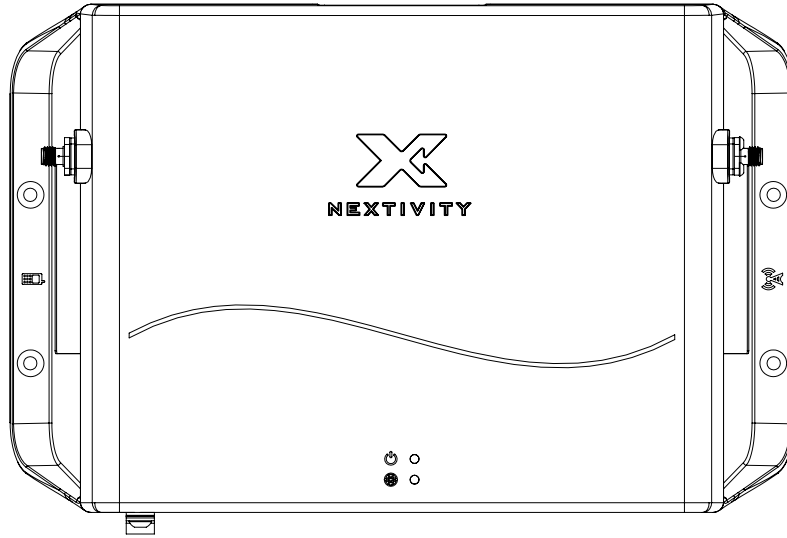




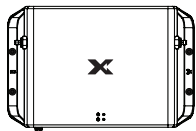
# CEL-FI GO G51 Quick Start Guide



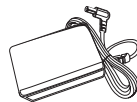
**KIT#:**

G51-LE-001	G51-ME-001
G51-LE-002	G51-ME-002
G51-LE-003	G51-ME-003

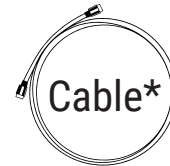
## Included In the Box



Main Unit



AC Adapter



Cable\*



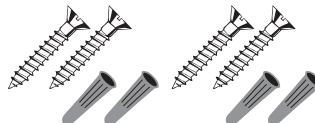
Donor Antenna\*



Server Antenna\*

Screws (4)

Drywall Anchors (4)



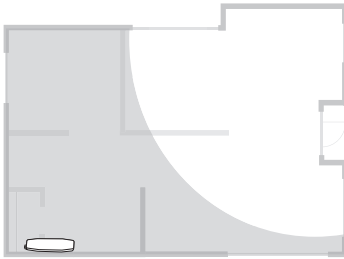
*\*Included with certain kits only.*

# Quick Installation

**IMPORTANT:** Your External Modem is an electronic device. It must be kept indoors and in a dry, cool, well-ventilated area.

# 1

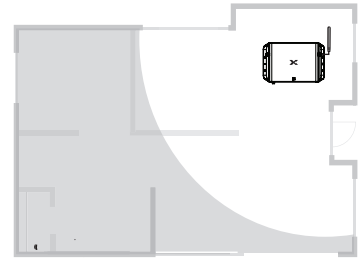
## Select Server Antenna Location



Use your phone to find where coverage is needed. This is where the **Server Antenna** should be installed on a wall.

# 2

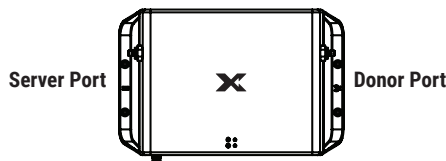
## Select Main Unit Location



Place the **Main Unit** near a window where there is a strong signal. Ideally, the **Main Unit** should be placed with at least one wall from the **Server Antenna** and as far as the cable will allow. If the **Server Antenna** cable is too short, it can be extended with a separate coaxial cable having SMA(m) & SMA(f) connectors.

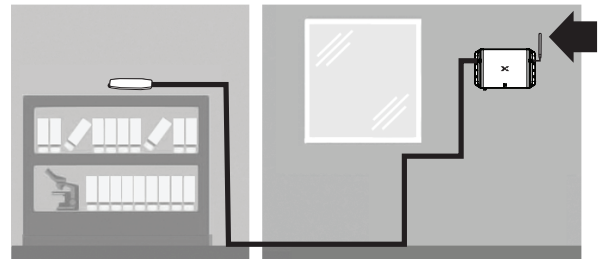
# 3

## Attach Server and Donor Antennas



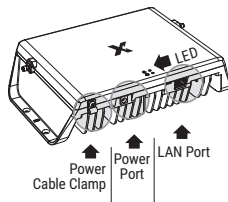
Attach the **Donor Antenna** and **Server Antenna** to the **Main Unit**. Make sure to mount the **Server Antenna** horizontally.

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 Main Unit



Plug in the **Main Unit** to power with the included **AC Adapter**. The LED on the front will blink during set up and turn green when the device is ready. After powering on the device, connect the Power **Cable Clamp**.

# 5

## Nextivity WAVE

Download the **WAVE App** to monitor your system status. Connect the **Main Unit** using category cable to your ISP modem LAN port or external LTE modem to manage via the web interface **WAVE Portal**.



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



# Advanced Installation

For best results, separate the **Donor and Server Antenna(s)** as much as possible. Antenna separation (isolation) can be achieved with either physical distance or walls between the antennas.

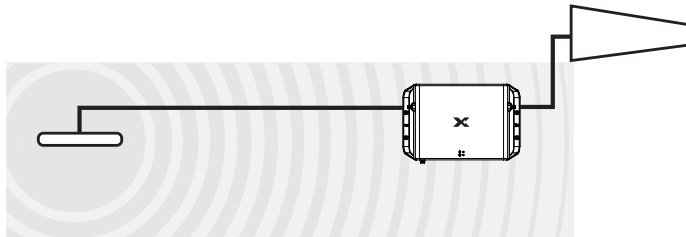
Make sure any cables, splitters, and antennas used in the system are properly matched. (CEL-FI GO G51 is rated for 50  $\Omega$ )

## Recommended:

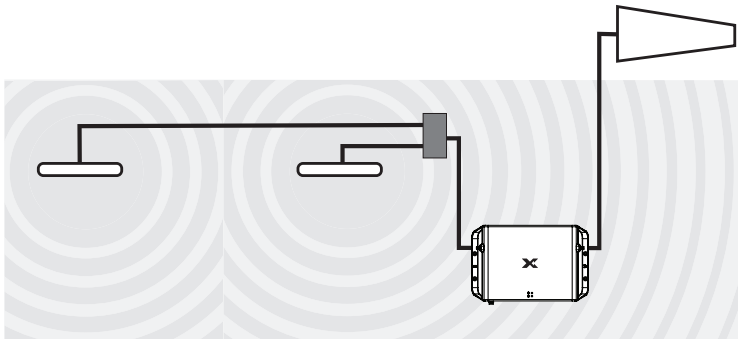
- > 20 dB port-to-port isolation for any splitter

## Downlink power should be:

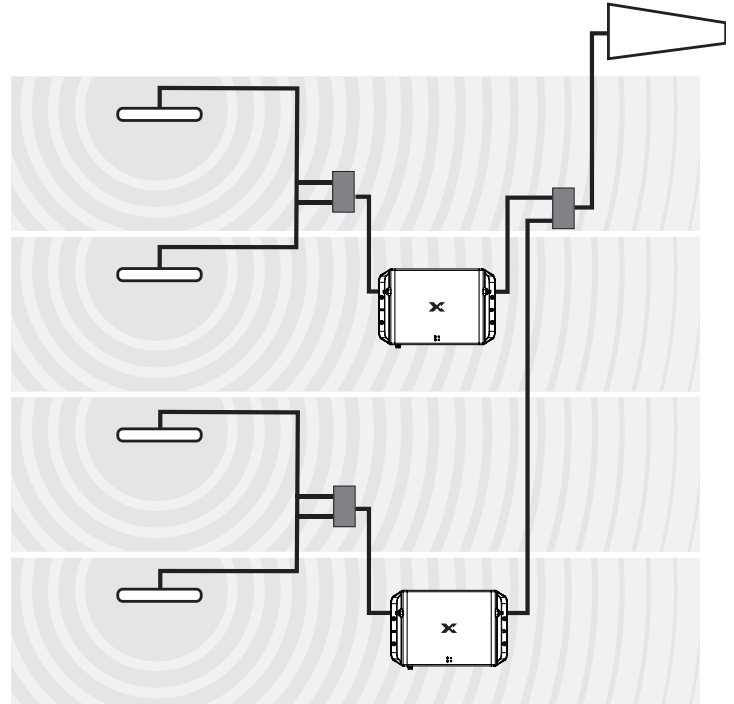
- > 0 dBm to use a two-way splitter
- > 3 dBm to use a four-way splitter



External Antenna

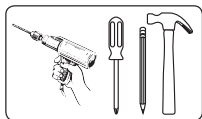


Splitting Server Antenna



Multi-Story

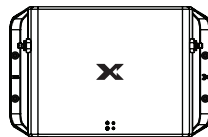
# Mounting Instructions



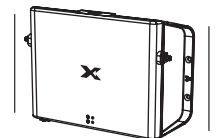
## REQUIRED HARDWARE

NOTE: This package comes equipped with **Mounting Screws** and **Drywall Anchors** for mounting to the ceiling. Before installing, ensure there are no wires, other objects, or metal plates above the drywall that may interfere with the inserts, screws, or mounted units.

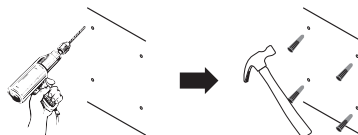
- 1** Determine where to install the **Main Unit** based on the recommendations in the Quick Installation section.



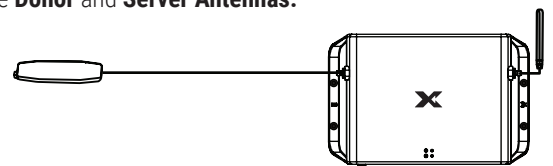
- 2** Mark the four mounting hole locations with a pencil based on where you'll position the **Main Unit**.



- 3** In each marked spot, use a 3/16" drill bit to drill guide holes for the **Drywall Anchors**, and then install the anchors.



- 4** Mount the **Main Unit** and then attach the **Donor and Server Antennas**.



band	link	Output Power	EIRP*
1	Downlink	20 (dbm)	14.8 (dbm)
	Uplink	22 (dbm)	24.1 (dbm)
3	Downlink	20 (dbm)	14.8 (dbm)
	Uplink	22 (dbm)	24.1 (dbm)
5	Downlink	20 (dbm)	14 (dbm)
	Uplink	20 (dbm)	22.5 (dbm)
7	Downlink	20 (dbm)	15 (dbm)
	Uplink	22 (dbm)	24.1 (dbm)
8	Downlink	20 (dbm)	22.5 (dbm)
	Uplink	20 (dbm)	22.5 (dbm)
20	Downlink	20 (dbm)	13.8 (dbm)
	Uplink	20 (dbm)	22.5 (dbm)
28L	Downlink	20 (dbm)	13.8 (dbm)
	Uplink	20 (dbm)	22.5 (dbm)
n78	Downlink	27 (dbm)	11.48 (dbm)
	Uplink	24 (dbm)	22.5 (dbm)

Model Number	Bands Supported
G51-LE	1, 3, 5, 7, 8, 28L, n78
G51-ME	1, 3, 5, 7, 8, 20, n78

*\*Tested with donor antenna (A21-ML3-601) & server antenna (A41-NL3-101)*