Power/Status ⏻ **LED** and **LAN** 🌐 **LED** to indicate status.

⏻ LED	MEANING
Solid GREEN	The unit is working and boosting properly.
Blinking GREEN	Unit is scanning for networks to boost.
Blinking RED-ORANGE	Start-up sequence.
Blinking or Solid RED	The unit is in an error condition. Use the **WAVE App** to check the error meaning and remedy.
LED OFF	No power.

🌐 LED	MEANING
Solid GREEN	Connected with IP address.
Blinking GREEN	Physical link up, no IP address.
Blinking RED	Physical connection, error condition.
LED OFF	No connection.

Troubleshooting

ISSUE	ACTION
Unit cannot find a signal to boost (PWR LED blinks GREEN for over 10 minutes).	• Check the **WAVE App** for error messages, and check that an operator has been selected in Settings. Check donor antenna, cable, connections, and aim antenna. You may have to wait up to one hour if the unit is powering up for the first time.
WAVE App will not connect to the GO G51.	• Make sure Bluetooth is enabled on your phone. Restart Bluetooth. Reinstall/retry **WAVE App.**
No LAN activity	• The LAN port is only available to certified installers with WAVE Portal access.
All other issues	• Unplug and reinsert power. • Connect **WAVE App** for troubleshooting guidance.

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qsg-go-g51_amer_26-0601

420N007-G51-001-20-RA

Additional Information

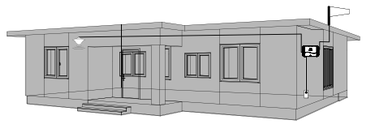
SAFETY: Please use proper safety measures when working on a ladder, lift, or roof



MOUNTING HARDWARE

NOTE: the **GO G51** may be mounted with the supplied **Mounting Screws** and **Drywall Anchors**. Before installing, ensure there are no wires, other objects, or metal plates under the mounting surface that may interfere with the inserts, screws, or mounted units.

Soft-Install Option: Before permanently mounting system components, temporarily place the antennas, **GO G51**, and cables, allowing for changes while optimizing the set up using **WAVE App** guidance. Longer cables or different antennas may be available from your supplier, if needed.



Antenna Kitting: The following antennas are authorized to be used with **GO G51:**

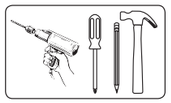
LPDA-R Antenna	Self-Install Directional Antenna	Patch Antenna	Whip Antenna	Indoor Omni Antenna	LP SISO Indoor Omni Antenna
					
A62-V44-201	**A52-FV3-300**	**A41-NL3-100**	**A21-ML3-601**	**A11-V43-121**	**A11-H43-201**
Donor Antenna					
✓	✓				
Server Antenna					
	✓	✓	✓	✓	✓

Additional Nextivity authorized antennas are available at:
https://nextivityinc.com/antennas/

Scan to access the latest web version of this document at:
https://partners.nextivityinc.com/

Additional Information

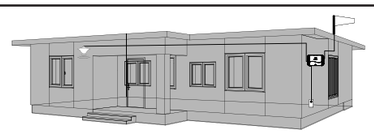
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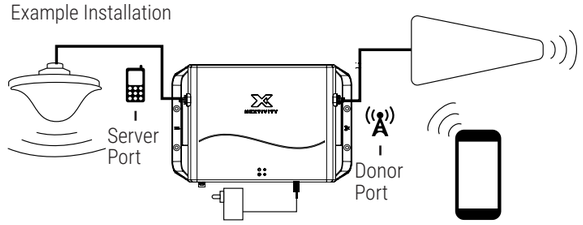
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NEXTIVITY

CEL-FI® GO G51
QUICK START GUIDE

KIT#: G51-CE-003

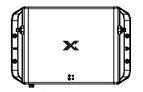
Example Installation



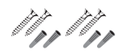
How it Works: Enhances in-building cellular coverage. For kit options, antennas, or cables, contact distributor or visit www.nextivityinc.com.

Basic Functionality: The **CEL-FI GO G51** connects to a donor antenna to receive signals from a selected operator's cellular network. It amplifies these signals and redistributes them through one or more server antennas to provide coverage where needed. The donor antenna should be installed in a location with strong signal strength—preferably outdoors and mounted at an elevated position. A splitter can be used to connect additional server antennas for expanded coverage. The **WAVE App** for smartphones and tablets enables operator selection, assists with donor antenna alignment, and provides system monitoring and performance visibility.

Included in the Box (Antennas & Cabling Sold Separately)


GO G51


AC Adapter

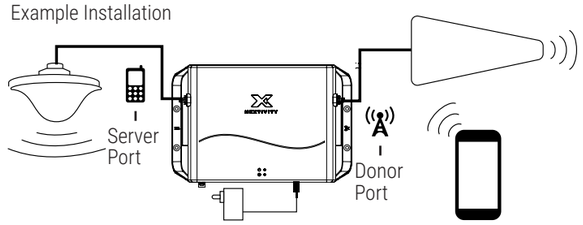

Mounting Screws (4)
Drywall Anchors (4)

NEXTIVITY

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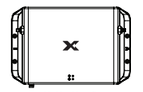
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GO G51

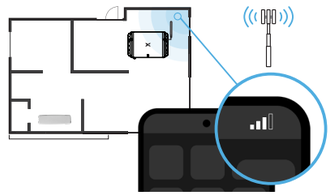

AC Adapter


Mounting Screws (4)
Drywall Anchors (4)

Quick Installation

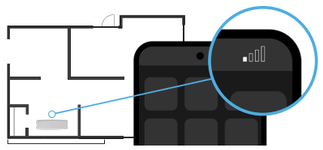
IMPORTANT: Your CEL-FI GO G51 is electronic equipment. The CEL-FI GO G51 must be kept indoors and in a dry, cool, well ventilated area.

1 Select GO G51 Location



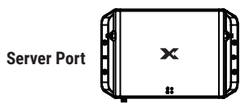
Place the **GO G51** where there is a strong cellular signal (usually near a window), and within reach of the AC Adapter power cable and power outlet.

2 Select Server Antenna Location



Ideally, the **Server Antenna** should be as far away from the Donor Antenna as possible (as far as the antenna cable will allow), with at least one wall separating them. If the **Server Antenna** cable is too short, it can be extended with a separate coaxial extension cable having SMA(m) & SMA(f) connectors (C200 series cables sold separately).

3 Attach Server and Donor Antennas

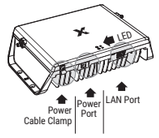


Connect the **Donor Antenna** and **Server Antenna** to the **GO G51**. Make sure to mount the **Server Antenna** horizontally.



The **Donor Antenna** should be separated/isolated as far away as possible from the **Server Antenna**, with greater separation providing best performance.

4 Plug In the GO G51



Plug the **AC cable** into the **adapter** included and then plug the DC cable from the **adapter** into the **GO G51** and secure it with the Power Cable Clamp next to the DC IN port. The **GO G51** status LED should begin to blink.

5 Nextivity WAVE

Download the Nextivity **WAVE App** to monitor system status or apply settings. If the **GO G51** is not pre-configured for your carrier, then use App Settings to select the carrier you wish to boost.



Bluetooth

Scan to Download: The **WAVE App** is available for smartphones and tablets.

Download on the App Store

Google play

Advanced Installation

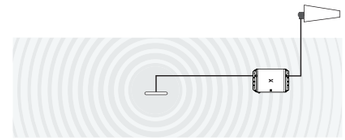
Coverage may be extended into other areas using additional low-loss cable, splitters and server antennas (rated for 50 Ω).

Recommended:

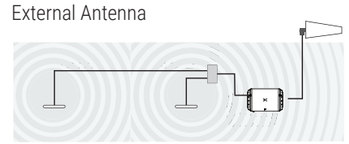
- > 20 dB port-to-port isolation for any splitter

Downlink power should be:

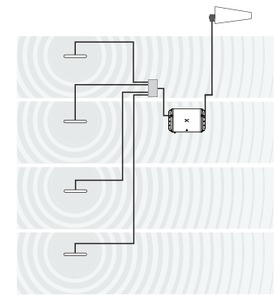
- > 0 dBm to use a two-way splitter
- > 3 dBm to use a four-way splitter



External Antenna



Splitting Server Antenna

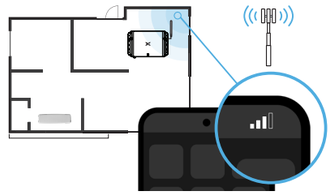


Multi-Story

Quick Installation

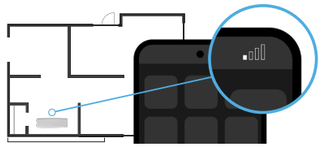
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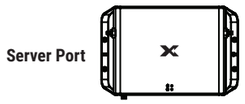
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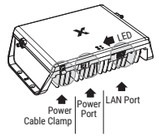


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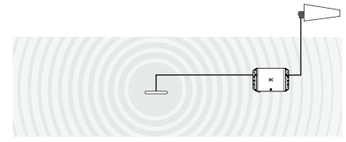
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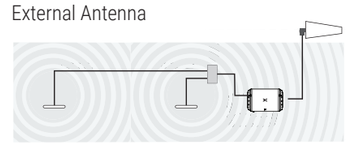
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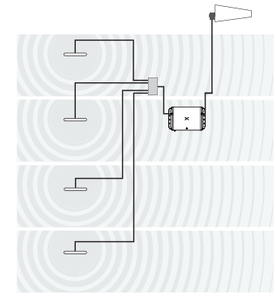
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Multi-Story