

Cel-Fi DUO+ Smart Signal Booster™

A true plug-and-play system that doesn't require the installation of antennas or cables.

To use this product you need:

- A 3G, 4G, LTE compatible mobile phone with qualifying service
- An area inside your home that receives at least one bar of 3G, 4G, LTE coverage
- Power Outlets

In this package you will find:

- Network Unit
- Coverage Unit
- Two Power Adapters
- Two Mounting Brackets with hardware

Get More from Cel-Fi WAVE

Cel-Fi WAVE is an application available on both smartphones and desktop computers that allows users to interact with Cel-Fi, to access advanced and supplementary features.

Bluetooth°



Dashboard:

Glance-able view to the state of your Cel-Fi environment.

Settings:

Change the default Operator, setup an external antenna, name your Smart Signal Booster, and more.

Advanced Mode:

Get a real-time technical overview of the installation of your Cel-Fi Smart Signal Booster.

Booster Updates:

Keep your Cel-Fi Smart Signal Booster up-to-date as new software versions become available.

For more information, and software, go to: www.cel-fi.com/wave







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BEFORE You Begin

If you can find a place in your home that gets at least one bar of 3G, 4G, LTE signal, the revolutionary **Cel-Fi DUO+** Smart Signal Booster system brings you smoother video and surfing, and improved coverage throughout your home. **Cel-Fi DUO+** Smart Signal Booster is a true plug-and-play system that doesn't require the complicated installation of antennas or cables.

Step 1

Find the location with the best coverage:

The first step in setting-up your **Cel-Fi DUO+** Smart Signal Booster is to find the location with the best mobile network signal. Use your phone to identify the area with the best signal. Typically, the best service will be near a window in the highest floor of your space.



Step 2

Plug-in the Network Unit:

Plug the **Network Unit** into an easily accessible outlet near the area with the strongest 3G, 4G, LTE signal. (Note: the power supplies in your kit are identical.) Make sure that at least one bar is displayed on the signal strength indicator on the front of the **Network Unit**. If you do not see at least one bar, try a different location.



Step 3

Optimize the Network Unit Placement:

The bars on the front of the device indicate the strength of the mobile network signal in the area. Moving the **Network Unit** to a different location may increase the signal, and can improve the quality of your service.



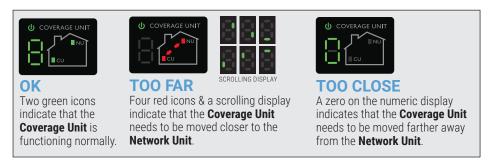
Step 4

Place the Coverage Unit:

Place the **Coverage Unit** as far away, inside the space, as possible from the **Network Unit** or where you need coverage the most, making sure that you have enough distance between the two units. After several minutes, the numeric display will stop cycling.



If your device is set-up properly, the green icons will appear on the display as seen above. It is possible to place the **Coverage Unit** too close or too far from the **Network Unit**. If this happens, a red icon will illuminate indicating that you need to move the **Coverage Unit** either closer to, or farther away from the **Network Unit** (see below).



Step 5

Optimize The Coverage Unit Placement:

The number on the front of the Coverage Unit display indicates the quality of the placement. For the best service experience, move the Coverage Unit around your home until an 8 or 9 displays. Based on the Coverage Unit number, you may need to move farther/closer to the Network Unit.



For the best service, move the Coverage Unit until an 8 or 9 displays.

Mounting Instructions

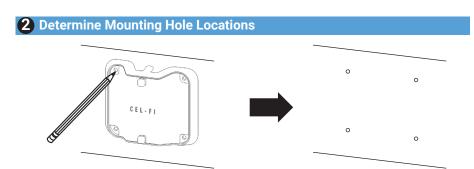


Each Cel-Fi device is supplied with mounting brackets and hardware to mount both (or either) the **Coverage Unit** and the **Network Unit**.

NOTE: The brackets come equipped with screws and inserts for mounting in standard drywall. Before you install the mounts, make sure there are no wires or other objects, or metal plates, behind the drywall layer that will interfere with the inserts, screws, mount, or mounted units.

1 Determine Cel-Fi Device Location (refer to other side)

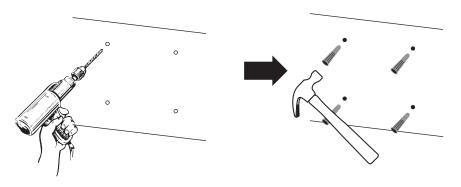




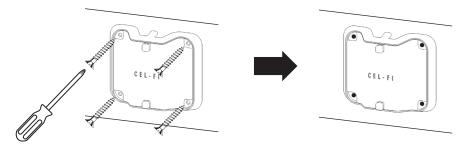
3 Drill Anchor Holes (Drywall)

4 Install Anchors (Drywall)

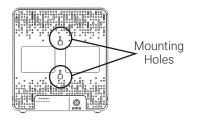
In each marked spot, use a 3/16" drill bit to drill guide holes for the anchors.



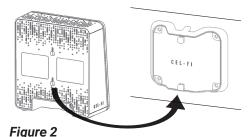
5 Install Mounting Bracket



6 Attach the Cel-Fi Unit to the wall mounted bracket







Backside of unit fits onto bracket hooks.

IMPORTANT: Your **Cel-Fi DUO+ Smart Signal Booster** is electronic equipment. Both units must be kept indoors and in a dry, cool, well-ventilated area.

Troubleshooting

NETWORK UNIT	Indicator		Issue		Try This
DISPLAY Power & Status Indicator U NETWORK UNIT	No lights on the Network Unit display.		The device is not receiving power.		Is the unit plugged in? Is there power at the outlet? Try exchanging the power supplies with the Coverage Unit to determine if the power supply is defective.
LTE Signal Indicator	Power indicator is red.		Network Unit hardware issue.		Please check the Coverage Unit for an alternating error number to determine the proper solution from the list of Error Messages below.
	on the Network Unit display.		Network Unit does not have a 3G, 4G, LTE signal.		Try moving the Network Unit to another room or area where you have more coverage. (Use your mobile phone to find the best 3G, 4G, LTE coverage).
	Power indicator is Flashing Green.		Network Unit Is setting up communications with Coverage Unit.		Wait a few moments, once a path has been set up, the light will stop flashing.
	LTE indicator is lit or not lit (what does this mean?)		The LTE indicator means that LTE is available and is also being boosted.		If you have bars of signal on your Network Unit but the LTE indicator is not lit, you still have boosted high speed 3G/4G service.
COVERAGE UNIT	Indicator		Issue		Try This
DISPLAY Power & Status Indicator Network Unit Indicator	No lights on the Coverage Unit display.		The device is not powered.		Is the unit plugged in? Is there power at the outlet? Try exchanging the power supplies with the Network Unit to determine if the power supply is defective.
O COVERAGE UNIT	Coverage Unit Power Indicator is red		System Error.		Please check the seven segment display for an alternating Error Messages to determine the proper solution from the list of Error Messages below.
	Seven segment display cycling for more than a minute.		The Coverage Unit still trying to wirelessly connect to the Network Unit .		Wait for the display to stop cycling. This could take several minutes. Make sure that all other electronic devices (Wi-Fi routers, home phones, computers, etc.) are at least 1 meter from the Coverage & Network Units .
Coverage Unit Indicator	© COVERAGE UNIT		The Coverage Unit is "Too Close" to the Network Unit .		Move the Coverage Unit farther away from the Network Unit . The separation distance may be over 20 meter for a residence, and much farther for open commercial spaces. Try and get an 8 or 9 on the display.
Seven Segment Display	The Coverage Unit and Network Unit icons are red with two arrows.		The Coverage Unit is "Too Far Away" from the Network Unit .		Move the Coverage Unit closer to the Network Unit.
PERFORMANCE	Indicator		Issue		Try This
The Coverage Unit has a boosted signal but only in a small area.	Low Coverage Unit number or Network Unit input signal.		Network Unit and Coverage Unit are too close together or Network Unit signal level is low.		Move the Coverage Unit away from the Network Unit to get a higher coverage number. This can mean putting the Coverage Unit on the opposite end of your home. Higher numbers indicate better coverage. You can also move the Network Unit to an area with a stronger signal. More bars is always better.
ERROR	Indicator Issue			Try This	
(b) COVERAGE UNIT	E1 No 3G, 4G, LTE signal at the				Network Unit to another room or area where you have coverage. (Use your cell phone to 5, 4G, LTE coverage).
O COVERAGE UNIT	E3 Coverage Unit is overheating E4 Network Unit is overheating		g. working norma		the vents on the unit are not blocked. Move the unit to a cooler area. The system will start ly when it cools down.
I □CU	E5 Registration Required. E7 Unit disabled by network.				ddress with your mobile network provider, using the Cel-Fi WAVE app .
Alternating E and Numeric Error Code	E8 Input signal at Network Unit too strong.		Your Network L coverage bubbl can ignore this	Init is too close to a cellular tower. This may result in a reduced output power (smaller e) to limit network interference. Note: If you have satisfactory boost in cellular service you message. Otherwise move your Network Unit to another location. You might need to move init to the other side of your home/office.	
	E9 Your system was moved from it Registration required due to loc		n its original address. Either move the system back to its original location or register your new address with your mobile		