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.

User Interface

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

<table>
<thead>
<tr>
<th>LED</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid GREEN</td>
<td>The unit is working properly and boosting properly.</td>
</tr>
<tr>
<td>Blinking GREEN</td>
<td>The unit is scanning for networks to boost.</td>
</tr>
<tr>
<td>Blinking RED</td>
<td>The unit is in an error condition. Use the Cel-Fi WAVE app to check the error code meaning and remedy.</td>
</tr>
<tr>
<td>Solid RED</td>
<td>The unit has a hardware error and is not booting up normally.</td>
</tr>
</tbody>
</table>

Troubleshooting

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>MEANING</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continual Blinking GREEN</td>
<td>Unit is operational, but not attaching to a network to boost.</td>
<td>• Make sure both antennas are connected properly and are appropriate for the desired frequencies to boost.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 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.</td>
</tr>
<tr>
<td>Solid RED LED</td>
<td>Unit is not operational.</td>
<td>• Unplug and reinsert power.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• If restart has no effect, contact vendor for remedy.</td>
</tr>
</tbody>
</table>

Antenna Kitting

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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A32-V32-100</td>
<td>Wideband Panel Antenna</td>
<td>698-960 // 1710-2700 MHz</td>
</tr>
<tr>
<td>CERTIFICATION</td>
<td>BAND SUPPORT</td>
<td>FCC, CE</td>
</tr>
<tr>
<td>DONOR</td>
<td>SERVER</td>
<td></td>
</tr>
<tr>
<td>A32-V24-100</td>
<td>Wideband Directional Antenna</td>
<td>698-960 // 1710-2700 MHz</td>
</tr>
<tr>
<td>CERTIFICATION</td>
<td>BAND SUPPORT</td>
<td>FCC, CE</td>
</tr>
<tr>
<td>DONOR</td>
<td>SERVER</td>
<td></td>
</tr>
<tr>
<td>A21-V33-100</td>
<td>Whip Antenna</td>
<td>698-960 // 1710-2700 MHz</td>
</tr>
<tr>
<td>CERTIFICATION</td>
<td>BAND SUPPORT</td>
<td>FCC, CE</td>
</tr>
<tr>
<td>DONOR</td>
<td>SERVER</td>
<td></td>
</tr>
<tr>
<td>A11-V43-100</td>
<td>Indoor Omni Antenna</td>
<td>698-960 // 1710-2700 MHz</td>
</tr>
<tr>
<td>CERTIFICATION</td>
<td>BAND SUPPORT</td>
<td>FCC, CE</td>
</tr>
<tr>
<td>DONOR</td>
<td>SERVER</td>
<td></td>
</tr>
</tbody>
</table>

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

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
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.

TIPS AND TECHNIQUES

• Install Donor Antenna where the mobile device receives this signal.
• Keep Donor and Service Antennas separated/isolated from each other for best performance.
• Do not use cable splitters for Donor Antennas.

Dimensions

<table>
<thead>
<tr>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>272.5 mm</td>
<td>96.5 mm</td>
<td>43.5 mm</td>
<td>850 g</td>
</tr>
</tbody>
</table>

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 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: 272.5 mm
  - Width: 96.5 mm
  - Height: 43.5 mm
  - Weight: 850 g

- Gain:
  - Up to 100dB system gain

- Environmental:
  - Operating Temp: 0 - 65°C
  - Relative Humidity: 95%

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

- Antenna Connectors:
  - SMA-Female

- Certifications:
  - 3GPP TS 25.143 Rel.10 (All variants)
  - 3GPP TS 36.143 Rel.10
  - RoHS 2
  - BQB (Bluetooth) (G32-2/4/5/12/13X FCC variants only)
  - ISED (G32-1/3/5/7/8/20X IEC 62368-1:2004 variants only)
  - EN 301 489-1 v2.1.1
  - EN 301 489-17 v3.1.1
  - 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)

- www.cel-fi.com