



Smart Antennas

Location-aware variable gain antennas for signal repeaters and UHF radios.



The **only antenna** that **automatically adapts** to its surroundings.



Part #: ANCA1101AU-01

Introducing a true revolution in antenna technology – variable gain smart antennas that switch between high and low gain modes to deliver peak performance in every setting.

Powered by our innovative ZetiLink™ technology, the antenna automatically selects the optimal gain mode for your device based on a blend of GPS location data that gauges whether you're in flat or hilly terrain, antenna attitude (tilt), and user-selected preferences.

Get more out of your signal repeater or UHF radio with the convenience and enhanced performance of a Zetifi smart antenna.



Dual gain antenna whip provides high and low gain modes.



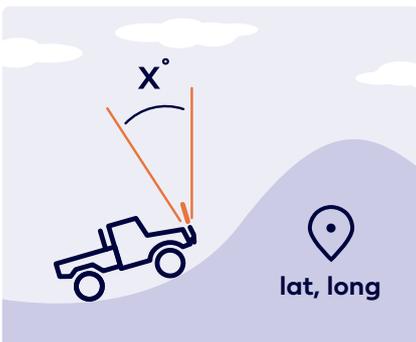
Inbuilt GPS sensor linked to ZetiLink™ data set identifies terrain as flat, hilly or urban.



Gyroscope detects antenna attitude (tilt) to adjust gain for road gradient.



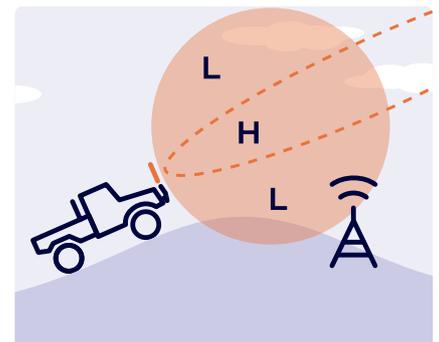
ZetiLink™ engine processes location and other data in real-time.



Inbuilt GPS and gyroscope detect antenna location and attitude (tilt)



ZetiLink™ engine processes data to determine optimal antenna mode



Antenna seamlessly switches between high and low gain modes

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Why antenna gain matters

Terrain really makes a difference when it comes to antenna performance. The long and flat radiation pattern of a high gain antenna is ideal in open country but is unsuited to hilly terrain or built up areas where the radiation pattern of a low gain antenna is more effective.

With traditional antennas you have to compromise on performance or deal with the inconvenience of swapping antenna whips as you move through different areas.

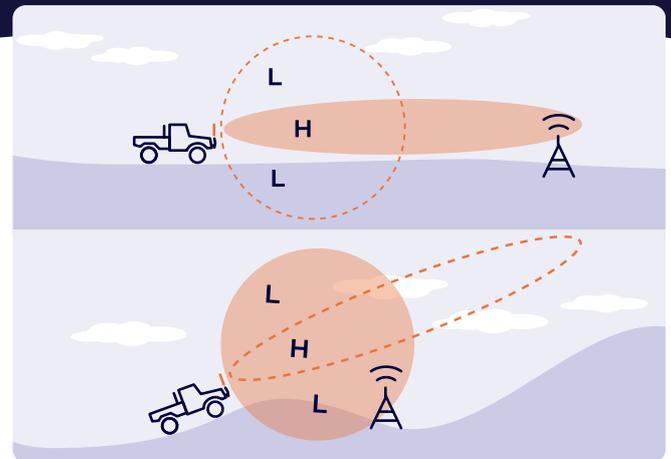
Zetifi's smart antennas automatically optimise their gain setting to give you optimal performance in all terrain.

Control and monitoring



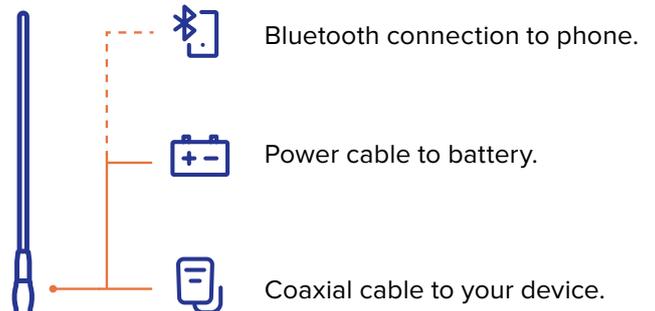
The companion app connects to your smart antenna via bluetooth and enables real-time updates of pre-loaded terrain maps or manual selection of high or low gain modes.

It also allows you to monitor your smart antenna's current mode, tilt, and voltage.



Installation and operation

Connecting the smart antenna to your signal repeater or UHF radio is easy but we recommend engaging an auto-electrician to ensure optimal performance and safe operation.



Specifications

Code	Product Description	Gain Modes	Frequencies	Power	Length
ANCA1101AU-01	Cellular (4G/5G) Smart Antenna	Variable gain 3dBi & 6.5dBi	698-960 MHz, 1710-2170 MHz, 2300-2700 MHz, 3400-3800 MHz	0.7W 12V	1050mm

VEHICLE BOOSTER PACK AVAILABLE

Part #: ANCA1101AU-03

Cellular (4G/5G) Smart Antenna		CEL-FI ROAM R41 Signal Repeater	
	+		
Variable gain smart antenna with automatic switching between low (3 dBi) and high (6.5 dBi) gain modes.		Coverage extension device that amplifies signal received from external antenna.	