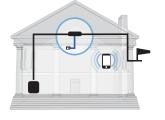
#### **Basic Functionality**

The **Cel-Fi GO X** connects to an external Donor Antenna to draw in a mobile signal from the macro network. The **Cel-Fi GO X** Smart Signal Booster finds the appropriate mobile 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 mobile 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.

#### **IP65** Rated

The Cel-Fi GO  $\rm X$  is IP65 rated, and can be used both indoors and outdoors.

The IP65 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 <b>Cel-Fi WAVE</b> 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.	<ul> <li>Make sure both antennas are connected properly and are appropriate for the desired frequencies to boost.</li> <li>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.</li> </ul>
Solid RED LED	Unit is not operational.	<ul><li>Unplug and reinsert power.</li><li>If restart has no effect, contact vendor for remedy.</li></ul>

## Antenna Kitting

The following antennas are authorised to be used with  $\mbox{Cel-Fi}\,\mbox{GO}\,\mbox{X}$  Smart Signal Booster:

MODEL	DESCRIPTION	FREQUENCY			
	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			
T	DONOR	SERVER			
A32-V32-100	<i>✓</i>	✓			
MODEL	DESCRIPTION	FREQUENCY			
	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			
D ~	DONOR	SERVER			
A32-V24-100	1	$\checkmark$			
MODEL	DESCRIPTION	FREQUENCY			
	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			
A21-V33-100		$\checkmark$			
MODEL	DESCRIPTION	FREQUENCY			
$\bigcirc$	Indoor Omni Antenna	698-960 // 1710-2700 MHz			
\	CERTIFICATION	BAND SUPPORT 1/3/5/7/8/20/2/4/5/12/13/28 SERVER			
	FCC, CE	1/3/5/7/8/20/2/4/5/12/13/28			
	DONOR	SERVER			
A11-V43-100		1			

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





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



## Specifications:

Frequency Support	Multiple variations of the product are available with different frequency support.							
	BAND	NAME	DOW	NLINK		lipi i	NK	
Model:	2	1900 PCS	1930	1990	1	850	1910	
G32-2/4/5/12/13X	4	AWS-1	2110	2155		710	1755	
052-2/4/5/12/158	5	850	869	894		824	849	
	12	700 a	729	746		699	716	
	13	700 c	746	756		777	787	
			2.01					
Model:	BAND 1	2100	2110	2170	) 1	920	<u>1980</u>	
G32-1/3/5/7/8/20X	3	1800+	1805	1880		710	1785	
002 1/0/0///0/20X	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	
	LENGT	H W	птн	HEIG	нт	w	ІСНТ	
Dimensions	272.5 n	nm 96.5	5 mm	43.51		8	50 g	
Gain	Up to 10	0dB syste	em gain					
Power (max)		DOWNLINK	(TX			PLINK	ГΧ	
	10dBm/5	5 MHz (16d		pand)	24dE	3m per		
<b>Bluetooth (LE Ver 4.2)</b>	2	<u>FREQUEN</u> 042 - 2480				OdBm	-	
						oubn		
	Bluetooth: LE Ver 4.2 Bluetooth frequency: 2042 - 2480 Mhz							
Environmental	Operating Temp: 0 - 65C							
	Relative Humidity: 95%							
Antenna Connectors	SMA-Fei							
Certifications								
(All variants)	3GPP TS 36.143 Rel.10							
	RoHS 2							
	BQB (Bluetooth)							
	IP65 rated							
(G32-2/4/5/12/13	FCC							
variants only)	ISED							
	UL 62368-1:2014							
	CSA C22.2#62368-1							
	UL 50E, UL 60950-22							
	CSA C22.2#60950-22							
(G32-1/3/5/7/8/20	IEC 6236	58-1:2014						
variants only)	EN 301 489-1 v2.1.1							
	EN 301 489-17 v3.1.1							
	EN 301 489-50 v2.2.0							
	EN 301 908-1 v11.1.1							
	EN 301 908 v11.1.2							
	EN 301 908 v11.1.2							
	EN 300 328 v2.1.1							
	EN 62311 (2008)							
	Regulati	on (EC) 12	275/200	)8 (Stai	ndby	and C	off mod	
		on (EC) 27						

# Cel-Fi GO X Installation

