



CEL-FI PRO Smart Signal Booster



Voice and data coverage for 3G and selected 4G (LTE) areas

IMPROVE YOUR INDOOR MOBILE COVERAGE

Nextivity's new generation Cel-Fi PRO Repeater is an intelligent Indoor Coverage Solution for 3G and selected 4G (LTE) areas, designed to help amplify the mobile signal from outside and disburse within your home or office. (1)



BENEFITS OF CEL-FI PRO



Provides Indoor Mobile Coverage

You need somewhere in your home or office that gets at least 1 bar of 3G or 4G signal to enable the Cel-Fi PRO to provide a level of indoor coverage. Note that the more bars of signal you have in your home or office space the better the performance of the Cel-Fi PRO will be. Simply place the Cel-Fi PRO boxes inside your home where your Optus 3G/4G signal is greatest (2), and enjoy better mobile reception. The indoor coverage is determined by several factors including the mobile signal strength at the Network Unit and the amount of walls in your home (1) (the Cel-Fi PRO may not provide a high level of performance with only one bar of signal).

Can Help Increase Mobile Data Speeds

Slow internet speeds on your mobile device are often caused by low signal. If you suffer from low signal in your home you will be able to relate to the frustration of trying to access email or the internet. The Cel-Fi PRO can help to amplify the available LTE/HSPA mobile signal and should increase your data speeds. Instead of purchasing fixed broadband services, you can now use your mobile broadband as your primary internet source. (1)



May Extend Mobile Phone Battery Life

Mobile phones use a lot more energy when in poor signal areas. The phone adjusts its internal power to compensate in an attempt to boost the poor signal. As a result the phone will consume a lot more battery power. Using the Cel-Fi PRO system your indoor mobile signal should be higher and the battery will last noticeably longer for you to work, talk, check Facebook and browse the internet. (3)



Helps Eliminate Dropped or Missed Calls

Avoid missing or losing an important call because of coverage issues again. The Cel-Fi PRO will provide continuous coverage throughout your home or office, so you can be contacted when required. No longer do you have to put up with calls dropping out or terminating during conversation. (1)



Improves Voice Quality

The quality of a voice call is usually determined by the phone's signal strength and nearby interference. With improved signal strength inside your home and no interference, the Cel-Fi PRO can help provide crystal clear voice quality for your mobiles. (1)



CEL-FI PRO FEATURES

- ➔ Helps to amplify and disburse 3G/HSPA and selected 4G (LTE) mobile signals.
- ➔ Fully wireless, plug and play that can be set up by the end user in minutes.
- ➔ Provides a coverage area up to 900m². (4)
- ➔ Supports up to 25 voice calls or 8 mobile data devices.
- ➔ Automatic Gain Control to help deliver maximum signal boost, whilst protecting the mobile network.
- ➔ Network-Safe protection that monitors mobile base stations in real time to ensure the Cel-Fi PRO does not interfere with the normal function of the mobile network.
- ➔ Intelligent antenna system with multiple inbuilt antennas to ensure maximum signal reception.
- ➔ Optional external antenna port, for connecting an outdoor antenna.
- ➔ Bluetooth Connectivity for remote monitoring with Smartphone App.
- ➔ Intuitive LCD display.

CEL-FI PRO SETUP

A typical setup involves placing the Network Unit (NU) in an area within the building that gets the best possible mobile signal. This would usually be an upstairs window (4) or a window at one end of the house.

The Coverage Unit (CU) is then placed within the main area of the house, or in an area that provides the best indoor signal dispersion. There is a wireless link between the Network Unit and Coverage Unit.

The Coverage Unit has a LED indicator with a numbering system from 0 - 9 representing the output power. Ideally you require 7 to 9 to ensure maximum indoor coverage. If the CU is close to the NU it will display a low number, as you move it further away the numbers should increase up to 9. At the same time the indoor coverage also increases.



For further information please contact:



PACKAGE CONTENTS

- ➔ 1 x Network Unit
- ➔ 1 x Coverage Unit
- ➔ 2 x Power Supplies
- ➔ 1 x Setup Guide

SPECIFICATIONS

MODEL

Cel-Fi PRO for Optus

CELLULAR BANDS

3G 900/2100 & 4G 1800/2600

SYSTEM GAIN

Up to 100 dB

NETWORK UNIT

179MM H

155MM W

110MM D

Weight: 540g

COVERAGE UNIT

160MM H

164MM W

79MM D

Weight: 450g

ENVIRONMENT

Operating temperature: 0° to 40°C

Storage temperature: -25° to 60°C

Relative humidity: 5 to 95%, noncondensing

Operating altitude: -60m to 3,050m

Storage altitude: 12,000m

RoHS (2002/95/EC) six of six compliant

WEEE (2002/96/EC)

3GPP COMPLIANCE

3GPP TS 25.143 Rel.8

SAFETY

EN60950-1:2005 +A1:2010

EN62311:2008 1999/519/EC EMF

UL/CS 60950-1 2005 2nd ED

POWER

12 VDC via external supply (2 included)

External supply: 100 to 240 VAC,

47 – 63 Hz.

Power consumption less than 25W per unit

CERTIFICATIONS

CE Mark

CB Mark

C-Tick

(1) The extent to which coverage, call quality and speeds are optimised (including across multiple devices within your office) may be affected by any congestion around the mobile network facility from which your Indoor Mobile Antenna is taking its signal, your handset and the layout of your property and office space. The Indoor Mobile Antenna only operates on the Optus 3G 2100MHz/900MHz and the 4G 1800MHz/2600MHz networks.

(2) A mobile network signal is usually strongest near the window.

(3) Battery life of your device may be affected by other factors, such as your handset, internet traffic and network coverage in your location.

(4) The performance of your Indoor Mobile Antenna may be affected if your premises are more than two floors above ground level.