



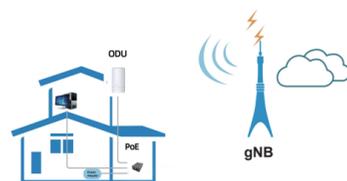
5G CPE ARR810

Quick Start Guide ▶

www.adituswireless.com

Introduction

ARR810 Auto-Alignment Outdoor Router supports various 4G/5G spectrums and ultra high speed and has built-in high-gain directional antennas to expand signal coverage. Also, it has rotated mechanism design to find best signal and keep device in the best position without manual adjustment. Up to IP65 with water-proof, shock-resistant, and lightning-proof, combined to ensure the quality of wireless communication under different outdoor environments.

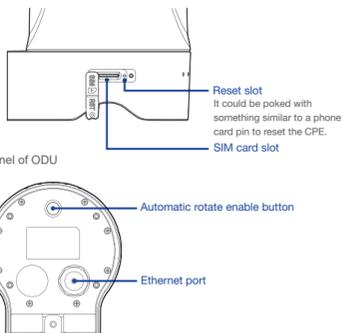


Panel of device

I/O panel of ODU



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Packing list

Make sure you have everything you need to properly configure the device.

ODU	PoE	Power supply	Ethernet cable
Stainless steel clamp	Cable glands	Hexagon torx handle screw	Fixed trestle

Tips: The diameter of the clamp should range from 80 to 110mm

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How does it work

1. Connect the Power Adapter to PoE injector.
2. PoE injector provides the power to ODU via LAN cable.
3. PC connects LAN Cable to PoE, then PC can surf the Internet when ODU accesses the LTE network.

This quick installation guide shows you how to configure your ODU in order to access the Internet.

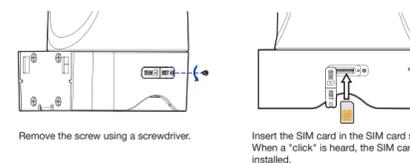
Configure hardware

CAUTION Please make sure that you are familiar with all accident prevention and safety procedures necessary for working at height and with electricity before starting to install the device. DO NOT install the ODU during a lightning storm.

Insert a SIM card to the slot

CAUTION Make sure the ODU is turned off before you insert your SIM card. It is recommended to Not to connect the PoE cable when you do this step. Otherwise, the SIM card may be damaged.

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Remove the screw using a screwdriver.

Insert the SIM card in the SIM card slot. When a "click" is heard, the SIM card is installed.

Mount the ODU

To connect the high speed Ethernet cable:

See the installation instructions to mount the ODU correctly.

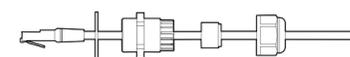
Step 1 High speed cable to thread through the cable glands.

Step 2 Connect the end of the high speed Ethernet cable to the PoE port of the ODU.

Step 3 Wiring the cable glands into ODU and seal tightly.

NOTE: Make sure you have inserted the SIM card into the ODU.

Header connection



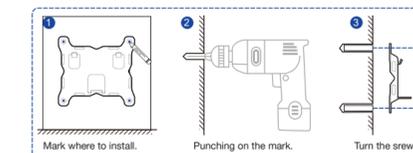
In order to waterproof, separate the plugs and then separate through the cable in the sequence shown in the figure.

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Mounting bracket

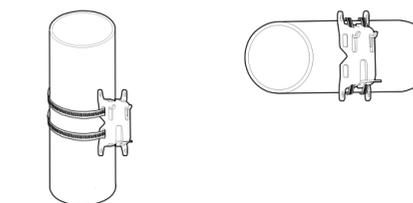
These are 3 ways to install the brackets as below figures.

On the wall, install the bracket on the wall where the hole has been punched;



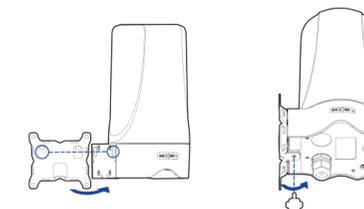
On the montant, pass the hoop through the bracket and install it on the montant;

On the cross-bar, pass the hoop through the bracket and install it on cross-bar.



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After the bracket installation, please install the ODU to the bracket as the below picture.



Choose location

There are three ways to get the best point:

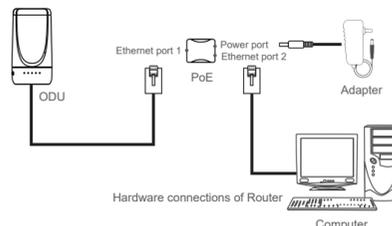
1. Operator confirm the direction of base station near the delivery address, and then operator print the label and attach it to the box before delivery.
2. Customer calls the operator to get the location of nearby base station.
3. If there is an after-sales website, customer could log in to find the recommended installation directions.

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Connect the PoE

Place a high speed Ethernet cable (not included) from the location of your intended Router to the desired PC location.

If you intend to use cable clamps or other methods to secure the cable, do not tighten them until you finish installing the Router and ODU.



Step 1 Connect the one-port of the PoE to the Ethernet port 1 of the device with Ethernet cable;

Step 2 At the other end of the PoE (which has a circular power port and a Ethernet port 2), the Ethernet port 2 is connected to the Ethernet port of the PC with a Ethernet cable, and the power port is connected to the power adapter.

CAUTION If the port is incorrectly connected, the network port on the PC will be burned out.

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The function auto alignment is off by default. There are several ways to switch on the function:

1. Press the circle button 5 seconds by annual at bottom of the device when the device is power on;

Note: Pressing the bottom button during automatic alignment, it will not work.

2. Log in the web or app and click the function button in the menu: Advanced Settings-Network-Rotate ODU;

3. When the function is on, the device is powered on every time, the device will be turned to align itself.

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LED behavior

When setting up the Outdoor Unit, the LED will have the following behavior:

ODU		
PWR	Green	Power on
	Off	Power off
NET	Green	4G enable without voice
	Blue	5G enable without voice
	Green&Blue	ENDC enable without voice
	Green flashes per 0.5s	Searching the network
	Always Green	Network enable with voice
SIM	Always Blue	Voice enable
	Green	SIM enable
	Off	SIM unable
SIG	Green	Cell signal strength, strong signal/middle signal/weak signal
	Red	Rotate unable
Mode	Green	Rotate enable
	Red	Rotate unable
	Green flashes per 0.5s	Start search
Off		Switch off

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Configure the CPE

Login to the website

Use a browser to access the management web page to configure and manage the CPE. The following procedure describes how to use a computer running Windows 7 or above version and Internet Explorer to connect to the CPE webpage.

Step 1 Connect to the CPE correctly.

Step 2 Start Internet Explorer, type http://192.168.225.1 in the address bar, and press Enter.

Step 3 Enter the user name and password, and click Log In. (The user name and password are shown on the body tag at the bottom of the ODU.)

You can connect to the management web page after the password is verified.

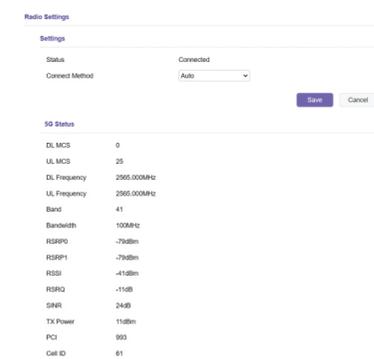
Configuration of 5G

Step 1 Connect to the CPE correctly.

Step 2 Login the CPE.

Step 3 Choose Advanced Settings->Network->Radio Settings.

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The default setting is automatic connection and full band scanning, if you want to connect to the 5G/LTE network according to your needs, you can set the connection mode as manual, and simply scan a specific band.

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FAQs

The power indicator does not turn on.

- Make sure that the power cable is connected to the PoE, and the CPE is connected to the right port of the PoE.
- Make sure that the power adapter and PoE are compatible with the CPE.

Fails to log in to the web management page.

- Make sure that the CPE is powered on.
 - Verify that the CPE is correctly connected to the computer through a network cable.
- If the problem persists, contact authorized local service suppliers.

The CPE fails to search for the 5G/LTE network.

- Check that the power adapter and PoE have connected to the CPE properly.
- Check that the CPE is placed in an open area that is far away from obstructions, such as concrete or wooden walls.
- Check that the CPE is placed far away from household electrical appliances that generate strong electromagnetic field, such as microwave ovens, refrigerators, and satellite dishes.

- If the problem persists, contact your Internet Service Provider.

The CPE power adapter has overheated

- The CPE is hot after being used for long time. Turn off the CPE when not in use.
- Check that the CPE is properly ventilated and protected from direct sunlight.

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The CPE could not automatic align itself.

- Make sure the CPE is powered on; Check if the light "MODE" is green, try to click "Start Search" in network or press the button at bottom of the device. Check if the light "MODE" is red, the function may be damaged, try to restart the device or restore the device to check if the device is normal.

The parameters are restored to default values.

- If the CPE powers off unexpectedly while being configured, the parameters may be restored to the default settings.
- After configuring the parameters, download the configuration file to quickly restore the CPE to the desired settings.

Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and may not be activated or may be limited by local network operators or network service providers, thus the descriptions herein may not exactly match the product or its accessories you purchase.

We reserve the right to change or modify any information or specifications contained in this manual without prior notice or obligation.

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