


NR7701
5G NR Outdoor Router




Quick Start Guide
English


Package Contents




NR7701




Long and Short Ethernet Cables




Quick Start Guide




SIM cover



Gigabit PoE Injector




Waterproof Plug




Declaration of Conformity
Safety Warnings


Mounting Kit




x4 Dowels




x4 Tapping Screws
M4x32mm




x1 Tapping Screw
M3




x4 Round Head Screws
M4




x2 Hose Clamps



x1 Device bracket



x1 Wall bracket



x2 Stickers
3M

Support Information

<https://www.zyxel.com/service-provider/global/en/tech-support>

Safety notice and EU Declaration of Conformity:

Manufacturer:
Zyxel Communications Corporation
No.2 Industry East RD. IX, Hsinchu Science Park,
East District 30076, Taiwan

EU Importer
Zyxel Communications A/S
Gldsaxevej 378, 2. th. 2860 Søborg, Denmark.

Go to <https://www.zyxel.com/service-provider/global/en/download-enquiry> to request a User's Guide for configuration assistance and related safety warnings

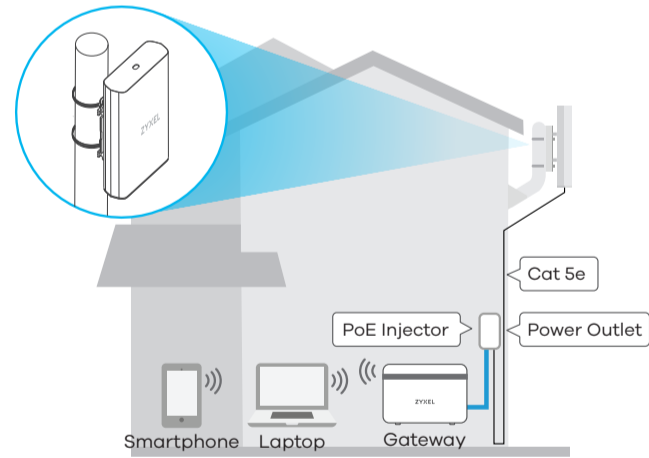


UK Importer
Zyxel Communications UK Ltd.
2 Old Row Court, Rose Street, Wokingham,
RG40 1XZ, United Kingdom (UK)

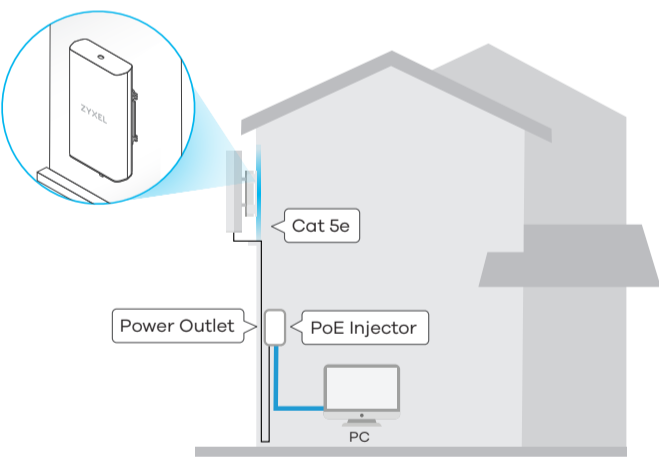
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Location examples

Pole Mounting | Stangenmontage

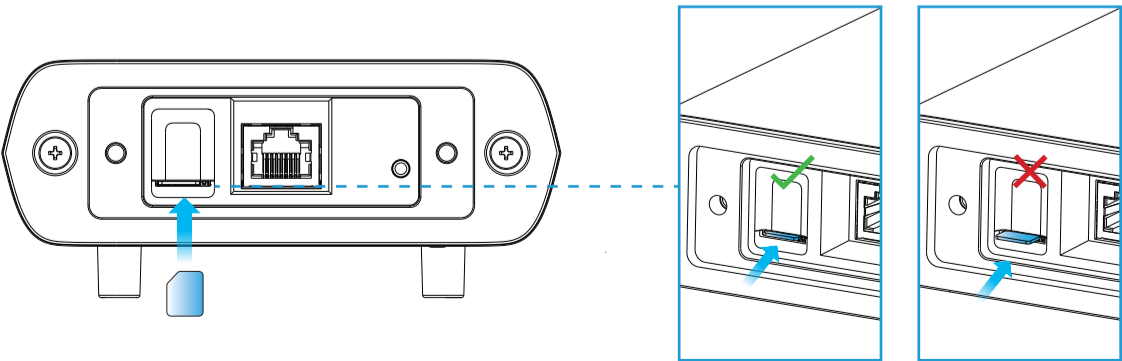


Wall/Glass Mounting | Wand-/Glasmontage



EN Place the NR7701 in an open area free of obstacles, and adjust the angle to point the front panel towards the base station to have the strongest possible 5G NR signal.

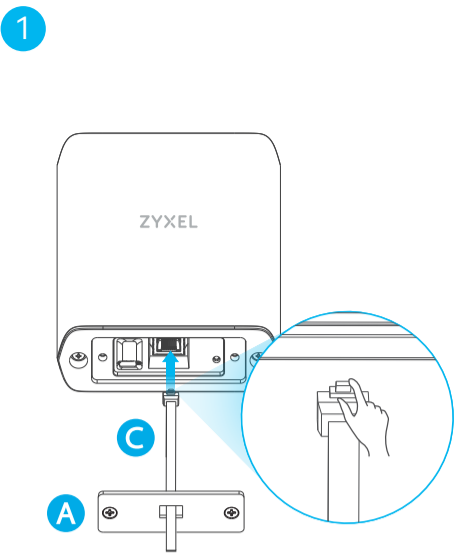
STEP 1 SIM card installation



EN Make sure there is no Ethernet cable connected, providing power using PoE. Insert your Nano/4FF SIM card provided by 5G NR ISP (internet service provider) into the SIM card slot. Make sure the SIM card is fully inserted into the slot.

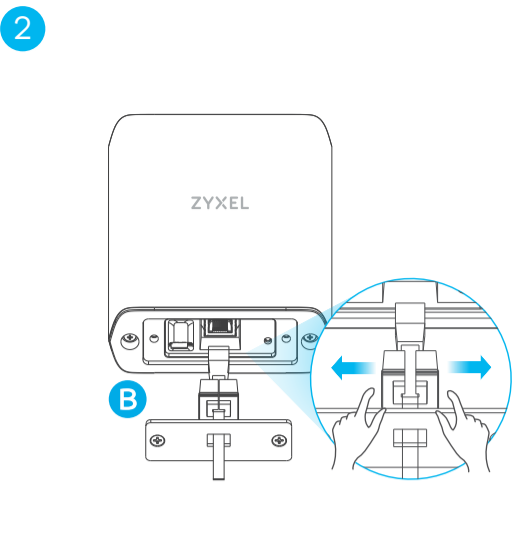
STEP 2 Ethernet Cable Connection

1



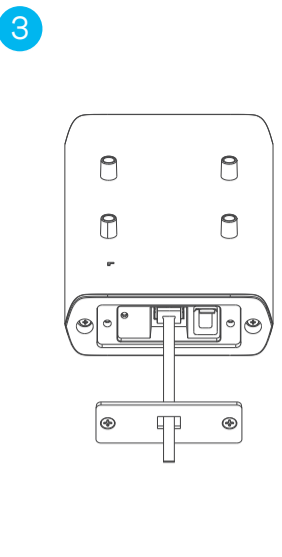
EN Press down the tab of the Ethernet cable **C** and pass it through the SIM cover **A**.

2



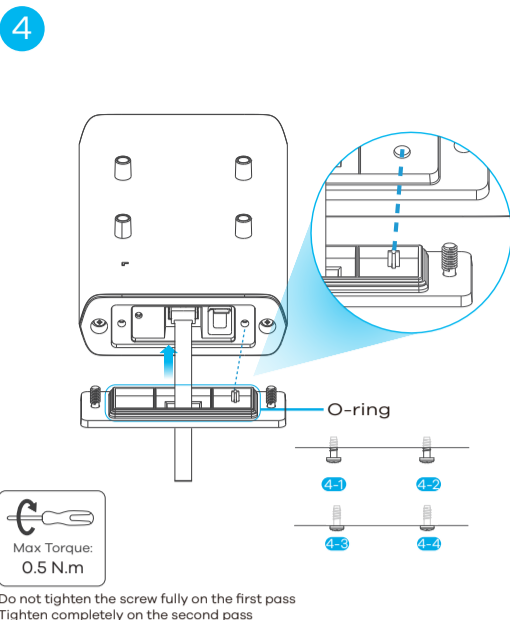
Turn the NR7701 upside down so the mounting side is facing up. Open and attach the waterproof Plug **B** to **C** with the open side facing up.

3



Insert **C** into the LAN (PoE) port of the NR7701 and then secure the waterproof plug **B** into place.

4



Finally, screw **A** tightly into the NR7701 with the "+" mark on **A** aligning with the "O" mark on the NR7701.

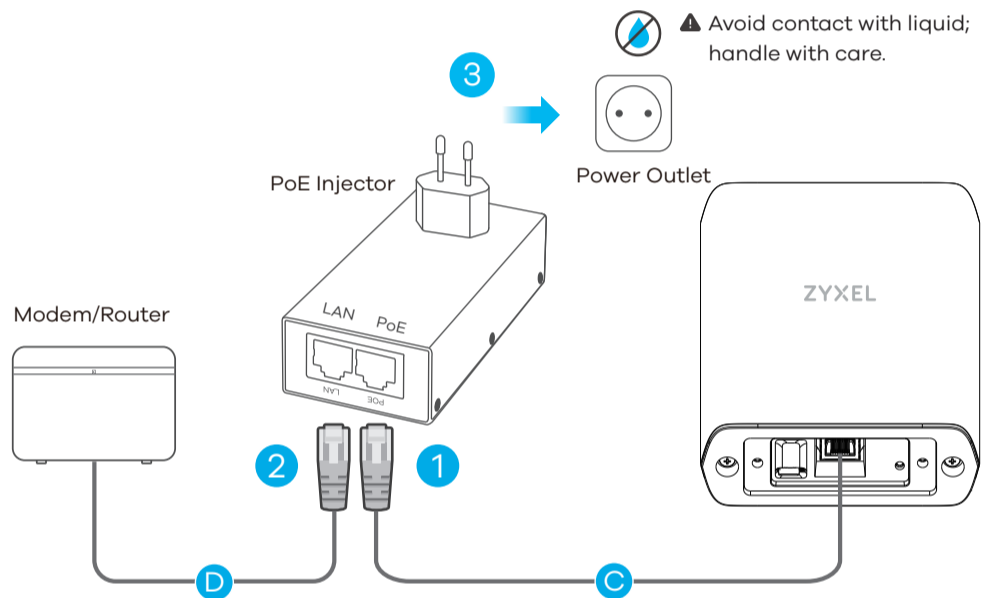
Do not tighten the screw fully on the first pass
Tighten completely on the second pass

Max Torque: 0.5 N.m

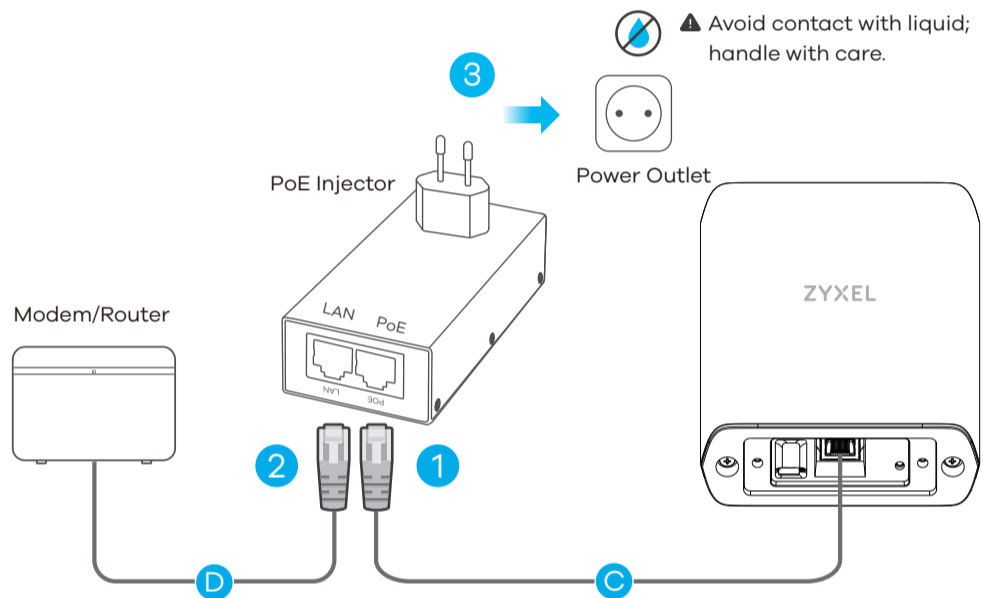
O-ring

4-1 4-2 4-3 4-4

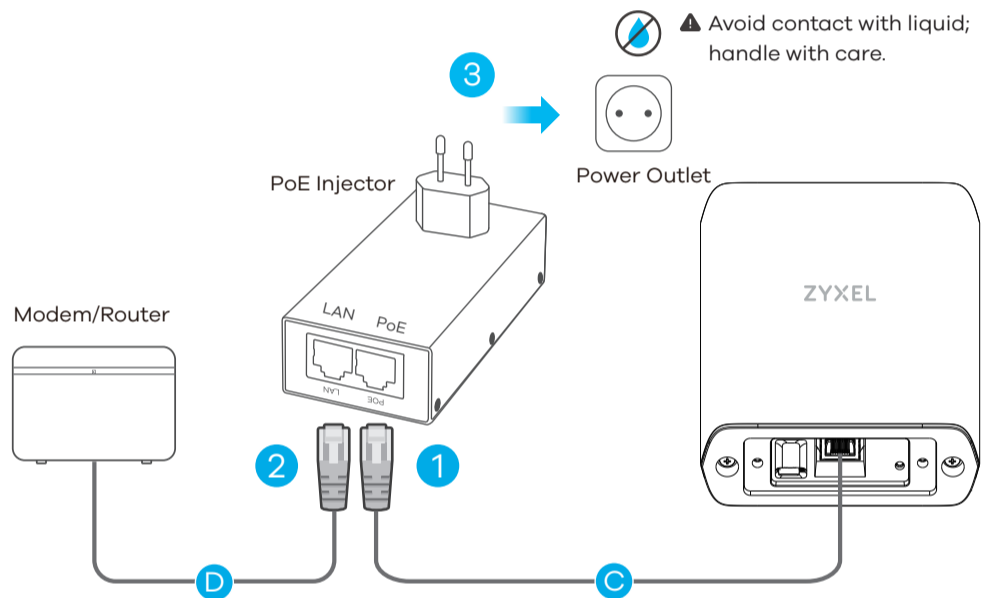
STEP 3 PoE Cable Connection



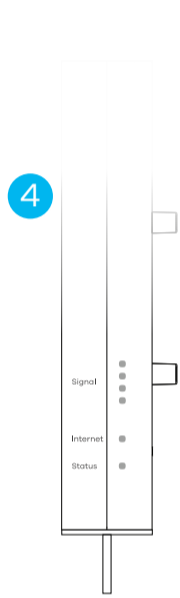
EN 1 Connect the other end of Ethernet cable **C** to the provided PoE injector's PoE port.



2 Use the short Ethernet cable **D** to connect the injector's LAN port to a router/gateway for initial configuration.



3 Connect the PoE injector to a power outlet.



4 Check the LEDs on the side panel.

Modem/Router

PoE Injector

Power Outlet

ZYXEL

Signal

Internet

Status

LAN PoE

1 2 3 4

Avoid contact with liquid; handle with care.


Meaning of LEDs

Signal, Internet and Status LEDs Indicator Table

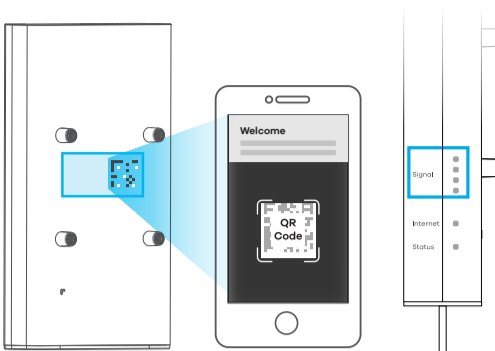
Signal	Green	Four LEDs - Excellent signal. Three LEDs - Good signal. Two LEDs - Fair signal. One LED - Weak signal.
	Off	Not connected to the Internet.
Internet	Green	On - 5G/NR connection.
	Amber	On - 4G/LTE connection.
	Off	Not connected to the Internet.
Status	Green	On - Connected to the Internet with Wi-Fi off. Fast Blinking - Trying to connect to the Internet with Wi-Fi off. Slow Blinking - Booting.
	Amber	On - Connected to the Internet with Wi-Fi on. Fast Blinking - Trying to connect to the Internet with Wi-Fi on.
	Red	On - System error. Supoer Fast Blinking - Azimuth calibration 70% to 100% complete. Fast Blinking - Azimuth calibration 30% to 70% complete. Slow Blinking - Azimuth calibration less than 30% complete.
	Off	Power is off
	All	Looping - Upgrading Firmware.

STEP 4 Initial Setup with the Zyxel app and Wi-Fi

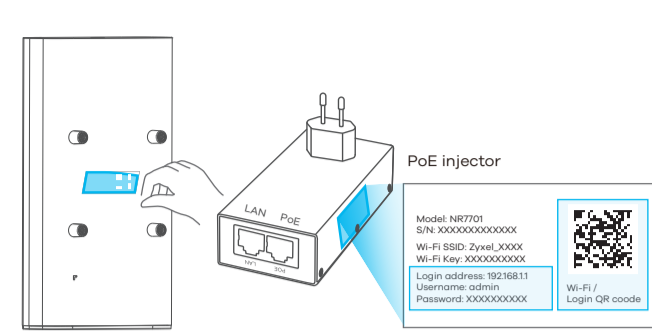
1



2-a



2-b



EN


Scan the QR code to download the Zyxel-App on your mobile.


Note: Wi-Fi is for local management only. If Wi-Fi is off automatically, restart NR7701 to enable Wi-Fi.

Scan the Wi-Fi QR code on the device label and follow the prompts to connect to the Wi-Fi on your mobile. If you can't connect to the NR7701 Wi-Fi, check the signal LED to see if Wi-Fi is on (see the LED table). If not, reboot the NR7701 to enable Wi-Fi.

Remove the label from the back of the NR7701 and stick it on the PoE injector. Scan the login QR code to log in to the Zyxel app for the first time with the default username and password. Alternatively, you can manage the NR7701 via the Web configurator.

STEP 5 Find the optimal signal with the Signal LED



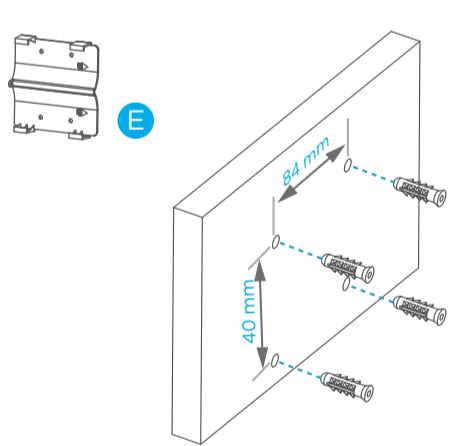


EN

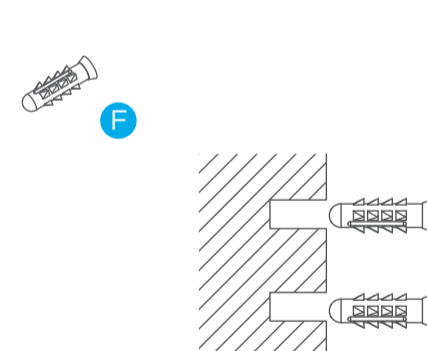
Before mounting your NR7701, find the location that receives the best signal.

Option 1 Wall Mounting

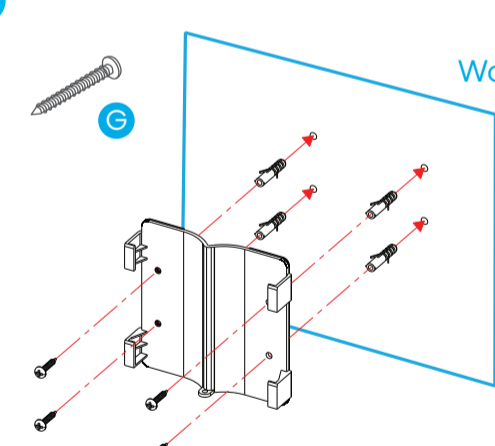
1



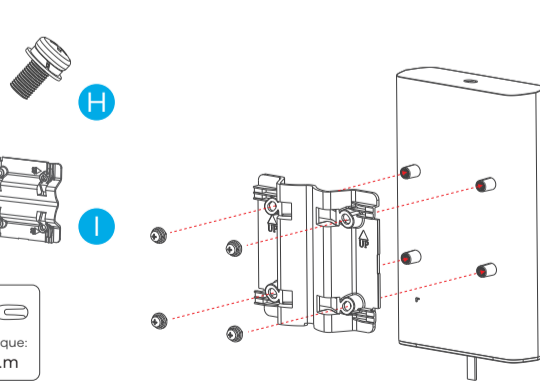
2



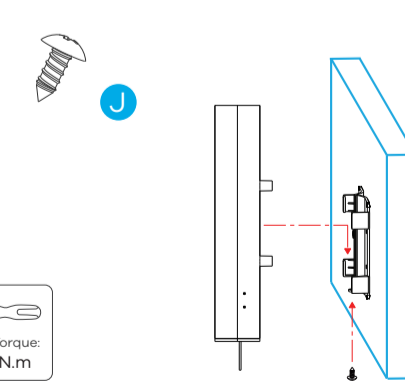
3



4



5



EN

① Using the wall bracket E, mark four points on the wall and drill the appropriate holes.

② Insert the four dowels F into the drilled holes.

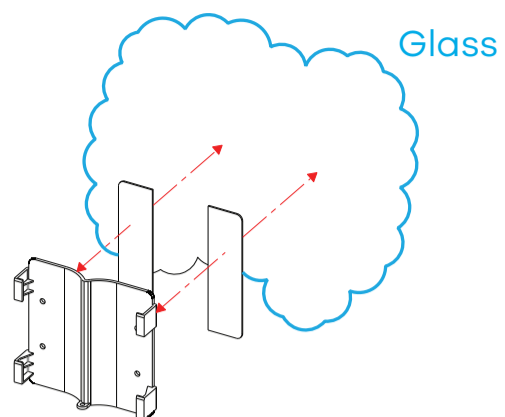
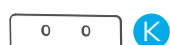
③ Use the M4 tapping screws G to secure the wall bracket E to the wall.

④ Use the M4 round head screws H, springs, and plain washers to attach the device bracket I to the back of the NR7701.

⑤ Place the NR7701 so the device bracket lines up with the wall bracket and slide down gently. Use the M3 tapping screw J to secure the device bracket to the wall bracket through the bottom hole.

Option 2 Glass Mounting

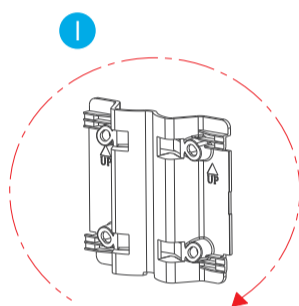
1



- EN** ① Remove the adhesive backing protection and attach the 3M stickers **K** to the back of the wall bracket. Remove the backing from the self-adhesive front and stick the wall bracket onto the glass.
*Note: Make sure the glass surface is clean and dry before putting on the 3M stickers.
Wait for 72 hours so that the sticker is securely glued to the window.*
- ② Now follow instructions **4** and **5** from the wall mounting description to securely attach the NR7701 to the wall bracket.

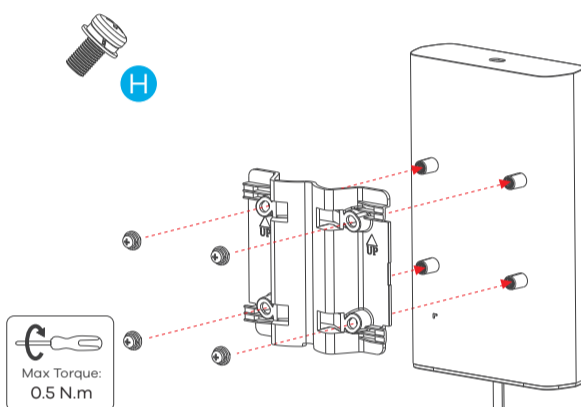
Option 3 Pole Mounting


1



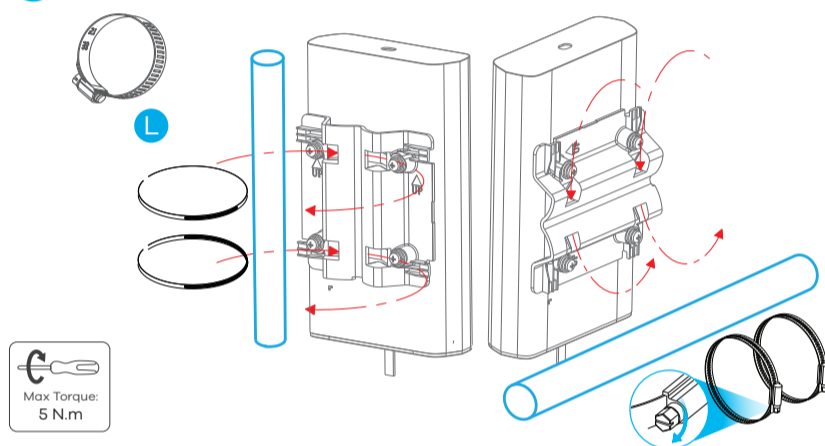
- EN** Select the mounting direction based on the pole type (horizontal or vertical).

2



- Use the four M4 round head screws with spring & plain washers  to attach the device bracket to the back of the NR7701.

3



- Insert the hose clamps into the holes on the device bracket.
Use a screwdriver to tighten the hose clamps and secure the device bracket to the pole.

Configuring by the web configurator

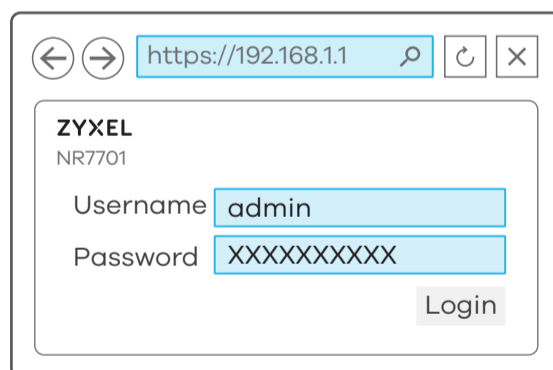


<https://192.168.1.1>



User Name: admin

Login Password: XXXXXXXXXXXX



- EN** Open a web browser and go to <https://192.168.1.1>. Enter the default user name (admin) and password (see label), and then click Login.
- Note:** After configuring the NR7701, turn its Wi-Fi off.