

COTEL UK RENTAL

WIRELESS TECHNOLOGY FOR BUSINESS

Radio • Data • CCTV • Tracking • Satellite

CUSTOMER CARE: 08000 - 960 - 970 WWW.COTELTELECOM.CO.UK



by NEXIVITY™
CEL-FI

SMART SIGNAL BOOSTER



Cel-Fi GO X, for buildings and remote places. Built for indoor / outdoor tough-to-reach spaces.

This 100dB gain signal booster is ideal for use in commercial properties, government buildings, agricultural settings, small manufacturing operations, rural areas, businesses, and large homes.

- License exempt and freely deployable in the UK and Ireland for voice and data
- 100dB max signal gain with typical coverage area 15,000 sq.ft./1,400m²

- Supports one network per device, can be switched between networks
- Boosts both 3G and 4G signal coverage for O2, EE, Three or Vodafone, and all hosted MVNO under the network of your choice
- Indoor/outdoor IP66 rated
- Intelliboost™ chipset - unconditionally network-safe
- Easily switch between boosting Vodafone, O2, EE or Three signal using the WAVE App
- Cel-Fi GO X is CE and FCC approved
- License exempt under UK law and fully meets the requirements of Ofcom SI 2018/399

CEL-FI
GO X



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Cel-Fi WAVE Portal

- A dashboard overview of all your systems
- Data and performance metrics sent by the Wave App to the Wave Portal
- Software update management
- Users and group management

Network Safe

Self-organising edge intelligence ensures that Cel-Fi GO doesn't interfere with other indoor wireless products such as Wi-Fi routers, Small Cells, and Distributed Antenna Systems (DAS).




High speed Automatic Gain Control ensures that Cel-Fi GO is unconditionally network safe, and enables more simultaneous calls and higher data speeds.

IntelliBoost™ Chipset

The Nextivity IntelliBoost™ baseband processor is the first six-core processor designed specifically to optimise the indoor transmission and reception of 3G and 4G wireless signals.

With advanced filtering, equalisation and echo-cancellation techniques, Nextivity has developed an architecture which delivers unprecedented in-building data rates and pervasive 3G and 4G connectivity. The IntelliBoost™ processor ensures that Cel-Fi products never negatively impact the mobile network while providing maximum coverage.



Power	9.6 - 16.5V 2A current draw 16W nominal power consumption	<h3>Antenna Options</h3>  <p>Wideband Directional Antenna</p>  <p>Wideband Indoor Omni Antenna</p>  <p>Wideband Panel Antenna</p>
Environmental	Operating temperature: 0° to 65°C Convection Cooling Relative humidity: 0% to 95%, noncondensing RoHS 2 (European and China compliant) WEEE NEMA 4 . Surface Temp at any point (30° ambient): 53°C	
Installation	Mounting hardware included	
Radio Performance	The GO system can boost up to two bands concurrently. Either profile can be selected: A. One high band boost and one low band boost or B. Two high bands boost	
Antenna Ports	699 - 2180 Mhz Impedance: 50 Ohm Return Loss: 8 dB // Output Protection	
Physical Spec.	GO X: 96.5 / 43.25 / 272.5mm	
DC Power Plug	4 rated power plugs and jack	
Compliance	3GPP TS 25.143 Re1.10 3GPP T S 36.143 Re1.10 FCC Part 15, 20, 22, 24, 27 Bluetooth BQB CE	
System Management	Supports Cel-Fi WAVE cloud portal Cel-Fi WAVE Portal capability: • Status (list and map) • Commissioning • Diagnostics • Software Updates • Settings • Reporting • Alarms & Notifications	



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CEL-FI QUATRA

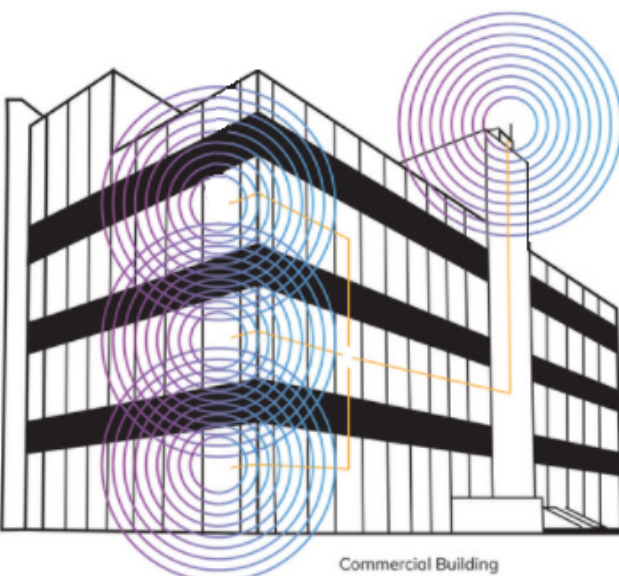
Overview

The Cel-Fi Quatra is an Active DAS Hybrid. It is an affordable, all-digital solution, providing high-quality cellular signal throughout the building that's scalable to the size needed. Unlike older analogue boosters and passive DAS technology, the Cel-Fi Quatra delivers a cellular signal that is up to 1000x stronger, utilizing CAT5e cabling for RF and Power over Ethernet with no signal attenuation right to the perimeter of the building. Cel-Fi Quatra receives the cellular signal from outdoors and distributes it to multiple points or floors throughout the building. The Cel-Fi Quatra 4000, which is coming soon, will support all 4 cellular networks simultaneously.

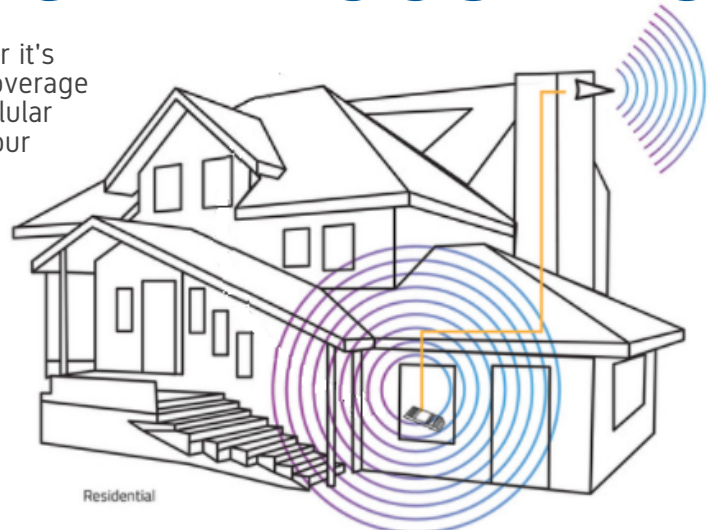


BENEFITS OF CELLULAR BOOSTERS

Smart Signal Boosters can be installed anywhere, whether it's building or a vehicle, to provide enhanced mobile data coverage around the designated site. The prime purpose of the cellular signal booster is to boost the weak reception inside of your vehicle, office, or home and make it stronger.



Commercial Building



Residential

If you experience a low level of signal inside of your home or office, the Cellular Booster is the perfect solution. The booster receives the cellular signal from outdoors via an external aerial, this signal is sent to the booster where it's strength is enhanced, and then the new, stronger signal is distributed indoors, taking over the weak signal which you had before and providing you with a reliable connection.



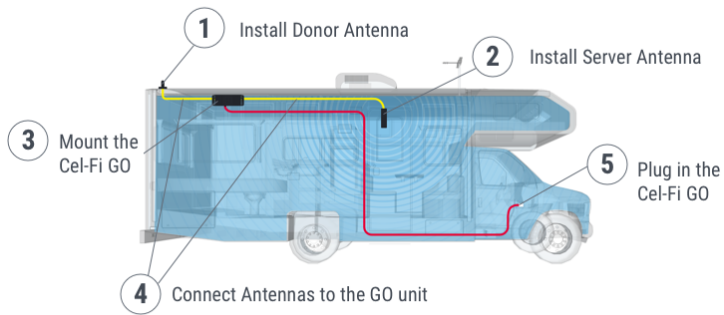
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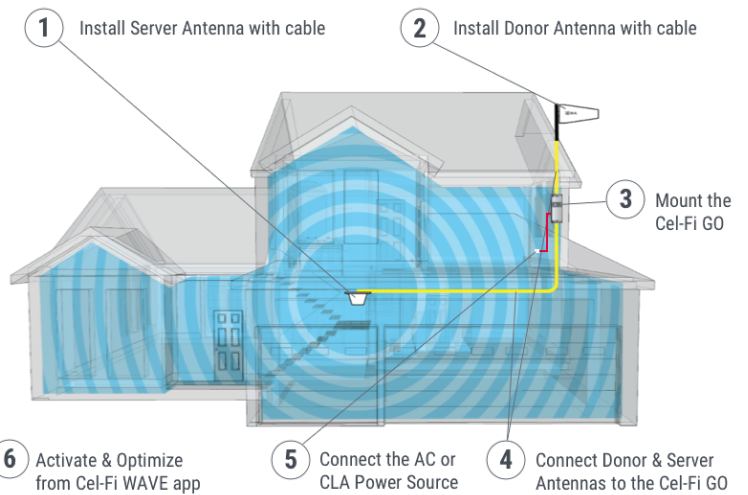
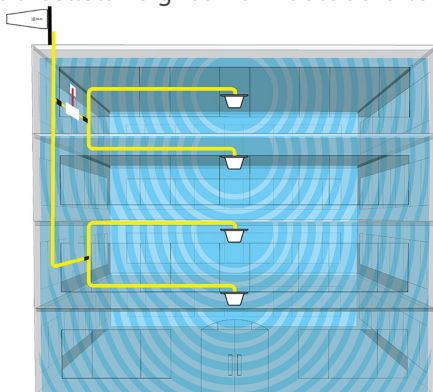


A FLEXIBLE SOLUTION



The Cellular Booster solution consists of: an External Aerial (Donor Antenna), which receives the mobile data reception from outside and sends it to the booster; the Cellular Booster (Cel-Fi GO X or Quatra), which boosts the signal level to make it stronger; and an Internal Aerial (Server Antenna), which distributes a strong signal level around the site, allowing you to make a secure connection.

Both Cel-Fi solutions are very flexible and can be used with a series of different outdoors and indoors aerials and devices to provide a flexible solution, fit for any business, area or home. Below is a series of diagrams, which indicate how the Cel-Fi GO X and Cel-Fi Quatra can be configured to boost a cellular signal from outdoors to indoors.

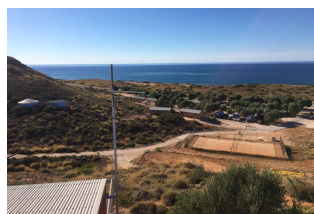


INDUSTRIES

Smart Signal Boosters are popular in the following industries:



Child Care & Home Learning



Holiday Parks & Travel



Office Environments



Education



Hospitality & Health Care



Warehouse & Retail

Keep in touch with the action... and in control of your business



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