

RADIO  
INDUSTRIES

*Improve  
your mobile coverage*



CEL-FI GO  
smart signal repeater

# Why CEL-FI?

Your mobile solution to improve 3G/4G voice and data coverage.

We're expected to be part of the always on connected world. But wireless technologies have a mind of their own and cellular connectivity diminishes or can even disappear when travelling on the open highway or when we move indoors. The Cel-Fi product line is the best solution on the market for addressing the universal challenge of poor cellular coverage in the office, at home, or on the road. Unconditionally network safe, with an exceptional coverage footprint and Carrier approved for 3G/4G voice and data.

# What is CEL-FI?

The most advanced technology for improving cellular coverage.

Cel-Fi GO is an evolved cellular smart signal booster design that can amplify existing cellular signals up to 100 dB. Connect a single Donor Antenna to receive the macro-network signals, and then a single indoor Service Antenna where you need service, and Cel-Fi GO will do the rest automatically.



*Improve your mobile coverage*

## CEL-FI WAVE app

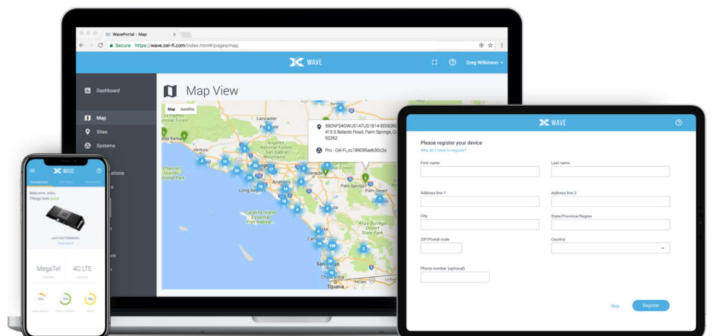
Designed as the Interface to CEL-FI Boosters.

The Cel-Fi WAVE app will communicate with your Cel-Fi Smart Signal Booster via Bluetooth and can be used for:

- Registering your Cel-Fi Smart Signal Booster.
- Monitoring your Cel-Fi Smart Signal Booster.
- Updating the Software in your Cel-Fi Smart Signal Booster.
- Configuring some hardware features in your Cel-Fi Smart Signal Booster.

Cel-Fi WAVE is the cloud-based software platform from which Cel-Fi apps and connected capabilities are hosted and driven. Current-generation Cel-Fi products include embedded connectivity technology that allows them to communicate with the WAVE cloud. The WAVE portal and apps are used to facilitate registration, commissioning, installation, optimization and troubleshooting. Over time, the Cel-Fi WAVE platform continues to expand in features and function.

Cel-Fi WAVE is available on both smartphones and tablets from the following app stores:



# How do I setup **CEL-FI?**

## Choose GO Mobile or Stationary Setup in 5 easy steps.



Recommended for **CARS, 4WD, VANS, TRUCKS & BOATS**



### CEL-FI GO Mobile

The evolved in-vehicle smart signal booster that's great for cars, trucks, RVs and marine installations.

**Step 1** Install the Donor Antenna

**Step 2** Install the Service Antenna

**Step 3** Mount CEL-FI GO

**Step 4** Connect Donor & Service Antennas to the CEL-FI GO Unit

**Step 5** Plug in CEL-FI GO Power Supply

[DOWNLOAD the CEL-FI GO Mobile Quick Start Guide](#)



Recommended for **HOME, OFFICE & RURAL**



### CEL-FI Stationary

This multi-band solution is ideal for use in commercial properties, government buildings, agricultural settings, small manufacturing operations, rural areas, businesses, and large homes.

**Step 1** Install the Donor Antenna

**Step 2** Install the Service Antenna

**Step 3** Mount CEL-FI GO Near Power Outlet

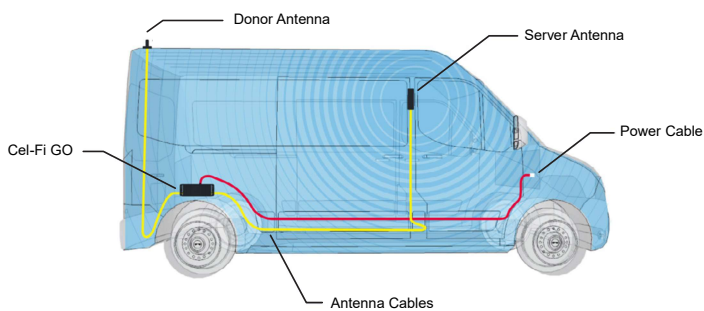
**Step 4** Connect Donor & Service Antennas to the CEL-FI GO Unit

**Step 5** Plug in CEL-FI GO Power Supply

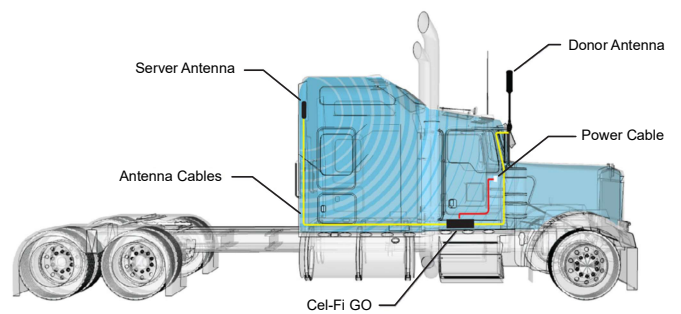
[DOWNLOAD the CEL-FI GO Stationary Quick Start Guide](#)

## Sample Layouts

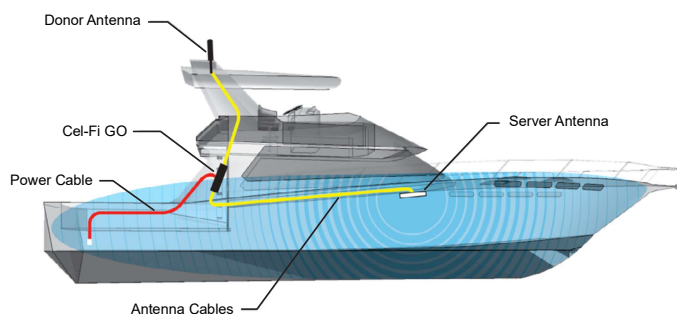
### Cars, Vans, 4WD



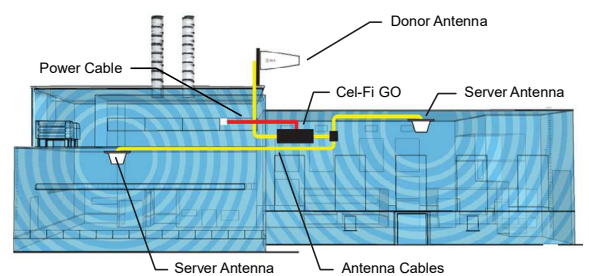
### Trucks



### Boats



### Home/Buildings



# CEL-FI GO Mobile smart signal repeater

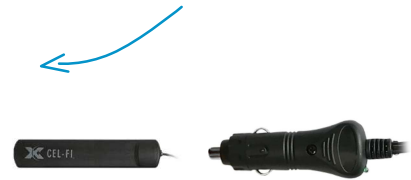
*Improve your mobile coverage*

## MOBILE PACKS

- \*Telstra models (GO)  
 - Supports 3G (850) and 4G (700/1800)  
 - only one band at a time



### Most Popular Kit



### CEL-FI GO T+ANT

locked to Telstra network

- Includes:
- CEL-FI GO Repeater
  - Axis CLR8-5G - Spring based Antenna Kit
  - CEL-FI Internal Antenna Kit
  - 12 Volt Power Supply

Recommended for:



This kit features the 73cm CLR8-5G high quality 7/9 dBi spring base antenna.  
**Ideal for highway and all on/off-road communications.**

### CEL-FI GO TELSTRA

locked to Telstra network

- Includes:
- CEL-FI GO Repeater
  - CEL-FI Internal Antenna Kit
  - 12 Volt Power Supply

Recommended for:  
**MOBILE APPLICATIONS**



### CEL-FI GO T+030

locked to Telstra network

- Includes:
- CEL-FI GO Repeater
  - Blackhawk ANT-BH-0030 Trucker Edge Antenna Kit
  - CEL-FI Internal Antenna Kit
  - 12 Volt Power Supply

Recommended for:



This kit features the 60cm Omni Trucker Edge Compact LITE 5dBi spring base antenna.  
**Ideal for highway and all on/off-road communications.**

## CEL-FI GO Mobile Packs

**Need Help**  
*selecting the right pack?*



Contact Radio Industries for best advise in selecting a Cel-Fi kit suitable to your requirements

# CEL-FI GO Mobile smart signal repeater

*Boost your mobile signal*

## MOBILE PACKS

\*Telstra models (GO)  
 - Supports 3G (850) and 4G (700/1800)  
 - only one band at a time



### CEL-FI GO T+179

locked to Telstra network

- Includes:
- CEL-FI GO Repeater
  - CEL-FI External Magnetic Antenna Kit
  - CEL-FI Internal Antenna Kit
  - 12 Volt Power Supply

Recommended for:



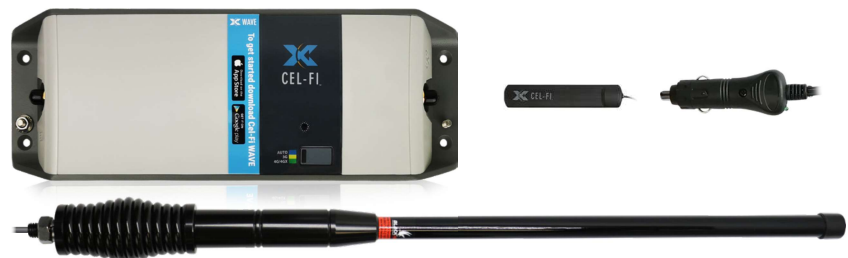
This kit features the Magnetic omnidirectional wideband 4dBi antenna.  
**Ideal for construction sites, highway and all on/off-road communications.**

### CEL-FI GO T+205B

locked to Telstra network

- Includes:
- CEL-FI GO Repeater
  - Blackhawk ANT-BH-OM-205B Trucker Antenna Kit
  - CEL-FI Internal Antenna Kit
  - 12 Volt Power Supply

Recommended for:



This kit features the 68cm Trucker Edge Compact 4/6dBi spring base antenna.  
**Ideal for highway and all on/off-road communications.**

### CEL-FI GO T+206B

locked to Telstra network

- Includes:
- CEL-FI GO Repeater
  - Blackhawk ANT-BH-OM-206B Trucker Antenna Kit
  - CEL-FI Internal Antenna Kit
  - 12 Volt Power Supply

Recommended for:



This kit features the 40cm Mini Trucker 3/5dBi spring base antenna.  
**Ideal for highway and all on/off-road communications.**

CEL-FI GO Mobile Packs

*Need Help selecting the right pack?*



Contact Radio Industries for best advise in selecting a Cel-Fi kit suitable to your requirements

# CEL-FI GO Mobile smart signal repeater

*Improve your mobile coverage*

## MOBILE PACKS

### CEL-FI GO OPTUS

OPTUS  locked to Optus network

- Includes:
- CEL-FI GO Repeater
  - CEL-FI Internal Antenna Kit
  - 240V/12 Volt Power Supply

- \*Optus models (GO)**
- Supports 3G (850) and 4G (700/1800)
  - only one band at a time

- \*Vodafone (GO2)**
- Supports 3G (900/2100) and LTE (850/1800/2100)

Recommended for:  
MOBILE APPLICATIONS



### CEL-FI GO O+ANT

OPTUS  locked to Optus network

- Includes:
- CEL-FI GO Repeater
  - Axis CLR8-5G - Spring based Antenna Kit
  - CEL-FI Internal Antenna Kit
  - 240V/12 Volt Power Supply

Recommended for:



This kit features the 73cm CLR8-5G. A high quality 7/9 dBi spring base antenna. Ideal for highway and all on/off-road communications.

### CEL-FI GO 2 VODA

  locked to Vodafone network

- Includes:
- CEL-FI GO 2 Repeater
  - CEL-FI Internal Antenna Kit
  - 240V/12 Volt Power Supply

Recommended for:  
MOBILE APPLICATIONS



### CEL-FI GO V+ANT

  locked to Vodafone network

- Includes:
- CEL-FI GO 2 Repeater
  - Axis CLR8-5G - Spring based Antenna Kit
  - CEL-FI Internal Antenna Kit
  - 240V/12 Volt Power Supply

Recommended for:



This kit features the 73cm CLR8-5G. A high quality 7/9 dBi spring base antenna. Ideal for highway and all on/off-road communications.

CEL-FI GO Mobile Packs

**Need Help**  
selecting the right pack?



Contact Radio Industries for best advise in selecting a Cel-Fi kit suitable to your requirements

# CEL-FI GO Mobile smart signal repeater

MOBILE PACKS

\*Telstra models (GO)  
- Supports 3G (850) and 4G (700/1800)  
- only one band at a time

**Boost**  
your mobile signal  
on the open sea



## CEL-FI GO TELSTRA MP

 locked to Telstra network

Includes:

- CEL-FI GO Repeater
- Blackhawk ANT-BH-OM-201 Antenna
- Adjustable Angle Bracket
- CEL-FI Internal Antenna Kit
- 1 x 10m Cable
- 240V/12 Volt Power Supply

Recommended for:



This kit features the 126cm Blackhawk 7-10dBi antenna.  
Ideal for Marine applications.

## CEL-FI MARINE PACK

Specifically designed to boost the mobile signal  
in Marine Applications

In most situations, having a good mobile signal whilst near the marina or close to shore is not a problem. But what happens when you head out to the open sea?

Usually... ?##\*-j\*... \_\_\_\_\_

CEL-FI allows boaters to go further offshore and boost a weak mobile signal in some cases from 1, to 3 or 4 bars which translates to clearer and reliable voice and data transmission when you need it the most.



# CEL-FI BUILDING PACK kits

The most advanced technology for improving cellular coverage.



Up to 100dB Max Gain



Indoor / Outdoor Protection



Multi-User

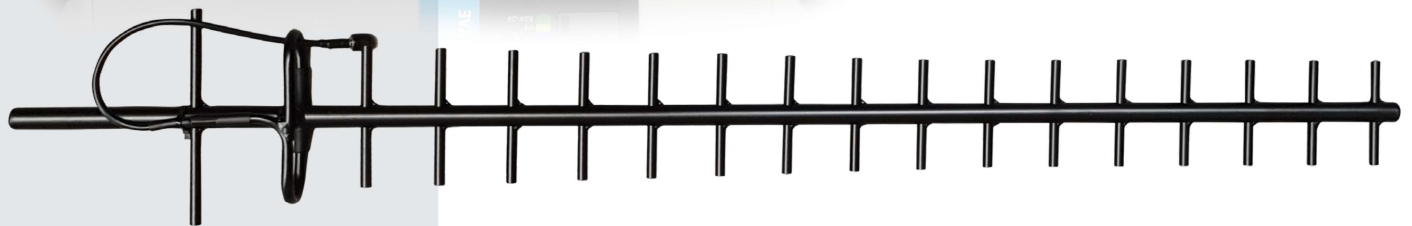


# CEL-FI GO Stationary smart signal repeater

**Boost**  
your mobile signal

## BUILDING PACKS

- \*Telstra models (GO)
- Supports 3G (850) and 4G (700/1800)
- only one band at a time



### CEL-FI GO TELSTRA BP

 locked to Telstra network

#### YAGI PACK

Includes:

- CEL-FI GO Stationary Repeater
- External Yagi Antenna
- Internal Wall Mount Panel Antenna
- 1 x 10m / 1 x 6m Cables
- 240V Power Supply

Recommended for:



SINGLE STOREY HOMES



BUILDINGS

This kit features the Blackhawk Yagi 14dBi external antenna, which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 5-7dBi indoor wall mount antenna boosts the signal internally. **Ideal for rural and regional areas out to about 40 kilometres from the nearest base station.**

### CEL-FI GO ST

 locked to Telstra network

#### STATIONARY PACK

Includes:

- CEL-FI GO Stationary Repeater
- 240V Power Supply

Recommended for:  
STATIONARY APPLICATIONS



### CEL-FI GO TELSTRA IO

 locked to Telstra network

#### INSIDE/OUTSIDE PACK

Includes:

- CEL-FI GO Stationary Repeater
- External Yagi Antenna
- Internal Wall Mount Panel Antenna
- Outdoor MARS Panel Antenna
- 2 x 10m / 1 x 6m Cables / 1 x Patch Cable
- 2 Way DAS Splitter/Combiner
- 240V Power Supply

Recommended for:



SINGLE STOREY HOMES



OUTDOOR AREAS



BUILDINGS



This kit features the Blackhawk Yagi 14dBi external antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 5-7dBi indoor panel antenna, boosts the signal internally (within the house or building) whilst the 5dbi MARS Antenna placed outdoors boosts the signal to external areas. **Ideal for Cattle-Yard, Farming & Residential applications.**

## CEL-FI GO Building Packs

**Need Help**  
selecting the right pack?



Contact Radio Industries for best advise in selecting a Cel-Fi kit suitable to your requirements

# CEL-FI GO Stationary smart signal repeater

*Improve your mobile coverage*

## BUILDING PACKS

### CEL-FI TELSTRA BPLP

  locked to **Telstra network**

#### LPDA PACK

Includes:

- CEL-FI GO Stationary Repeater
- External LPDA Antenna
- Internal Slimline Ceiling Antenna
- 1 x 10m / 1 x 6m Cables
- 240V Power Supply

#### \*Telstra models (GO)

- Supports 3G (850) and 4G (700/1800)
- only one band at a time

#### \*Optus models (GO)

- Supports 3G (850) and 4G (700/1800)
- only one band at a time

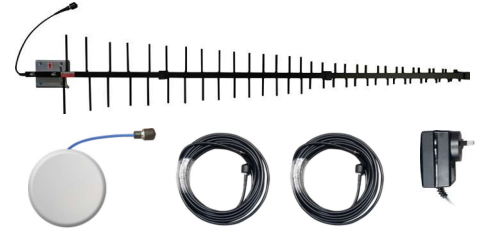
Recommended for:



SINGLE STOREY HOMES



BUILDINGS



This kit features the Blackhawk LPDA 11/12dBi external antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 3-5dBi indoor slimline ceiling mount antenna boosts the signal internally.

**Ideal for CBD & Urban area applications.**

### RPR-CF-00599

OPTUS

 locked to **Optus network**

#### WIDEBAND LPDA PACK

Includes:

- CEL-FI GO Stationary Repeater
- External Compact Wideband LPDA Antenna
- Internal Wall Mount Panel Antenna
- 1 x 10m / 1 x 6m Cables
- 240V Power Supply

Recommended for:



SINGLE STOREY HOMES



BUILDINGS



This kit features the Blackhawk Compact Wideband LPDA 9/10dBi antenna, which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 5-7dBi internal wall mount antenna boosts the signal internally.

**Ideal for Urban or Suburban area applications.**

### RPR-CF-00235

OPTUS

 locked to **Optus network**

#### LPDA PACK

Includes:

- CEL-FI GO Stationary Repeater
- External LPDA Antenna
- Internal Wall Mount Panel Antenna
- 1 x 10m / 1 x 6m Cables
- 240V Power Supply

Recommended for:



SINGLE STOREY HOMES



ODD SHAPED HOMES



BUILDINGS



This kit features the Blackhawk Wideband LPDA 11/12dBi antenna, which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 5-7dBi internal wall mount antenna boosts the signal internally.

**Ideal for CBD & Urban area applications.**

CEL-FI GO Building Packs

**Need Help**  
selecting the right pack?



Contact Radio Industries for best advise in selecting a Cel-Fi kit suitable to your requirements

# CEL-FI DAS kits

The Cel-Fi DAS kits adopts the principles of a distributed antenna system used when a larger coverage area is required. The signal output of the GO is divided using a high isolation splitter and multiple service antennas distribute the signal to different rooms or floors.



## CEL-FI GO Stationary smart signal repeater

### BUILDING PACKS

#### RPR-CF-00119

  locked to Telstra network

#### HIGH GAIN DAS PACK 2

Includes:

- CEL-FI GO Stationary Repeater
- External High Gain OMNI Antenna
- 2 x Internal Clear Ultrathin Pulse DAS Antennas
- 2 Way DAS Splitter/Combiner
- 3 x 10m / 1 x Patch Cables
- 240V Power Supply

\*Telstra models (GO) - Supports 3G (850) and 4G (700/1800) - only one band at a time

Recommended for:



LARGE HOMES



BUILDINGS



This kit features the Blackhawk Omni 6dBi external antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 4-6dBi indoor pulse DAS antennas, spaced out at 20m apart, boost the signal internally, covering large areas. **Ideal for Urban or Suburban area applications.**

#### RPR-CF-00544

  locked to Telstra network

#### LPDA DAS PACK 2

Includes:

- CEL-FI GO Stationary Repeater
- External Wideband LPDA Antenna
- 2 x Internal Clear Ultrathin Pulse DAS Antennas
- 2 Way DAS Splitter/Combiner
- 3 x 10m / 1 x Patch Cables
- 240V Power Supply

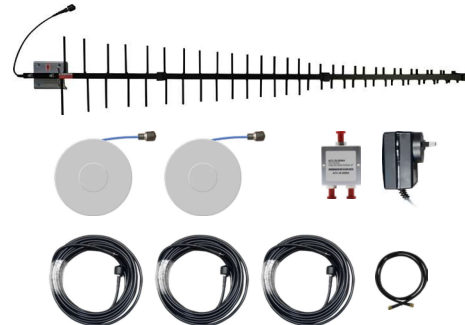
Recommended for:



LARGE HOMES



BUILDINGS



This kit features the Blackhawk Wideband LPDA 11/12dBi antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 4-6dBi indoor pulse DAS antennas, spaced out at 20m apart, boost the signal internally, covering large areas. **Ideal for Urban or Suburban area applications.**

#### RPR-CF-00545

  locked to Telstra network

#### YAGI DAS PACK 2

Includes:

- CEL-FI GO Stationary Repeater
- External Yagi Antenna
- 2 x Internal Clear Ultrathin Pulse DAS Antennas
- 2 Way DAS Splitter/Combiner
- 3 x 10m / 1 x Patch Cables
- 240V Power Supply

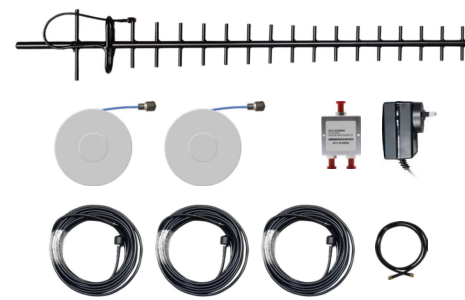
Recommended for:



LARGE HOMES



BUILDINGS



This kit features the Blackhawk YAGI 14dBi antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 4-6dBi indoor pulse DAS antennas, spaced out at 20m apart, boost the signal internally, covering large areas. **Ideal for rural and regional areas out to about 40 kilometres from the nearest base station.**

CEL-FI GO Building Packs

**Need Help**  
selecting the right pack?



Contact Radio Industries for best advise in selecting a Cel-Fi kit suitable to your requirements

# CEL-FI GO Stationary smart signal repeater

*Improve your mobile coverage*

## BUILDING PACKS

### RPR-CF-00717

locked to Telstra network

#### OMNI DAS PACK 1

Includes:

- CEL-FI GO Stationary Repeater
- External High Gain OMNI Antenna
- Internal Slimline Ceiling Antenna
- Internal Wall Mount Panel Antenna
- 2 Way DAS Splitter/Combiner
- 3 x 10m / 1 x Patch Cables
- 240V Power Supply

\*Telstra models (GO)

- Supports 3G (850) and 4G (700/1800)
- only one band at a time

Recommended for:



TWO STOREY HOMES



BUILDINGS



This kit features the Blackhawk Omni 6dBi antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 5-7dBi internal wall mount and 3-5dBi slimline ceiling mount antennas boost the signal internally, covering large areas.

**Ideal for Urban or Suburban area applications.**

### RPR-CF-00718

locked to Telstra network

#### LPDA DAS PACK 1

Includes:

- CEL-FI GO Stationary Repeater
- External LPDA Antenna
- Internal Slimline Ceiling Antenna
- Internal Wall Mount Panel Antenna
- 2 Way DAS Splitter/Combiner
- 3 x 10m / 1 x Patch Cables
- 240V Power Supply

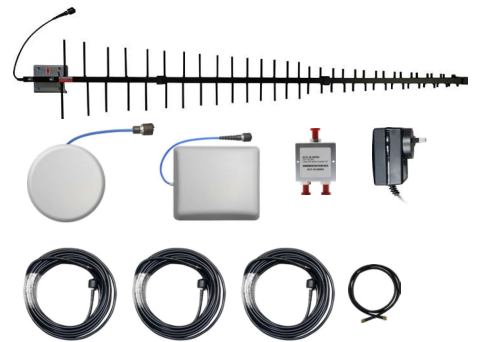
Recommended for:



TWO STOREY HOMES



BUILDINGS



This kit features the Blackhawk Wideband LPDA 11/12dBi antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 5-7dBi internal wall mount and 3-5dBi slimline ceiling antennas boost the signal internally, covering large areas.

**Ideal for Urban or Suburban area applications.**

### RPR-CF-00719

locked to Telstra network

#### YAGI DAS PACK 1

Includes:

- CEL-FI GO Stationary Repeater
- External Yagi Antenna
- Internal Slimline Ceiling Antenna
- Internal Wall Mount Panel Antenna
- 2 Way DAS Splitter/Combiner
- 3 x 10m / 1 x Patch Cables
- 240V Power Supply

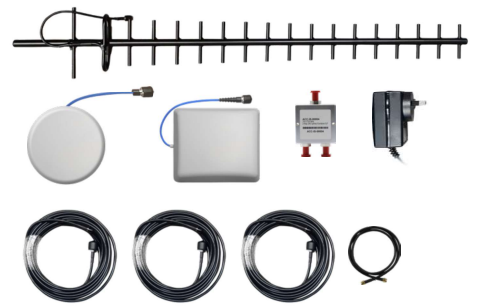
Recommended for:



TWO STOREY HOMES



BUILDINGS



This kit features the Blackhawk YAGI 14dBi antenna which is affixed on the rooftop collecting the mobile signal from outside and transferring it to Cel-Fi GO. The 5-7dBi internal wall mount and 3-5dBi slimline ceiling antennas boost the signal internally, covering large areas.

**Ideal for Urban or Suburban area applications.**

CEL-FI GO Building Packs

**Need Help**  
selecting the right pack?



Contact Radio Industries for best advice in selecting a Cel-Fi kit suitable to your requirements

# CEL-FI PRO smart signal repeater

*Boost  
your mobile signal*

## BUILDING PACKS



### CEL-FI PRO TELSTRA

🔒 locked to Telstra network

#### PRO TELSTRA

Includes:

- CEL-FI GO PRO Repeater
- 240V Power Supply

#### Provides Indoor Mobile Coverage

All you need is 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 indoor coverage.

#### CEL-FI PRO FEATURES

- Amplifies and disburse a Telstra 3G/4G/HSPA/LTE mobile signal.
- Fully wireless, plug and play that can be setup by the end user in minutes.
- Provides a coverage area up to 900m<sup>2</sup>
- Automatic Gain Control to deliver maximum signal boost, whilst protecting the mobile network.
- Intelligent antenna system with multiple inbuilt antennas to ensure maximum signal reception.



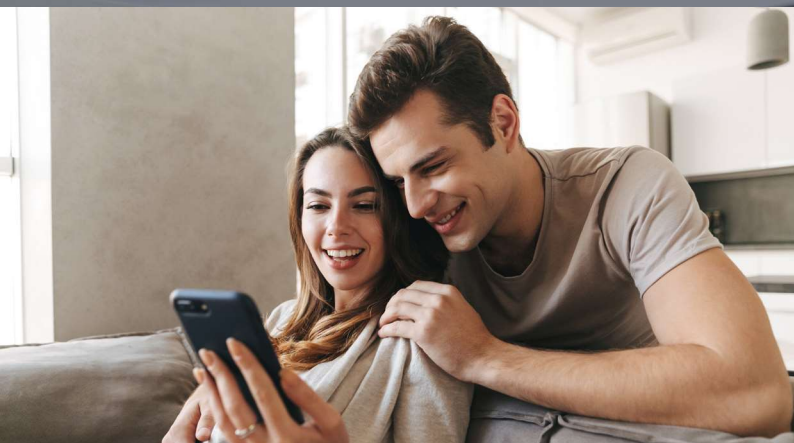
THE PRO SERIES repeater is perfect for those who have a minimum of 1 bar of coverage within their home or office.

**General Guide:** If you have 1 bar on your phone the CEL-FI PRO requires an antenna, but if two bars on your phone, no antenna is required.

**Ideal for CBD or Urban area applications.**



*Improve  
your INDOOR mobile coverage*  
with CEL-FI PRO



# CEL-FI GO Stationary smart signal repeater

## CARAVAN PACK

- \*Telstra models (GO)
- Supports 3G (850) and 4G (700/1800)
- only one band at a time



RPR-CF-00117



### CARAVAN PACK

Includes:

- CEL-FI GO Stationary Repeater
- External Compact Wideband LPDA Antenna
- Internal Wall Mount Panel Antenna
- 1 x 10m / 1x 6m Cables
- 240V/12 Volt Power Supply

Recommended for:



CARAVANS



RV's

This kit features the Blackhawk Compact Wideband LPDA Antenna. Ideal for Caravan & RV's.



# CEL-FI in a CARAVAN

## STAY CONNECTED ON THE GO



### WHEN YOU *(and the kids)* NEED RELIABLE MOBILE COVERAGE ON YOUR GETAWAY

Living in Australia and New Zealand, you'll understand the frustration of patchy or non-existent mobile reception when travelling outside city limits. Introducing Cel-Fi GO, a Mobile Signal Repeater, the ideal product to boost and distribute a 3G/4G mobile signal. You'll never again have to move or stay in a certain spot to make and receive calls or worry when you decide to take a drive off the beaten track or sail across the ocean.

Just install a Cel-Fi GO into your RV, caravan, campervan, boat or vehicle and get signal on the go! In your leisure time you can enjoy coverage in your vehicle or boat when you go camping, four-wheel driving or fishing – it's the perfect outdoor companion.

Coupled with antennas and the Cel-Fi WAVE smartphone app, Cel-Fi GO is the ideal solution to resolve the toughest coverage challenges.

Cel-Fi GO can amplify the available LTE/HSPA mobile signal and increase your data speeds dramatically. Email, internet, video and social networking speeds can achieve up to 4x improvement.

Using a Cel-Fi GO, your indoor and outdoor mobile signal should be high, and the battery life of your device will be extended to allow you to work, talk and play longer.

This superior product is the only legal option in Australia to boost your mobile signal. Cel-Fi repeaters go hand-in-hand with caravans – they are the perfect addition to enable users a greater radius of signal from nearby cellular towers when out and about.

## EXTERNAL ANTENNA options

### Building Antennas

#### ANT-BH-YG-100-10

Blackhawk 4GX 14dBi Yagi Antenna



#### ANT-BH-YG-LOG-LP

Blackhawk 4G-5G 12/14dBi Antenna

#### ANT-BH-YG-WIDE-10

Blackhawk 8/9dBi Wideband LPDA Antenna

#### OMNI High Gain

Blackhawk 6dBi Wideband LPDA Antenna

### Vehicle Antennas

#### CEL-FI GO MAGNETIC

GSM Antenna

#### CLR8-5G

Axis 7-9dB Radome Antenna

#### ANT-BH-00030

Blackhawk Trucker Edge C/lite

#### ANT-BH-OM-205B

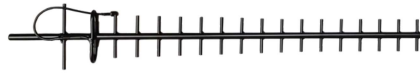
Blackhawk Trucker Edge

#### ANT-BH-OM-206B

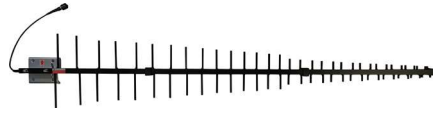
Blackhawk Trucker Mini

EXTERNAL ANTENNA Options

# Understanding Antennas



The Yagi antenna operates on both 850 MHz 3G and 700 MHz 4G without any major compromise in performance. Once the 3G network has been shut off the antenna will then provide connectivity over the 5G NR850 network which will take its place. With a 14 dBi gain, the antenna is designed to operate in rural and regional areas, out to about 40 kilometres from the nearest base station. 14 dBi provides a good compromise between high gain and narrow beamwidth. Antennas need to maintain a reasonably wide beam (around 25 degrees in this case) to capture reflected and delayed radio paths that your device can digitally reconstruct.



The LPDA antenna covers all cellular bands between the 700 and 4000 MHz range with a high peak gain which projects maximum energy in the direction of the cell tower, while maintaining a wide enough beam to capture signal reflections off nearby buildings, hills, and signal scattered by trees. A Log Periodic Dipole Antenna, or LPDA for short, is a clever antenna design that provides exceptional wideband performance by phasing a series of elements together, much like an ordinary Yagi but with each successive element of a smaller (or larger) length. The result of this clever engineering is an antenna that holds high gain, with good tuning, across the entire cellular frequency range.



The Mini LPDA is a small antenna that provides good performance with a lightweight, low-cost design that operates across the entire 700 to 2700 MHz 3G / 4G frequency range, along with the 5G Low-Band. This antenna is great for areas where the indoor signal is weak, and only a simple antenna on the roof is enough to give a fantastic improvement.



The Omni antenna provides high gain across the full cellular band 700 to 2700 MHz regardless of mounting direction, allowing quick and easy installation with no technical know-how required. This antenna is also great for moving plant and machinery. The antenna's 6 dBi gain is considered a sweet spot for maximum performance out to the horizon while still maintaining a wide enough vertical beam to tolerate tilting and pitching as equipment moves over rough ground or deployed on uneven ground. The true wideband performance has been achieved through a clever engineering design utilising multi-sized collinear radiators and microwave-grade combiners, demonstrating consistently high gain with exceptional azimuthal stability.



This antenna is an outdoor wideband cellular omnidirectional antenna with up to 4 dB gain. The weather resistant IP67 plastic casings are built to securely attach to autos, trucks, vans, SUVs, and RVs.



The CLR8-5G is a high quality, performance radome 7-9 dBi antenna featuring a spring base. This antenna at 73cm is ideal for highway communications and all off-road use. The collinear design offers the ultimate coverage across 700 to 3800MHz frequency range. It covers 4G and 5G Networks.



The Omni Trucker Edge Compact LITE 5dBi antenna at 60cm will provide the perfect solution for voice and data applications across 700 to 2100MHz frequency range. It covers 3G and 4G networks.



The Trucker Edge Compact 4-6 dBi antenna at 68cm will provide the perfect solution for voice and data applications across 700 to 2100MHz frequency range. It covers 3G and 4G networks.



The Mini Trucker 3-5 dBi antenna at 40cm will provide the perfect solution for voice and data applications across 698 to 2700MHz frequency range. It covers 3G and 4G networks.

**Need Help**  
selecting the right antenna?



Contact Radio Industries for best advice in selecting a Cel-Fi kit suitable to your requirements



## INTERNAL ANTENNA options

### Marine & Caravan

#### ANT-BH-00046

Blackhawk Marine Grade Antenna and Mount



#### ANT-BH-WALL

CEL-FI Wall Mount Panel Antenna



#### ANT-BH-OM-C

Blackhawk 2-5dBi Indoor Ceiling Dome Antenna

#### ADHESIVE MOUNT ANTENNA

698-2700MHz (3.5dBi)

## ACCESSORY options

#### CEL-FI 240V

Power Supply

#### CEL-FI 12V

Cig Power Lead

#### ACC-PT-00021

CEL-fi LSFH-240 10m Cable

# Understanding Antennas & accessories



The Blackhawk Marine Antenna is designed for versatility, for use in a variety of environments, in low to high signal areas and mounted in a marine environment. With a high 7/10 dBi gain and supporting all bands, this antenna will provide the perfect solution for voice and data applications where high gain marine antennas are required.



The Indoor Wall Mount Antenna is designed to provide mobile coverage inside a building when connected to the CEL-FI cellular repeater system. Indoor panel antennas are considered "semi-directional", where they aim to provide a moderate 5 - 7 dBi gain covering 698 - 4000Mhz frequency range. The antenna supports all major 4G and 5G mobile networks globally and has a low-PIM design to broadcast multiple carriers from the one antenna.



Operating on all major 3G, 4G and 5G frequency bands, the Ceiling Dome Antenna is an ideal companion to Cel-Fi repeater systems installed in commercial and industrial buildings. Indoor dome antennas are designed to be mounted to the ceiling of your building to provide consistently distributed mobile phone service from your Cel-Fi repeater/booster. The antenna is compact with a visually unobtrusive design like a smoke alarm, which also makes it suitable for installation in marine and caravanning. Ceiling-mount antennas are installed by mounting through a ceiling tile or plasterboard and securing with its plastic wedge nut inside the ceiling space. The antenna's Low PIM design supports multi-carrier aggregation and multiple mobile services outputs through the one antenna.



This antenna is easily hidden measuring -10cm long with an adhesive back. Used primarily for marine, caravan and car applications where other internal antennas are too strong to achieve the required isolation. If you do not have enough distance or a suitable barrier between the external and internal antennas, the system will not work.



# Improve your mobile coverage



On the GO



Marine



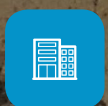
Caravan



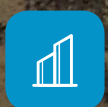
RV



Home



Building



Office



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BETTER  
COVERAGE**