GETTING TO KNOW YOUR TELSTRA OUTDOOR GATEWAY

TELSTRA
MOBILE
NETWORK
POWERED BY NEXT G®

IT'S HOW
WE CONNECT

LET'S GET THIS SHOW ON THE ROAD

You must be excited to get started with your Telstra Outdoor Gateway. If all goes to plan, you'll be up and running in no time.

This guide will help you get started as quickly and easily as possible. It'll help you get connected and show you all kinds of ways to get the most from your Telstra Outdoor Gateway. You'll be able to get your remote home or office connected wirelessly to the internet in no time.

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BEFORE YOU GET STARTED

Your Telstra Outdoor Gateway is designed to be mounted on the outside of your premises. The installation may require the use of a power tool, a ladder and relevant hardware tools for a successful installation. It's recommended to have professional installation for this device. If you do not have experience with this type of hardware installation we recommend that you contact your local Telstra dealer for advice or hire your own handy man to help you mount the device on your property.

You should also ensure that you have your Telstra Outdoor Gateway functioning correctly and have located the optimal position before mounting outside.

SOME THINGS YOU MIGHT NEED

To make sure the installation of your Telstra Outdoor Gateway goes smoothly there are some items you should make sure you have nearby.

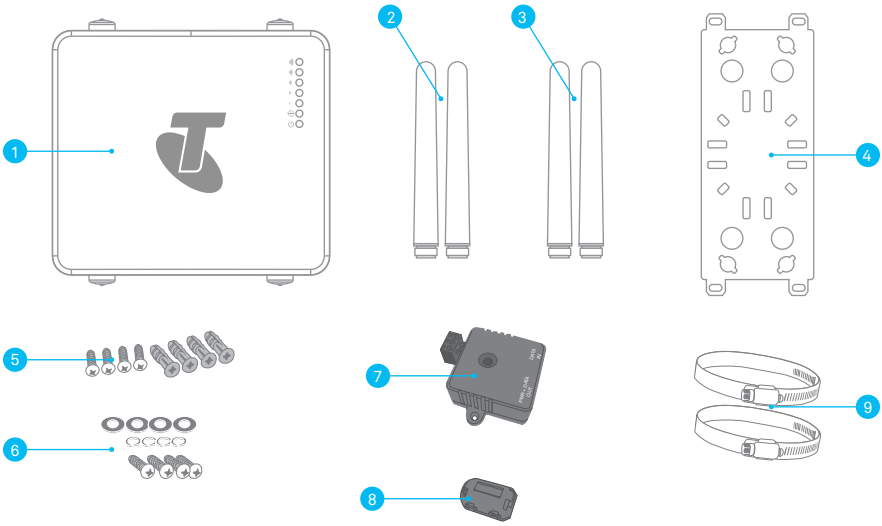
FOR MOUNTING YOUR TELSTRA OUTDOOR GATEWAY

- Flathead Screwdriver
- Drill and 6mm drill bit

FOR CONNECTING YOUR INDOOR ACCESS POINT

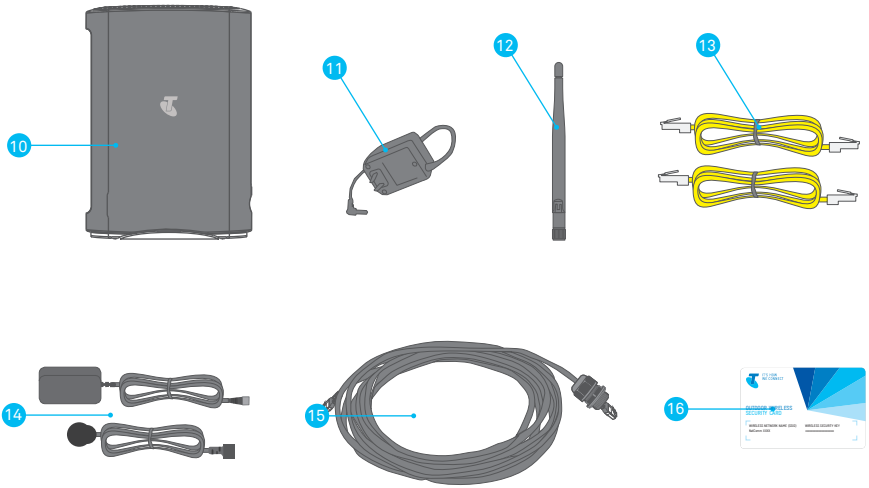
- Two vacant power points near each other

LET'S MAKE SURE YOU HAVE EVERYTHING



Before you get started, let's make sure all the parts are in the box

Item	Description	QTY
1	Telstra Outdoor Gateway	1
2	Wi-Fi Antennas (Type N)	2
3	3G Antennas (Type N)	2
4	Mounting bracket	1
5	Set of wall mounting screws (Diameter = 6mm, Length = 25mm)	4
6	Set of Mounting screws (Diameter = 6mm, length = 14.85mm)	4
7	Power over Ethernet Injector (STB-48V)	1
8	Ferrite Core	1
9	Hose clamps for pole mounting (1" to 3")	2



Item	Description	QTY
10	Indoor Wi-Fi Access Point	1
11	Indoor Wi-Fi Access Point Power Supply	1
12	Wi-Fi Antenna	1
13	1.5m Cat 5e Ethernet cable	2
14	AC/DC Converter (ADP-48) with Power Cord	1
15	10m outdoor rated Cat 5e Ethernet cable with IP67 Water-proof Plug Cable Gland	1
16	Wireless Security Card	1

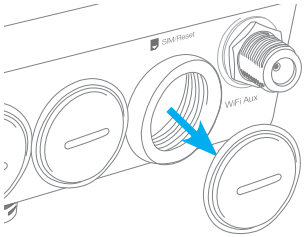
LET'S GET STARTED

1. SIM CARD INSTALLATION

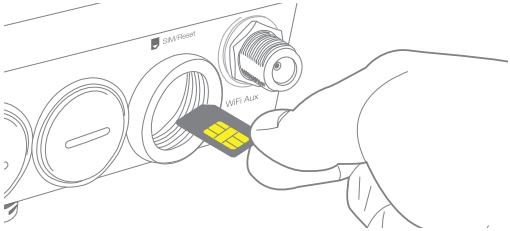
• Remove the protective cap labelled SIM/Reset with a flathead screwdriver.

Handy Hint

If you don't have a flathead screwdriver or you're having problems, a 10 cent coin will do the trick.

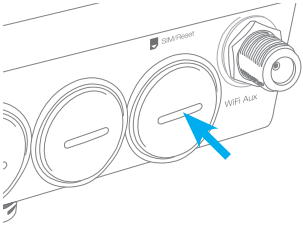


• Place an activated SIM card into SIM card reader with the metallic part of the SIM card facing up.



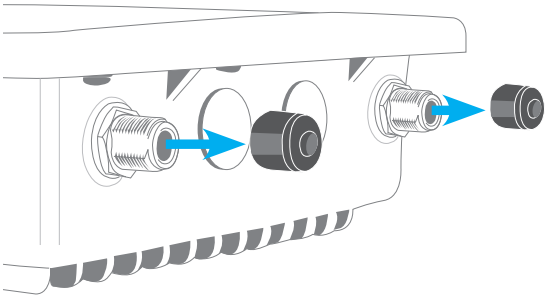
• Push the SIM card in until the spring latches the SIM card in place. You should hear a click. If you need to remove the SIM card push inward again and the SIM will pop out.

• Place the protective cap back on securely to ensure it is protected from water and dust (ensure IP-67 rating).

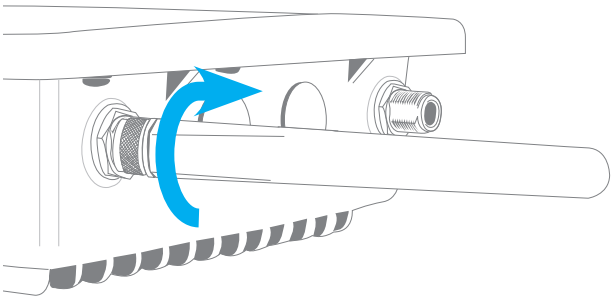


2. INSTALLING THE ANTENNA

- Remove the black protective caps from the Wi-Fi and 3G connectors.



- Each of the antennas are labelled 3G and Wi-Fi for easy installation. Connect the corresponding antenna to the antenna connectors by holding onto the metal part of the antenna and rotating it clockwise.

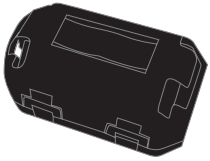


Important Note

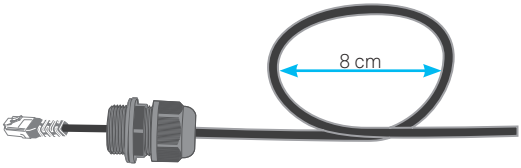
There will be a small gap when you tighten the antenna, when you meet sufficient resistance the antenna is connected. Take care not to overtighten the antenna or use the plastic part of the antenna to tighten as this could damage the antenna.

3. POWER UP YOUR TELSTRA OUTDOOR GATEWAY

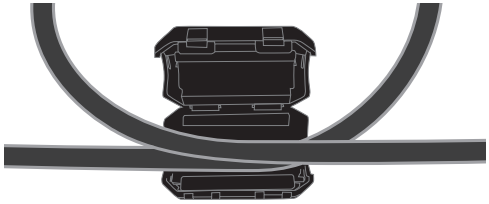
• Before connecting the black outdoor Ethernet cable you must first connect the Ferrite Core.



• Locate the end of the black Ethernet cable with the cable gland and make a loop in the cable, approximately 8 cm in diameter.



• Open the Ferrite Core and place the part of the cable that overlaps into the centre.

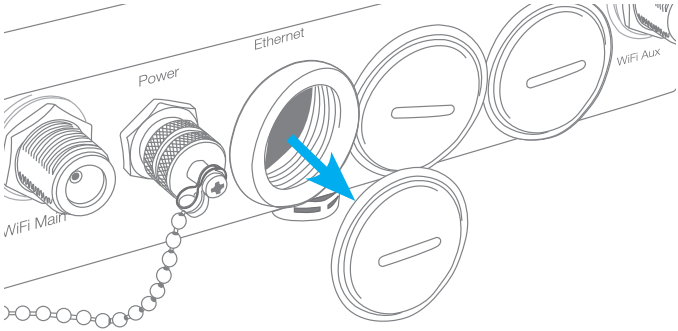


• Close the Ferrite Core and ensure that the clips click together to hold the Ferrite Core closed.

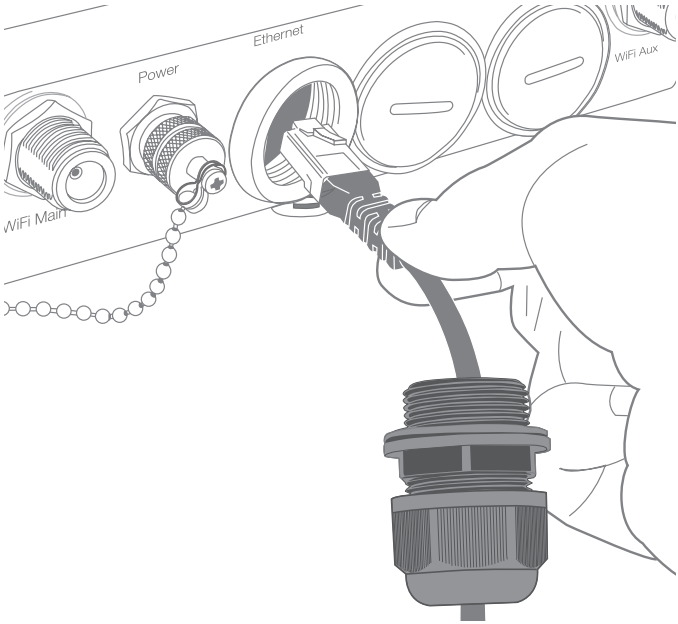
Important Note

Do not bend or fold the black outdoor Ethernet cable beyond its comfortable limits as this can damage the cable internally.

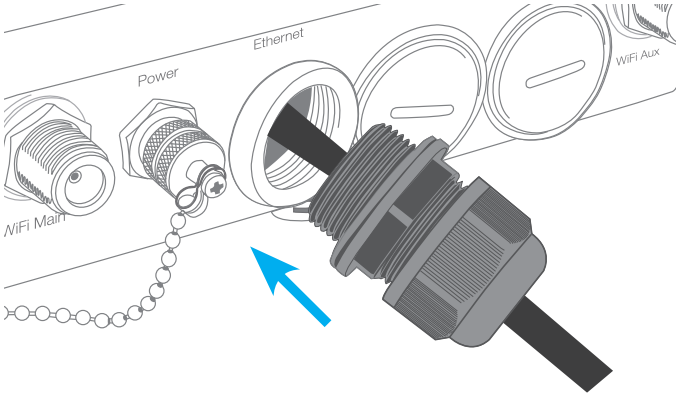
• Remove the protective cap labelled Ethernet with a flathead screwdriver or 10 cent coin.



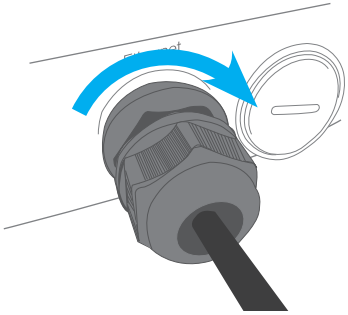
• Connect the supplied 10m black Ethernet cable to the Telstra Outdoor Gateway Ethernet port. The end with the black cable gland is the end for use with the Outdoor Gateway.



• Slide the cable gland towards the Ethernet port. You may need to loosen the bottom part of the cable gland so you can move it.



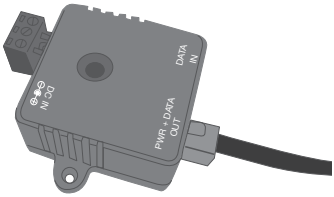
• Tighten the water-proof Ethernet plug to ensure the seal is adequate.



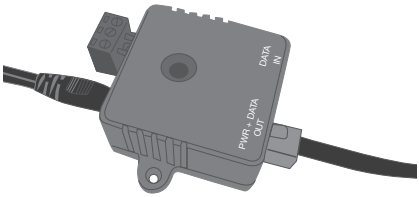
Important Note

If you loosened the bottom part of the cable gland you must retighten to ensure your Outdoor Gateway is waterpoof. Use a shifter or spanner to ensure the water-proof Ethernet plug is sufficiently secure.

• Connect the other end of the cable to the PWR + DATA OUT Port on the Power over Ethernet adaptor.

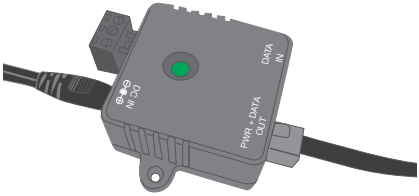


• Connect the power adaptor to the DC IN Power port on the Power over Ethernet Adaptor.



• Connect the power cable to the power adaptor and plug the end of the power cord to a power outlet.

• The Green LED on the Power over Ethernet Adaptor should now be on.

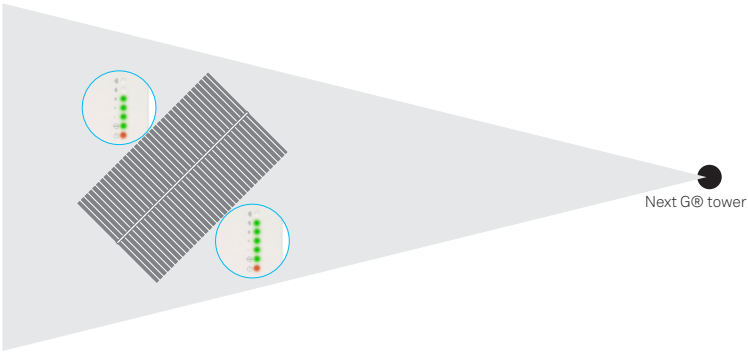


• At this stage the LEDs on the front of your Telstra Outdoor Gateway will be flashing. After 30 seconds the Power LED on your Telstra Outdoor Gateway should also light up.

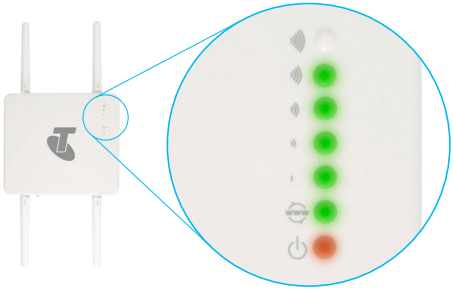
• If you're receiving a Next G® signal and are connecting to the network the Internet icon and signal strength LEDs will also light up.

PICKING THE BEST SPOT FOR INSTALLATION

- At this point your Telstra Outdoor Gateway is ready to be installed on the outside of your property, however before doing so, you will need to find the best location.
- To get the strongest signal your Outdoor Gateway should ideally be placed towards your nearest Next G® tower.



- If you're unsure where your nearest Next G® tower is, you can simply unplug and reconnect your Telstra Outdoor Gateway at different spots on your property to see where you get the strongest signal.



- Find the area of your property where the most indicators light up, this is where you have the best signal strength and should install your Telstra Outdoor Gateway.

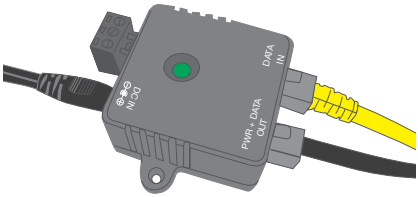
1. INSTALLING YOUR GATEWAY OUTSIDE

- Your Telstra Outdoor Gateway can be mounted directly onto a wall or pole. For wall mounting instructions see page 22, for pole mounting instructions see page 24.

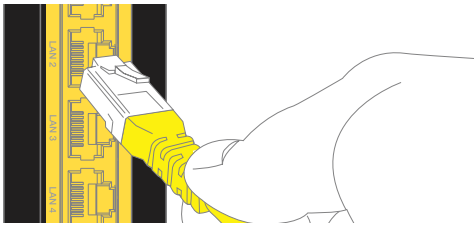
INSTALLING YOUR INDOOR ACCESS POINT

Your Indoor Access Point gives you access to 4 Ethernet ports for any non Wi-Fi devices you might have and also gives you a powerful dual-band Wi-Fi network inside your premises, in addition to the Wi-Fi from your Outdoor Gateway. Simply follow these steps to get up and running.

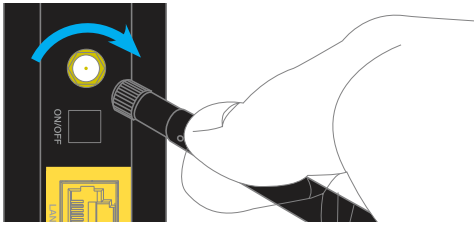
- Connect the supplied yellow Ethernet cable to the DATA IN Port on the Power over Ethernet adaptor.



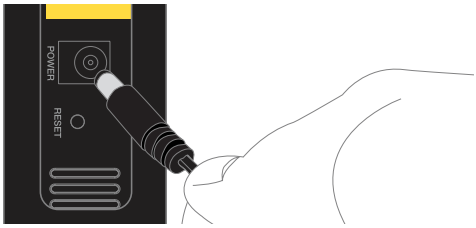
- Connect the other end of the cable to any of the LAN ports on the Indoor Access Point.



- Connect the antenna and rotate clockwise until secure, position the antenna so it is pointing upwards.

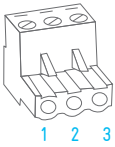


• Connect the power adaptor to the power port on the Indoor access point.



1. CAPTIVE POWER TERMINAL BLOCK (OPTIONAL USE)

The following table displays the pin outs for the Locking Power Block on the PoE Injector. This is an optional fit if separate PoE power is available as part of an external system and the supplied Power adaptor is not used. Strip power cable back 10mm and insert 48V to Pin 1 and Gnd to pin 2. Tighten screws to secure cable. Leave pin 3 unconnected.



PIN	SIGNAL	DESCRIPTION
1	V+	+48V
2	GND	Ground
3	V-	Do not connect

• Connect the other end of the power cord to a power outlet.

• The power LED should now be lit on Indoor Access Point.

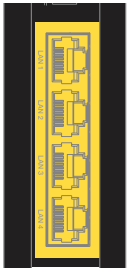
CONNECTING TO THE INTERNET

There are two ways you can connect to the Internet.

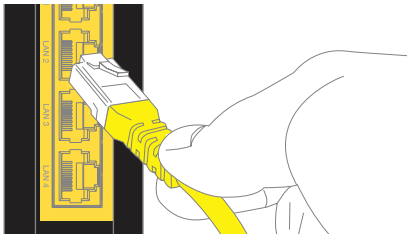
- Plug directly into the LAN/Ethernet port of the Indoor Access Point.
- Connect to the Internet wirelessly.

1. ETHERNET PORT

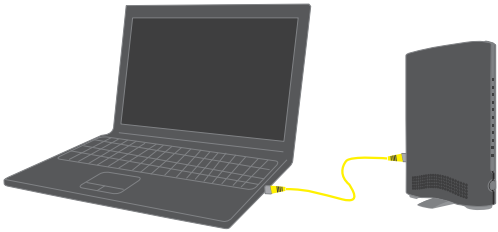
- Locate a free LAN Port on the back of the Indoor Access Point.



- Connect the supplied Ethernet cable to the Indoor Access Point.



- Connect the other end of the cable to your Computer.



- Wait approximately 30 seconds for the connection to be established.

2. CONNECTING WIRELESSLY

Telstra Outdoor Gateway

- Using your wireless device e.g. notebook, tablet or smart phone, scan for your Outdoor Wireless network as displayed on your wireless security card.
- Enter your password (or Wireless Security Key) displayed on your security card .
- Wait approximately 30 seconds for the connection to be established.

Indoor Access Point

- Using your wireless device e.g. notebook, tablet or smart phone, scan for your Indoor Wireless network(s) as displayed on your wireless security card.
- Your Telstra Indoor Access Point supports two Wi-Fi networks. Your wireless security card displays your two unique wireless network names (SSIDs), so you can choose which network you want each of your devices to be connected to. You can for example connect your notebooks, smart phones and tablets to your 2.4GHz network and your media devices to your 5GHz network. This means you can prioritise devices on each Wi-Fi network to ensure you get maximum data speed to each of your devices.

Handy Hint

If you are unsure which Wi-Fi network you should be using, connect to the network with the strongest signal.

- Enter your password(s) (or Wireless Security Key) displayed on your security card.
- Wait approximately 30 seconds for the connection to be established.

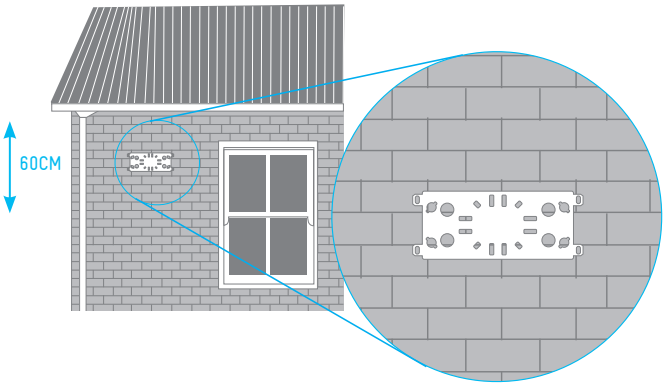
3. TESTING THE CONNECTING

- Open a web browser.
- Connect to http://www.telstra.com/

WALL MOUNTING YOUR TELSTRA OUTDOOR GATEWAY

Locate your mounting bracket, mounting bracket screws, wall mount screws, and grey wall plugs.

- Before you start, make sure all cables have been disconnected from your Telstra Outdoor Gateway and that your antennas have been attached and your SIM card is inserted.
- Align the mounting bracket horizontally to the desired position on the wall.
- Make sure you have at least 60 cm clear space around the centre of the mounting bracket

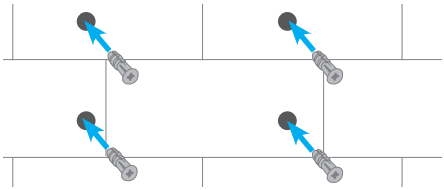


- Use a pencil or piece of chalk to mark the holes on the wall
- Remove the mounting bracket from the wall
- Using your drill and a 6 mm drill bit to drill the holes in the wall where you marked previously.

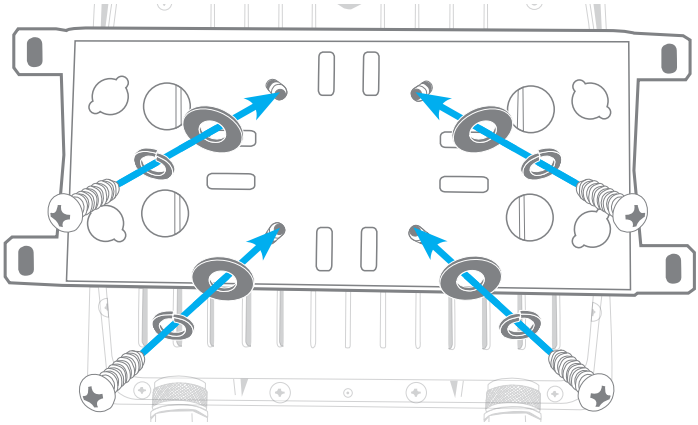
Important Note

Before drilling into your walls ensure you are not drilling into an area with electrical wiring, a circuit or wire tracer can help you find these. If you are unsure consult a professional installer.

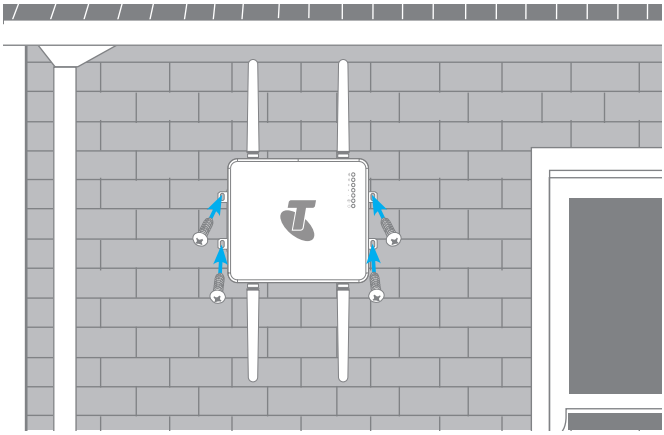
- Insert the 4 grey wall plugs into the wall.



• Mount the mounting bracket horizontally to the back of the Outdoor Gateway with the mounting bracket screws.



• Secure the mounting bracket to the wall by inserting the wall mount screws into the grey wall plugs

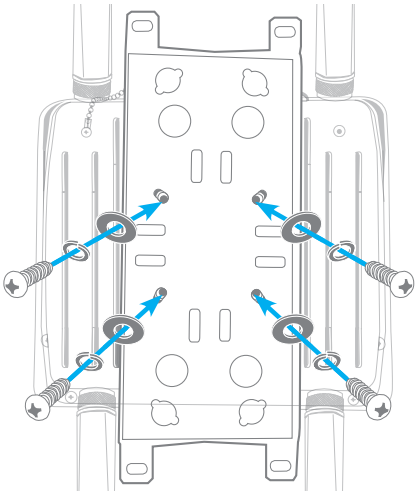


• You can now reconnect the cables to your Telstra Outdoor Gateway.

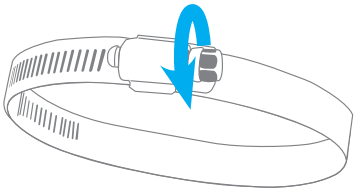
POLE MOUNTING YOUR TELSTRA OUTDOOR GATEWAY

Make sure you have your included mounting bracket, mounting bracket screws and metal straps.

- Before you start make sure all cables have been disconnected from your Telstra Outdoor Gateway and that your antenna have been attached and your SIM card is inserted.
- Mount the mounting bracket vertically to the back of the Outdoor Gateway with the mounting bracket screws.



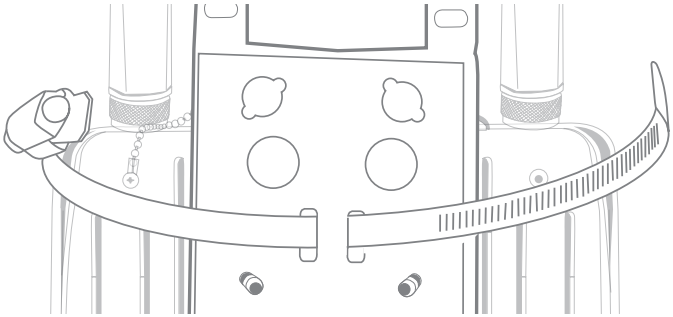
- Open the metal straps by turning the locking mechanism counter-clockwise.



Handy Hint

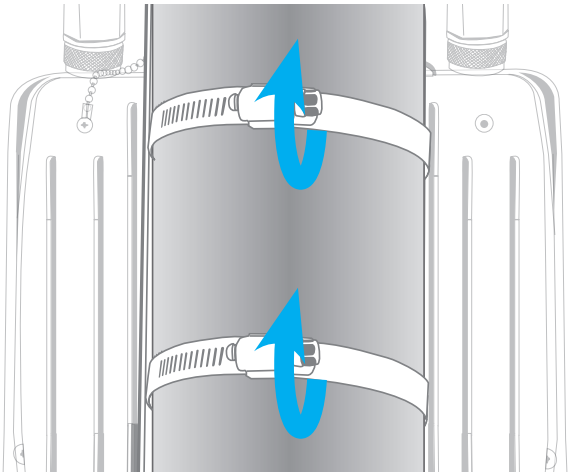
You can loosen it by hand or use a flathead screwdriver.

• Straighten out the end of the metal straps and slide them through the rectangular holes in the mounting bracket.



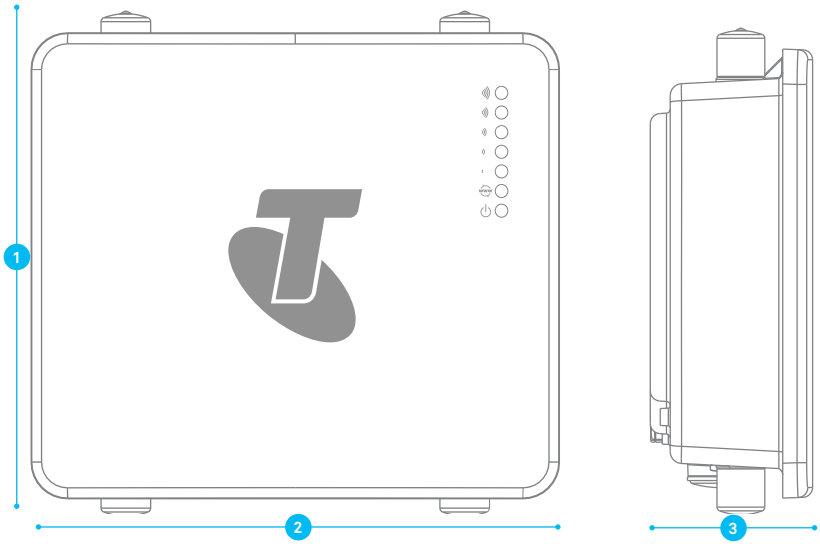
• Wrap the metal strap around the pole.

• Use a flathead screwdriver to tighten the locking mechanism by turning it clockwise.

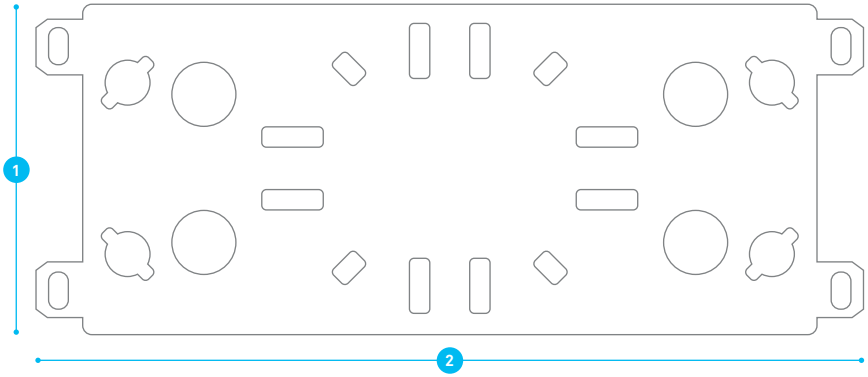


• You can now reconnect the cables to your Telstra Outdoor Gateway

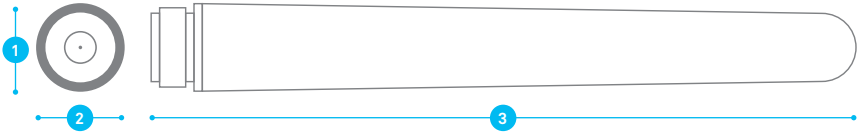
YOUR TELSTRA OUTDOOR GATEWAY



TELSTRA OUTDOOR GATEWAY (WITHOUT ANTENNAS ATTACHED)		
1	Height	240 mm
2	Length	255 mm
3	Depth	80 mm
	Weight	1750 g (w/o mounting bracket and antennas)



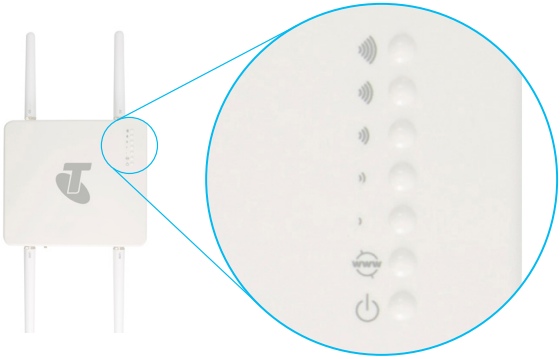
MOUNTING BRACKET		
1	Height	290 mm
2	Length	110 mm
	Depth	12 mm
	Weight	410 g



3G AND WI-FI ANTENNAS		
1	Height	20 mm
2	Depth	20 mm
3	Length	180 mm
	Weight	60 g

WHAT IT ALL MEANS

The Telstra Outdoor Gateway has 7 LEDs to display the current system and connection status.

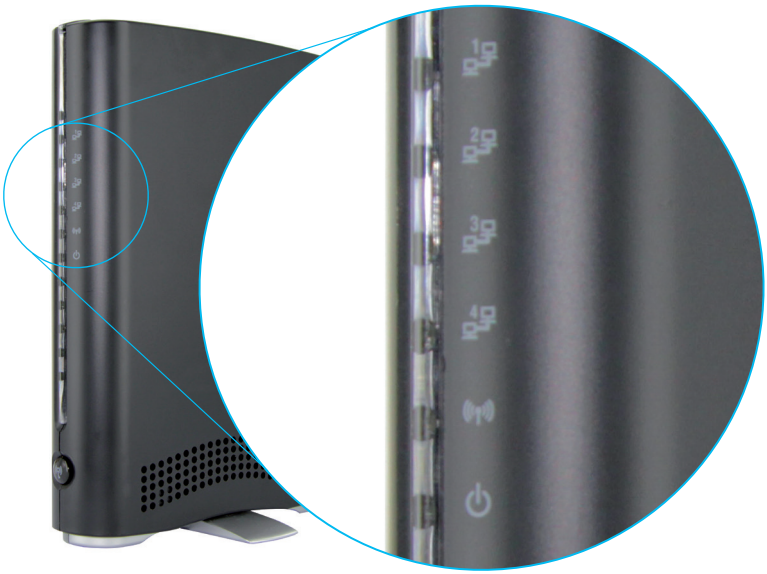


LED INDICATOR	ICON	COLOUR	DESCRIPTION
High Signal		Green	High 3G signal strength available (-47 dBm to -77 dBm)
Medium to High Signal		Green	Medium to High 3G signal strength available (-78 dBm to -85 dBm)
Medium Signal		Green	Medium 3G signal strength available (-86 dBm to -92 dBm)
Low to Medium Signal		Green	Low to Medium 3G signal strength available (-91 dBm to -101 dBm)
Low Signal		Green	Low 3G signal strength available (-102 dBm to -109 dBm)
Internet		Green	The Gateway is currently connected to the Internet
Power		Orange	The unit is powered on

The 5 signal LEDs also indicate if the device is MEP locked, SIM is not inserted, and if the SIM is PIN or PUK locked by flashing in certain patterns.

LED PATTERN	
SIM Not Inserted	All signal LEDs flash ON and OFF every 2 seconds
MEP Lock	The signal LEDs flash in a pattern with one, three and 5 LEDs flashing in a sequence.
PIN Lock	The signal LEDs flash in a sequential order starting with the Low signal LED to the High signal LED.
PUK Lock	The signal LEDs flash in a sequential order starting with the High signal LED to the Low signal LED.

• The Indoor access point gives you a powerful dual-band Wi-Fi network in your premises as well as 4 ethernet ports to connect your wired devices to high speed Broadband.



LED INDICATOR	ICON	COLOUR	DESCRIPTION
LAN 1-4		Blue On	Ethernet connected
		Blue Blinking	Data traffic being received/sent on Ethernet Port
		Blue Off	Nothing connected to Ethernet or link down
Wi-Fi		On	Wi-Fi Enabled
		Flashing	Data traffic being received/sent via Wi-Fi
		Off	Wi-Fi Disabled
Power		Blue Off	Powered Off
		Blue Flashing	Powering up
		Blue On	Powered On

FOR MORE INFORMATION:
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