

Nile Global Inc.

Indoor Wireless AP

NWA1100

Product Specification

Product dimensions	270mm x 270mm x 60.2mm (exclude universal mounting kit)
Product weights	1.75kg
Radio frequency	One Wi-Fi 2.4GHz One Wi-Fi 5GHz One Wi-Fi 6GHz One Wi-Fi 2.4/5/6GHz(scanning) One Bluetooth 2.4GHz
Operation frequency 2.4GHz 5GHz 6G Bluetooth low energy(V4.1)	2412 ~ 2462MHz 5180 ~ 5850MHz 5925 ~ 7125MHz 2402 ~ 2480MHz
Networking interface	1x5G mGig Ethernet port
Antenna peak Gain	Wi-Fi 6GHz band: 7.5 dBi Dual band Wi-Fi(2.4GHz): 7.7dBi Dual band Wi-Fi(5GHz): 7.6dBi BLE: 5.9dBi
Max power consumption	45watts
Max Tx Power	Wi-Fi 2.4GHz band: 21dBm(per chain) Wi-Fi 5GHz band: 19dBm(per chain) Wi-Fi 6GHz band: 8dBm(per chain) BLE: 5dBm
MTBF	356,126 hours
Power source	Power over Ethernet(PoE): 802.3bt
Mounting mode	Wall / Ceiling
Operation temperature	0~+45° C
Operation humidity	5 – 90% Noncondensing
Altitude	10,000ft (3,048m)

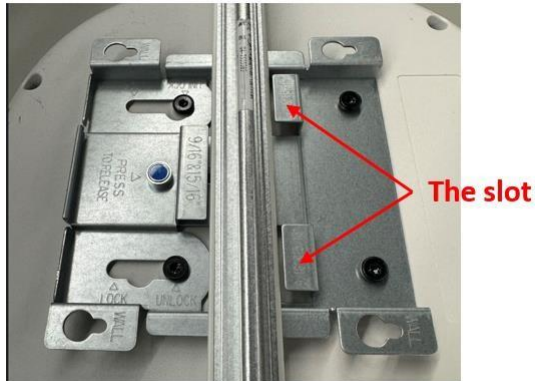
Note: The device only supports MIMO operation.

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Installation Guide

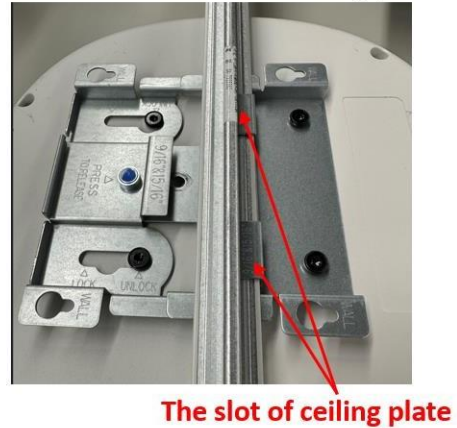
Installation of ceiling plate + AP on T-bar (9/16" & 15/16") → Please update accordingly

Step1. Align T-bar with ceiling plate

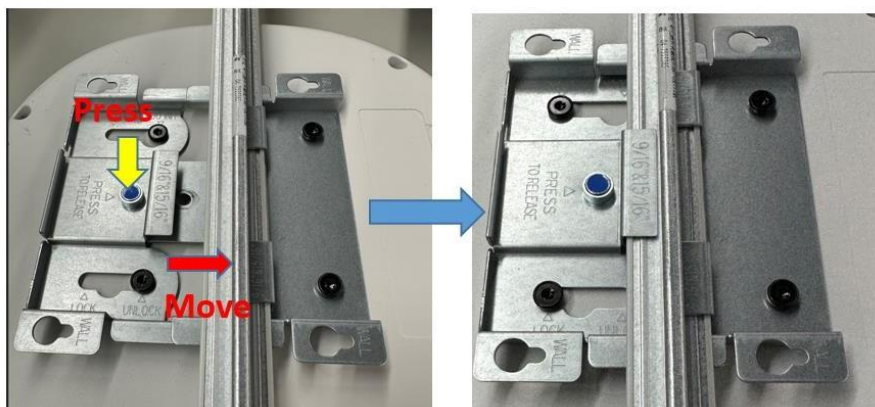


Note: The picture is for reference

**Step2. Slide ceiling plate /AP together
Until T-bar under slots of ceiling plate**



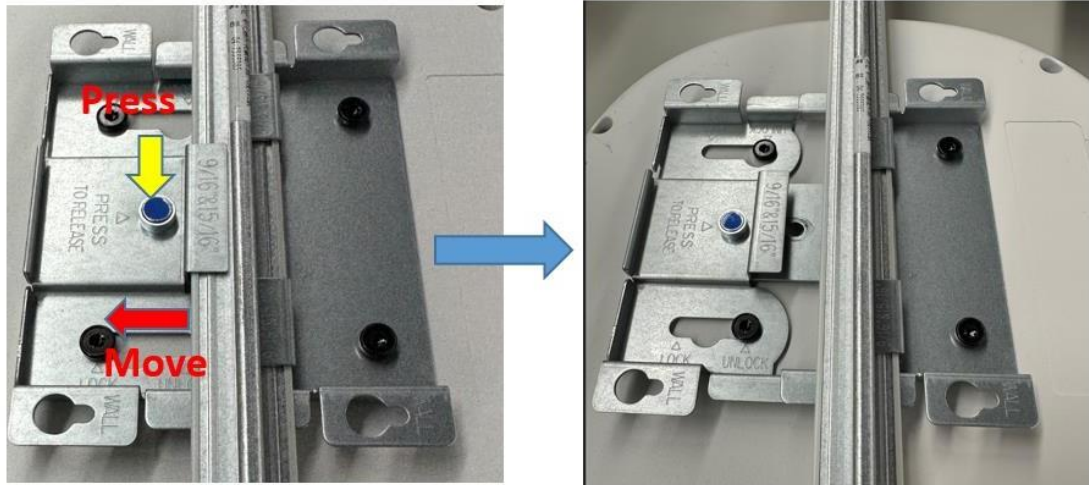
Step3. Press the lock plunger and move bracket B Right to lock it.



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Uninstallation of ceiling plate + AP from T-bar (9/16" & 15/16") → please update accordingly

Step1. Press the lock plunger and move bracket B left to unlock it.



Step2. Slide ceiling plate/ AP together from slots of ceiling plate.



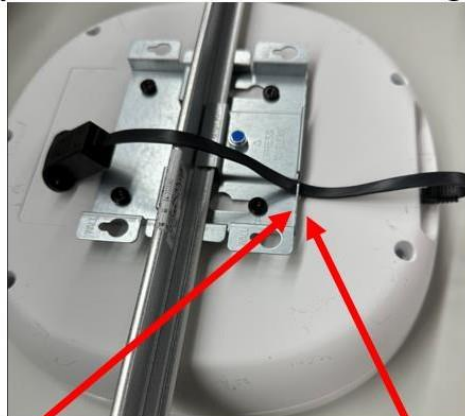
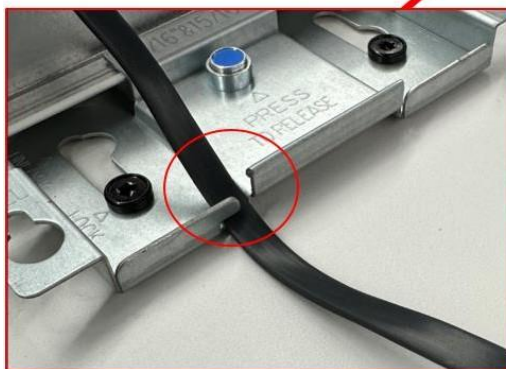
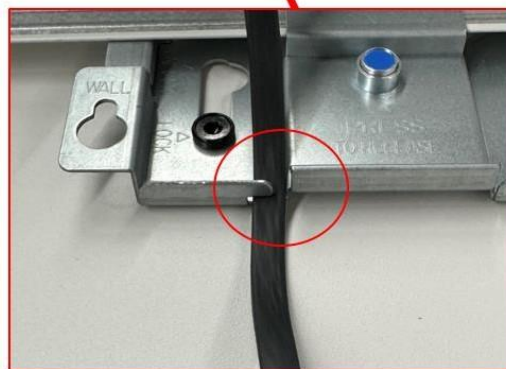
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Installation of RJ45 cable on ceiling plate

Step1. Plug cable into RJ45 of AP.



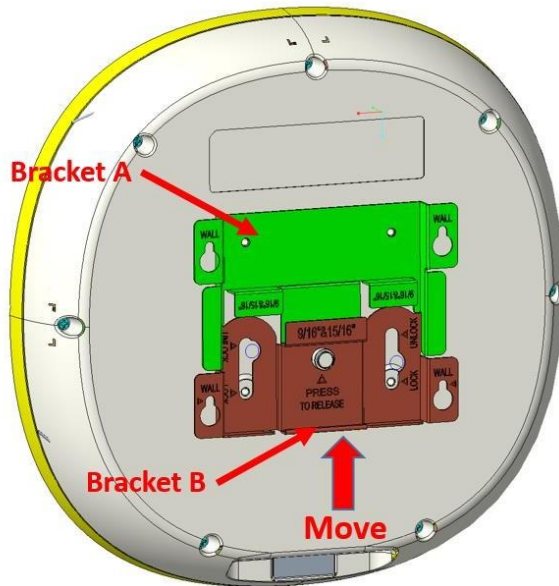
Step2. put cable into cable slot of ceiling plate



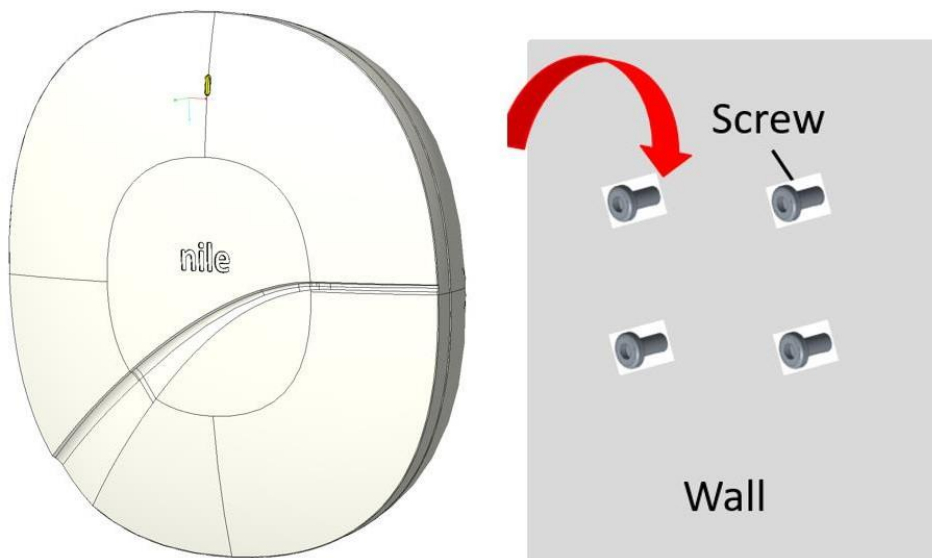
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Installation of ceiling plate + AP on wall mount

Step1. Move bracket B to lock it with bracket A



Step2. Hang the product/ceiling plate together on the wall.



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Regulatory Compliance Information:

Safety Notice

- . Please use CSA/UL Certification Approval & LPS's External Power Adaptor.
- . Please connect with CSA/UL Certification Approval & LPS's DC Source.
- . NWA1100 is indoor use Wireless AP.
- . There is a risk of fire if the battery is replaced with an incorrect type.

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FCC Requirement for Operation in the United States of America:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Guideline for Human Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- For operation within 5.15 ~ 5.25GHz / 5.47 ~ 5.725GHz frequency range, it is restricted to indoor environment.

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This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution :

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit; (detachable antenna only)
- (iii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; (detachable antenna only)

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5 250 à 5 350 MHz et de 5 470 à 5 725 MHz doit être conforme à la limite de la p.i.r.e; (detachable antenna only)
- (iii) pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5 725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée, selon le cas; (detachable antenna only)

FOR MOBILE DEVICE USAGE (>20cm/low power)

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

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FCC regulations restrict the operation of this device to indoor use only.

- a. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft.
- b. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

FOR COUNTRY CODE SELECTION USAGE

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

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- Devices shall not be used for control of or communications with unmanned aircraft systems.
- Operation shall be limited to indoor use only.
- Operation on oil platforms, automobiles, trains, maritime vessels and aircraft shall be prohibited except for on large aircraft flying above 3,048 m (10,000 ft).

- Les dispositifs ne doivent pas être utilisés pour commander des systèmes d'aéronef sans pilote ni pour communiquer avec de tels systèmes.
- leur utilisation doit être limitée à l'intérieur seulement
- leur utilisation à bord de plateformes de forage pétrolier, d'automobiles, de trains, de navires maritimes et d'aéronefs doit être interdite, sauf à bord d'un gros aéronef volant à plus de 3 048 m (10 000 pi) d'altitude.