

Optimization Features

SIGNAL REPORT

Press the "Start Test" button. The unit will gather data and present the results after a few minutes. The scanning process will be quicker and more accurate when a SIM card is installed.

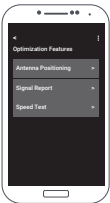
SPEED TEST

Press the "Start Test" button. The Cel-Fi COMPASS will gather data for several minutes and display the results in a report format.*

SERVING CELL REPORT

The Serving Cell Report is a live reading of the current Network Carrier of the SIM card inserted into the Cel-Fi COMPASS. The data will constantly refresh while on the page.*

*These features requires a SIM card to operate.



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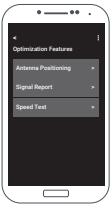
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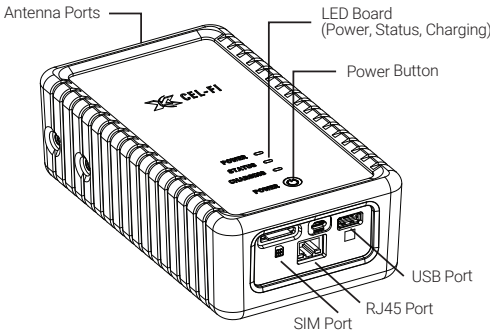
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LEDs

There are three LEDs on Cel-Fi COMPASS. These lights indicate if the device is:

- **Solid green:** device has power, is charged and the power adaptor is connected
- **Blinking green:** device is busy processing and is currently charging
- **Solid red:** there is a problem with the device
- **Blinking red:** the battery is low

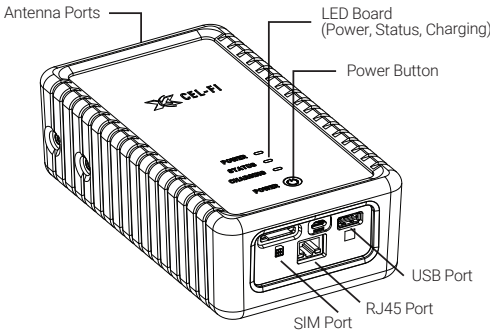


Specifications	Specifications continued
• Band Support: - LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 - LTE TDD: B38/B39/B40/B41 - UMTS: B1/B2/B4/B5/B6/B8/B19 • Rugged rubberized exo-skeleton • SMA connectors • Internal rechargeable battery (<i>all day use</i>)	• Micro USB charger • Internal global LTE modem • SIM slot (<i>user accessible</i>) • FCC certified • CE certified • Connects to smartphone via Bluetooth

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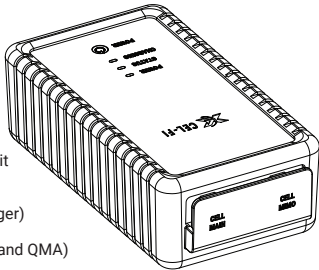
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Cel-Fi™ COMPASS Quick Start Guide



Box Contents:

- Cel-Fi COMPASS unit
- Quick Start Guide
- WHIP antenna
- Power supply (charger)
- Soft Case
- Adapter pigtails (N and QMA)

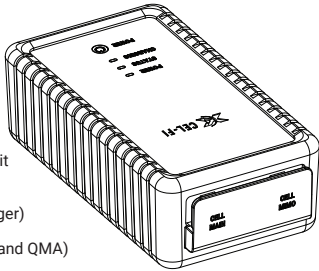
Cel-Fi COMPASS is Nextivity's site survey and installation tool to allow integrators to install and optimize a Cel-Fi QUATRA without the need for local Internet Cel-Fi Connectivity. The UI for Cel-Fi COMPASS is Cel-Fi WAVE PRO.

Main Features

- Installation support for Cel-Fi
- Assess signal quality on site
- Site Survey
- Antenna aiming
- Cel-Fi QUATRA OFFLINE TOOL (*replacement*)



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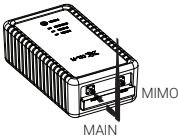
Quick Installation

IMPORTANT: Your **Cel-Fi COMPASS** is electronic equipment. The **Cel-Fi COMPASS** must be kept indoors and in a dry, cool, well ventilated area.

1

Connect the Whip Antenna

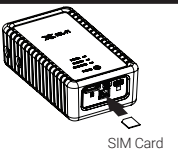
Connect the Whip Antenna to the MAIN port on the top of the unit.



2

Insert SIM Card

Insert an active SIM card in the slot at the bottom of the unit.



3

Download and Install Cel-Fi WAVE PRO App

Download and install the app Cel-Fi WAVE PRO available on both smartphones and tablets from the following app stores.





4

Connect Cel-Fi COMPASS and Cel-Fi WAVE PRO

Make sure **Cel-Fi COMPASS** is powered on and the "Status" light is solid green.

4a)

Enable Bluetooth in your phone and launch Cel-Fi WAVE PRO.

4b)

If a device is found, the app will automatically connect to it and proceed. If multiple devices are found, then a list is displayed and you can select which device to connect to.

4c)

Enter a name for your device, If you skip this option the serial number will be the name of your device.



5

Cel-Fi COMPASS & Cel-Fi WAVE PRO are now linked and ready to operate

The Cel-Fi COMPASS and Cel-Fi WAVE PRO work together to improve cellular coverage installations.

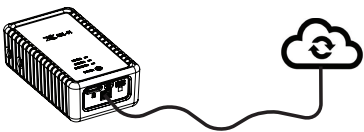
Customers who want to setup their Cel-Fi QUATRA 1000 or 2000 to run in an offline mode can use this tool to activate, configure basic settings and update the system software.

For customers with the Cel-Fi Antenna Mount, the Antenna Pointing feature will find the best direction to aim donor antennas. Cellular coverage reports and speed tests can be run on-site to help optimize Cel-Fi systems.



Software Update

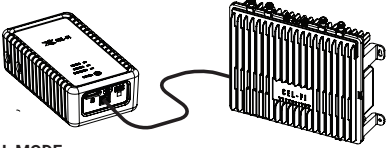
There are two modes to this feature depending on what Cel-Fi COMPASS is connected to:



SETUP MODE

1) Connect Cel-Fi COMPASS to the LAN using an ethernet cable.

2) In Cel-Fi WAVE PRO, select "Internet" then select "Download Software". The app will check for updates in the cloud. An exclamation mark "!" will appear if there are software updates available. Follow the instructions on the screen of your phone to download the file to Cel-Fi COMPASS.



INSTALL MODE

1) Connect Cel-Fi COMPASS to a Cel-Fi QUATRA Network Unit.

2) Select "Cel-Fi QUATRA" or "Cel-Fi QUATRA (Fixed IP)" if a fixed IP has been setup already.

3) From the main menu select "Software Update", the app will display a table with the NUs and CUs attached and the current software versions. Press "install Now" to start the software upgrade.

Antenna Pointing Algorithm

This feature is designed to work with the Cel-Fi Mount.

Make sure the Cel-Fi COMPASS is connected to the donor antenna using the SMA to N adaptor.

Set the antenna to a position on the mount then press the corresponding number in the app. Wait for the app to gather data to move the antenna to next position.



NOTE: Once the app has two or more data points, the app will recommend the strongest signal band

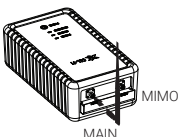
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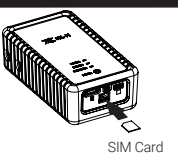
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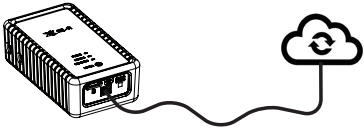
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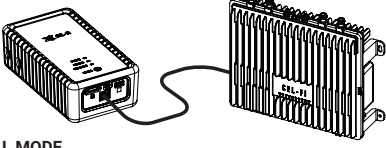
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PRODUCT INFORMATION

Cel-Fi™ COMPASS



Model#: K03-100-100

Safety Precautions

- This product utilizes batteries or an external power supply (adaptor). DO NOT connect this product to any power supply or adaptor other than one described in the manual, or specifically recommended by Nextivity.
- This product should be used only with the components supplied.
- There are no user serviceable parts inside.
- **CAUTION:** Changes or modifications to this product not expressly approved by Nextivity may void your right to operate the equipment.
- **WARNING:** These devices have no protection against lightning.

Warranty

Nextivity Inc provides a limited warranty for its products. For details, please refer to <http://cel-fi.com/warranty>.

Limitation of Liability

In no event shall Nextivity, nor its directors, employees, agents, suppliers or End Users, be liable under contract, tort, strict liability, negligence or any other legal or equitable theory with respect to the Products or any other subject matter of this Agreement (i) for any lost profits, cost of procurement of substitute goods or services, or special, indirect, incidental, punitive, or consequential damages of any kind whatsoever or (ii) for any direct damages in excess of (in the aggregate) the fees actually received by Nextivity from End User with respect to the Products actually purchased and paid for.

See <http://cel-fi.com/patents/> for list of patents covering this product.

Trademark

Cel-Fi, IntelliBoost, and Nextivity logo are trademarks of Nextivity, Inc.

Disposal Notice: Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc. If your dealer is unable to assist you, please contact Nextivity directly.

Keep batteries away from children. Dispose of used batteries promptly and as regulated by the laws in your area. Note: Check with any retailer of household type batteries in your area for battery disposal information.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer.

FCC STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

FCC Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

Electronic Label:

Your device may use an electronic label that provides some regulatory information about the device. To see the electronic label: On Wave APP, go to **Main Menu > Info > Regulatory**.



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ISED STATEMENT

BEFORE USE, meet all requirements set out in CPC-2-1-05.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

[FRENCH: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.]

Compliance Contact

In the event of regulatory compliance issue, please contact Nextivity Inc. directly. Contact information is available at www.nextivityinc.com.

Declaration of Conformity

Hereby, NEXTIVITY declares that this Cel-Fi Smart Signal Booster is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue.

Device types K03-100-100 model (FCC ID: YETK03100100) has also been tested against this SAR limit. The highest reported SAR values for product specific (Hotspot) is 1.90 W/kg respectively. The Max simultaneous SAR is 1.95 W/kg. This device was tested for addressed extremity testing with the back of the handset kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's addressed extremity and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

The Declaration of Conformity (DoC) may be consulted at <http://www.cel-fi.com/DoC/>.



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Nextivity Singapore Pte. Ltd.

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420N007-K03-002-10RA



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