/7/8/20/2/4/5/12/13/28
	DONOR	**SERVER**
		✓

Additional Cel-Fi Antenna options are available at **www.cel-fi.com/antennas**

420N007-G32-111-10RA

Cel-Fi GO X
Quick Start Guide

Smart Signal Booster™

Cel-Fi GO X is optimized for stationary applications such as buildings, factories, warehouses, and similar. It features 100dB of system gain and provides the largest cellular coverage footprint in its category.

IN THE BOX

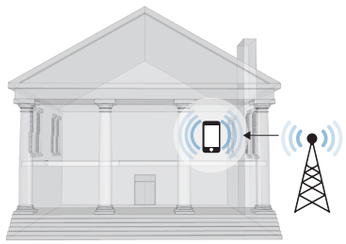
Main Unit

Power Supply

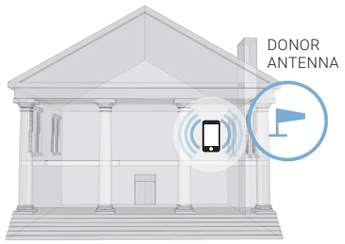
**Other variations of the product package may include additional internal and external antennas or components.*

Cel-Fi GO X **Installation**

1 Install Donor Antenna



Find the location with the best signal.



Install **Donor Antenna** where the mobile device receives this signal.

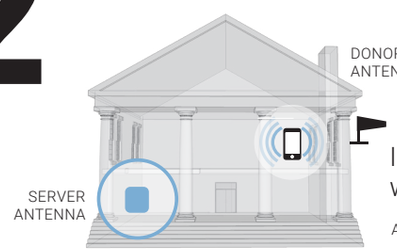
DONOR ANTENNA NOT INCLUDED

SAFETY: **DO NOT INSTALL** any equipment close to power lines or drill into walls or other structural elements without first ensuring the location is safe and that there are no hidden items that could cause injury.

TIPS AND TECHNIQUES

- Install antenna at least 12 inches from any other antennas for best performance
- Antenna should be free of obstructions
- Antenna should be away from windows (including sunroof or other openings)
- Install 8 inches away from any people

2 Install Server Antenna



Install **Server Antenna** where coverage is needed.

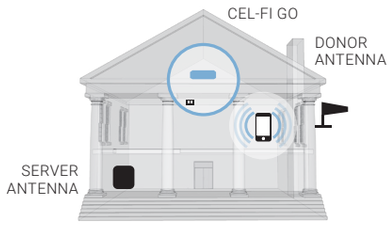
ANTENNA NOT INCLUDED

TIPS AND TECHNIQUES

- For best results, install Donor and Server Antennas such that there is substantial material between the antennas. This will create isolation and allow the system to perform at higher gain without oscillation or feedback.
- Keep **Donor** and **Service Antennas** separated/isolated from each other for best performance
- Do not use cable splitters for **Donor Antennas**.
- Follow the installation instructions for your chosen antennas.

3 Mount Cel-Fi GO X Near Power Outlet

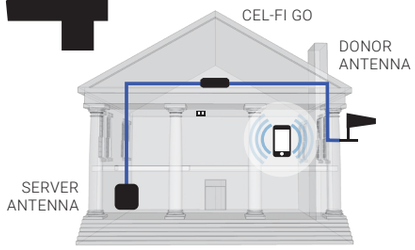
Find a power outlet.

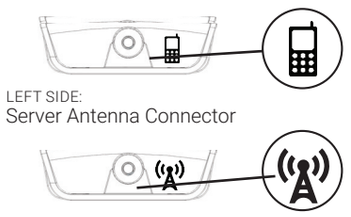


Mount **Cel-Fi GO X** near the power outlet.

DO NOT plug in at this time.

4 Connect Donor & Server Antennas to the Cel-Fi GO X Unit



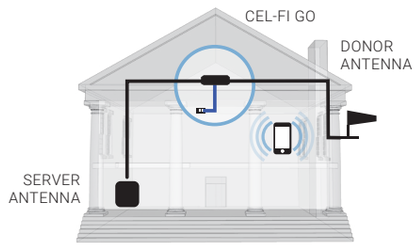


LEFT SIDE:
Server Antenna Connector

RIGHT SIDE:
Donor Antenna Connector

5 Plug in Cel-Fi GO X

Your **Cel-Fi GO X** will automatically select the strongest cellular signal to boost.



6 Setup System with Cel-Fi WAVE

The system is configured to automatically select the best cellular service to boost. This step can be skipped for any user that wants to keep the automatic settings. However, a user may manually configure the system's boost preferences using the **Cel-Fi WAVE** app. To do this, use the **Cel-Fi WAVE** app on a smartphone with Bluetooth enabled to connect to the **Cel-Fi GO X** system, and manage the boost settings.

Download on the App Store

GET IT ON Google play

Specifications:

Frequency Support Multiple variations of the product are available with different frequency support.

Model: G32-2/4/5/12/13X

Band	Name	Downlink		Uplink	
2	1900 PCS	1930	1990	1850	1910
4	AWS-1	2110	2155	1710	1755
5	850	869	894	824	849
12	700 a	729	746	699	716
13	700 c	746	756	777	787

Model: G32-1/3/5/7/8/20X

Band	Name	Downlink		Uplink	
1	2100	2110	2170	1920	1980
3	1800+	1805	1880	1710	1785
5	850	869	894	824	849
7	2600	2620	2690	2500	2570
8	900	925	960	880	915
20	800 DD	791	821	832	862

Dimensions

Length	Width	Height	Weight
272.5 mm	96.5 mm	43.5 mm	850 g

Gain Up to 100dB system gain

Environmental Operating Temp: 0 - 65C

Relative Humidity: 95%

Power 10dBm/5MHz (16dBm per band)

Antenna Connectors SMA-Female

Certifications

(All variants)
- 3GPP TS 25.143 Rel.10
- 3GPP TS 36.143 Rel.10
- RoHS 2
- BQB (Bluetooth)

(G32-2/4/5/12/13 variants only)
- FCC
- ISED

(G32-1/3/5/7/8/20 variants only)
- IEC 62368-1:2004
- EN 301 489-1 v2.1.1
- EN 301 489-17 v3.1.1
- EN 301 489-23 v1.5.1
- EN 301 908-1 v11.1.1
- EN 301 908-11 v11.1.1
- EN 301 908-15 v11.1.1
- EN 300 328 v2.1.1
- EN 62311 (2008)
- Regulation (EC) 1275/2008 (Standby and Off mode)
- Regulation (EC) 278/2009 (External Power Supply)