

Quick Installation Guide

ProFi Ceiling AP Series
Pro-6-LR/Pro-6-Lite

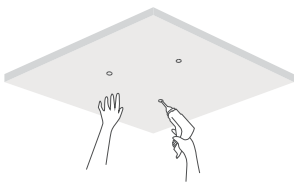
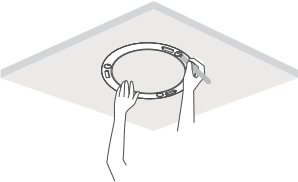
Package Contents

- AP x 1
- Power Adapter x 1 + PoE Injector x 1
- Mounting Bracket (on AP for Pro-6-LR) x 1
- Plastic Anchor (height: 6.6 mm, inner diameter: 2.4 mm, length: 26.4mm) x 3
- Plastic Nut (length: 14.5 mm, diameter: 2.51 mm) x 3
- Screw (head diameter: 6 mm, thread diameter: 3 mm, length: 25 mm) x 3
- Quick Installation Guide

Install the AP

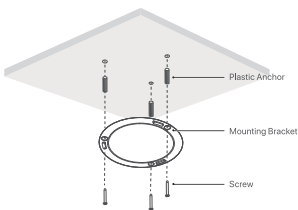
- Tips:**
- Before installation,
 - Record the MAC address (on the label of the AP) and installation position of the AP to locate the AP through the MAC address.
 - Prepare a marker, a hammer drill, a drill bit, a rubber hammer, a screwdriver, and a ladder.
 - The APs are suitable for mounting at heights > 2 m.

- 1 (Pro-6-LR) Remove the bracket from the AP.
- 2 Position the bracket on the ceiling and mark screw hole positions with the marker.
- 3 Drill holes in the marked positions using a hammer drill.

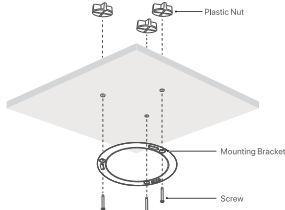


- Tips:**
- Option A** applies to general cases. For ceilings with weak strength (such as plasterboard), please choose **Option B**.

- 4 **Option A:** Knock the included plastic anchors into the holes using the rubber hammer. Insert the included screws into the screw holes on the bracket and fix them into the plastic anchors using a screwdriver to fix the bracket.
- Option B:** Insert the included screws into the screw holes on the bracket and fix them into the included plastic nuts using a screwdriver to fix the bracket.



Option A



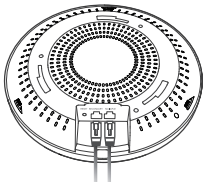
Option B

LED Indicator/Button/Ports

LED Indicator	Description
Blinking white	The AP is starting up.
Solid white	The AP has completed startup and is waiting to be managed by a controller (such as IP-COM ProFi Software Controller, ProFi App/ProFi Cloud web UI, an AP controller (AC), or a router with AP management function).
Solid blue	The AP is managed by a controller (such as IP-COM ProFi Software Controller, ProFi App/ProFi Cloud web UI, an AP controller (AC) or a router with AP management function) and is working properly.
Fast blinking blue	The AP Locate feature was activated in the ProFi Software Controller or ProFi Cloud.
Slowly blinking blue	The AP is isolated and no longer provides wireless access (due to disconnection from the uplink network).
Alternating white /blue	The AP is busy (for example, upgrading firmware). Do not disconnect the power.

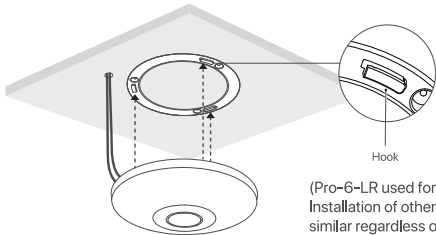
Button/Ports	Description
RESET	Reset button, used to reset the AP. For the reset method, see Q4 in FAQ .
LAN1 (for Pro-6-LR)	10/100/1000 Mbps auto-negotiation. Connected to a wired device (such as a computer) to transmit data.
LAN0/PoE or LAN/PoE	10/100/1000 Mbps auto-negotiation port for both PoE power supply and data transmission. Generally connected to an upstream device (such as a PoE switch). You can power the AP by: –The included PoE adapter or power adapter. – Other PoE power supply devices with IEEE 802.3af/at standards.
Cable Fix Notch	Used to fix Ethernet cables to the AP.

- 5 Use an Ethernet cable (CAT5e or better recommended) to connect a PoE power supply device with IEEE 802.3af/at standards to the **LAN0/PoE** or **LAN/PoE** port of the AP.
- 6 (For Pro-6-LR) If you want to connect a wired device (such as a computer) to the AP, connect it to the **LAN1** port.



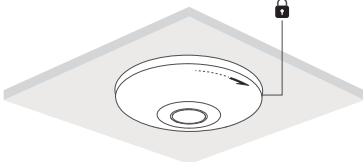
(Pro-6-LR used for example. Wiring of other models is similar regardless of their appearance.)

- 7 Align the slots of the AP with the hooks of the bracket.



(Pro-6-LR used for example. Installation of other models is similar regardless of their appearance.)

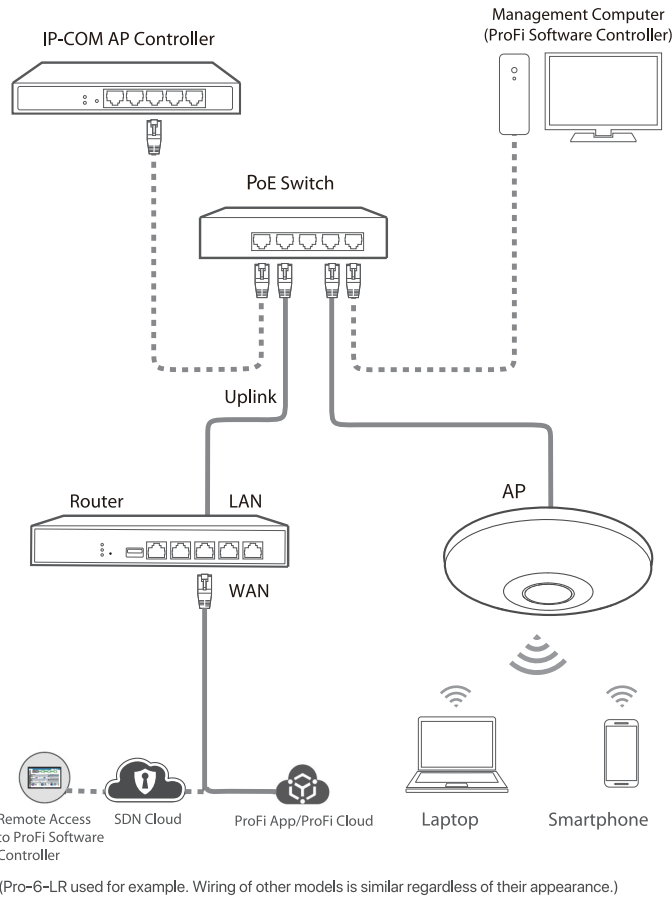
- 8 Ensure that the AP is firmly seated onto the bracket. Turn the AP clockwise until it is fixed securely onto the bracket.



(Pro-6-LR used for example. Installation of other models is similar regardless of their appearance.)

Network Topology

The typical network topology of the APs is shown below.



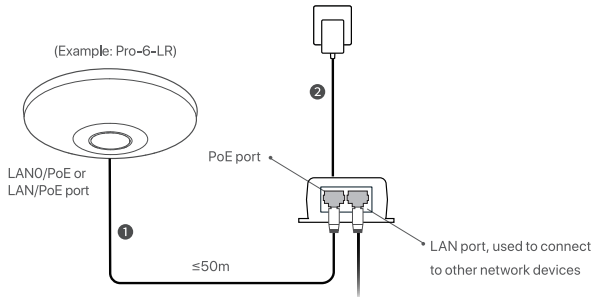
Power the AP

CAT5e or better Ethernet cables are recommended.

Method 1: Power the AP with the included PoE adapter and PoE injector

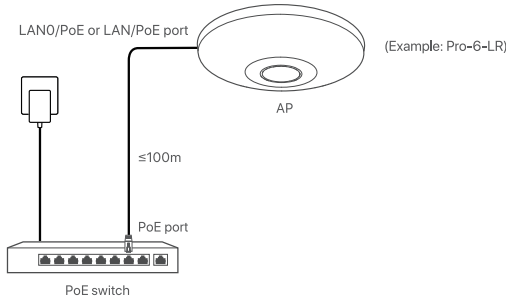
1. Use an Ethernet cable to connect the **LAN0/PoE** or **LAN/PoE** port of the AP to the **PoE** port of the included PoE injector.
2. Use the included power adapter to connect the PoE injector to a power socket.

- Tips:**
- For Pro-6-Lite, the maximum power supply distance is 100 meters; for Pro-6-LR, the maximum power supply distance is 50 meters.



Method 2: Power the AP with a standard PoE power supply device

Use an Ethernet cable to connect the **LAN0/PoE** or **LAN/PoE** port of the AP to a **PoE** power supply device with 802.3af/at standards. A PoE switch is used for illustration in the following figure.



Configure the AP

Method 1: Through ProFi Software Controller

Visit **www.ip-com.com.cn** to download ProFi Software Controller to your computer for management. For details, visit the product page or service page on **www.ip-com.com.cn** to get the user guide of the **ProFi Software Controller**.

Method 2: Through an IP-COM hardware controller

If there is an IP-COM hardware controller (an IP-COM AP controller or an IP-COM router with AP management function) in the LAN, you can manage the APs in batches through the hardware controller. For details, visit the product page or service page on **www.ip-com.com.cn** to get the user guide of the **hardware controller** of the model.

Method 3: Through ProFi App/ProFi Cloud

**Tips:**

Before managing the AP through the ProFi App, ensure that the network where the AP belongs to is connected to the internet.

Scan the QR code below to download the ProFi App. In the App, create a project and add an AP to manage the AP remotely.



Scan to download ProFi App

After the AP is successfully added to the ProFi App, you can also log in to the web UI of ProFi Cloud (**https://imsen.ip-com.com.cn**) to manage the AP remotely. For details, visit the product page or service page on **www.ip-com.com.cn** to get the user guide of the IP-COM **ProFi App** and IP-COM **ProFi Cloud**.

Method 4: Through the web UI of the AP

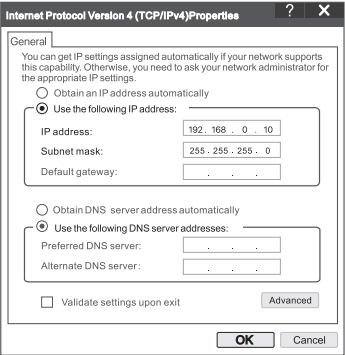
**Tips:**

- To configure multiple APs in the LAN to avoid IP address conflict, you can connect and configure one AP (including the change of IP address) first, then repeat the steps to configure other APs.
- Record the changed IP addresses of APs for subsequent management.

1. Use an Ethernet cable to connect the management computer to a switch which is connected to the AP.

2. Set the IP address of the management computer to the same network segment as that of the AP (default: **192.168.0.254**).

For example, when the AP's IP address is 192.168.0.254, you can set the IP address of your computer to **192.168.0.X** (X ranges from 2 to 253 and is not occupied by other devices) and subnet mask to **255.255.255.0**.



3. Start a web browser on the management computer, and enter the IP address of the AP in the address bar to access the web UI to manage AP.

For details, visit the product page or service page on **www.ip-com.com.cn** to get the user guide of the AP.

Get Support and Services



<https://www.ip-com.com.cn/en/service/default.html>

For technical specifications, user guides and more information, please visit the product page or service page on **www.ip-com.com.cn**. Multiple languages are available. You can see the product name and model on the product label.

Español-Atención: En los estados miembros de la UE, los países de la AELC, Irlanda del Norte y Gran Bretaña, el rango de frecuencia operativa de 5150MHz a 5350MHz solo está permitido en interiores.

Eesti-Tähelepanu: EL-ko liikmesriikides, EFTA riikides, Põhja-Iirimaa ja Suurbritannias on sagedusvahemikus 5150 MHz-5350 MHz kasutamise lubatud ainult siseroomides.

Dansk-Bemærk: I EU-medlemslandene, EFTA-landene, Nordirland og Storbritannien er drift i frekvensområdet 5150 MHz - 5350 MHz kun tilladt indendørs.

Suomi-Huom: Eu-maissa, EFTA-maissa sekä Isonsa-Britanniassa ja Pohjois-Irlannissa taajuusalueella 5150 MHz - 5350 MHz on sallittua käyttää ainoastaan sisätiloissa.

Hrvatski-Pozornost: U državama članicama EU, zemljama EFTA-e, Sjevernoj Irskoj i Velikoj Britaniji, rad u frekvencijskom rasponu od 5150 MHz do 5350 MHz dopušten je samo u zatvorenom prostoru.

Latviešu-Uzmanību: ES valstīs, EBTA valstīs, Ziemeļlīriņā un Lielbritānijā, operēšana iekštelpās ir atļauta tikai 5150 MHz -5350 MHz diapazonā.

Lietuvių-Dėmesio: ES valstybėse narėse, ELPA šalysė, Šiaurės Airijoje ir Didžiojoje Britanijoje 5150 MHz - 5350 MHz dažnių diapazone leidžiama veikti tik patalpose.

Slovenščina-Pozor: V državah članicah EU, državah EFTA, Severni Irski in Veliki Britaniji je delovanje v frekvenčnem območju 5150 MHz - 5350 MHz dovoljeno samo v zaprtih prostorih.

Norsk-OBS: I EUs medlemsland, EFTA-land, Nord-Irland og Storbritannia er drift i frekvensområdet 5150 MHz - 5350 MHz kun tillatt innendørs.

Íslenska-Athugið: Í aðildarríkjum ESB, EFTA-löndum, Norður-Irlandi og Bretlandi er rekstur á tíðnisviðinu 5150 MHz - 5350 MHz aðeins leyfður innandyrá.

 English: Operating Frequency/Max Output Power Polski: Częstotliwość pracy / Maksymalna moc wyjściowa Deutsch: Betriebsfrequenz/Max. Ausgangsleistung Français: Fréquence de fonctionnement/Puissance de sortie maximale Nederlands: Bedrijfsfrequentie/Maximaal uitgangsvermogen Čeština: Provozní frekvence/Maximální výstupní výkon Română: Frecvența de funcționare/Puterea maximă de ieșire Português: Frequência de Funcionamento/Potência Máxima de Saída Svenska: Driftsfrekvens / Max Uteffekt Slovenčina: Prevádzková frekvencia/maximálny výstupný výkon Ελληνικά: Συχνότητα λειτουργίας/Μέγιστη Ισχύς Εξόδου Magyar: Működési frekvencia/Maximális kimeneti teljesítmény Italiano: Frequenza operativa/Potenza di uscita massima Български: Работна честота/максимална изходна мощност Español: Frecuencia operativa/Potencia de salida máxima Eesti: Toosagedus/Max väljundvõimsus Dansk: Driftsfrekvens/Maks. Udgangseffekt Suomi: Toimintataajuus/maksimilähtöteho Hrvatski: Radna frekvencija/Maksimalna izlazna snaga Latviešu: Operējošās frekvences/ Maksimālā jauda Lietuvių: Darbinis dažnis / maksimali išėjimo galia Slovenščina: Delovna frekvenca/Največja izhodna moč Русский: Рабочая частота/макс. выходная мощность Türkçe: Çalışma Frekansı/Maks. Çıkış Gücü Українська: Робоча частота/максимальна вихідна потужність عربي: تردد التشغيل / الحد الأقصى لطاقة الإخراج	2412MHz-2472MHz/20dBm (Pro-6-LR) 5150MHz-5250MHz (indoor use only)/23dBm (Pro-6-Lite) 5150MHz-5350MHz (indoor use only)/23dBm
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FAQ

Q1: I cannot log in to the web UI of the AP. What should I do?

A1: Try the following solutions:

- Ensure that the Ethernet cable is connected properly.
- Ensure that the IP address of the management computer is set to the same network segment as that of the AP. If the AP's IP address is still 192.168.0.254, you can set the IP address of your computer to 192.168.0.X (X ranges from 2 to 253 and is not occupied by other devices).
- If the AP is managed by a controller, the AP may obtain an IP address from a DHCP server in the LAN. You can check the new IP address from the client list of the DHCP server, and use this IP address to log in.
- If the problem persists, reset the AP (see **Q4**).

Q2: The ProFi App fails to add the AP to a project. What should I do?

A2: Try the following solutions:

- Ensure that the network where the AP belongs to is connected to the internet.
- Ensure that the ProFi App is upgraded to the latest version.
- Ensure that the firmware of the AP is the latest version on our official website **www.ip-com.com.cn**.
- Reboot the AP.
- Reset the AP (see **Q4**).

Q3: The controller fails to detect the AP. What should I do?

A3: Try the following solutions:

- Ensure that the physical connections are correct and the AP has started up properly.
- If VLAN exists in the network, ensure that the controller is in the same VLAN as the AP.
- Reboot the AP.
- Ensure that the firmware of the controller and the AP is the latest version on our official website **www.ip-com.com.cn**.
- Reset the AP (see **Q4**).

Q4: How to reset the AP?

A4: When the AP is idle, hold down the **RESET** button with a needle-like object for about 8 seconds and release it when the LED indicator turns off. The AP is reset successfully when the indicator starts to blink white.

Q5: I forgot the username and password when accessing the web UI of the AP. What should I do?

A5: Try to log in with the default username and password (**admin**). If it fails, reset the AP (see **Q4**) and then use the default username and password to log in again.

Safety Precautions

Before performing an operation, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all the safety precautions that must be followed. They are only supplementary information, and the installation and maintenance personnel need to understand the basic safety precautions to be taken.

- Do not use the device in a place where wireless devices are not allowed.
- The device should be powered off during installation.
- If the device adopts power adapter or PoE power supply device supply, use a power adapter or PoE power supply device with required specifications. Do not use the power adapter or PoE power supply device if it is damaged.
- Device operating temperature: -10°C - 40°C; Power/PoE adapter operating temperature: 0°C - 40°C.
- The device is for indoor usage only.
- Keep the device away from water, fire, high electric field, high magnetic field, and inflammable and explosive items.
- If such phenomena as smoke, abnormal sound or smell appear when you use the device, immediately stop using it and disconnect its power supply, unplug all connected cables, and contact the after-sales service personnel.
- Disassembling or modifying the device or its accessories without authorization voids the warranty, and might cause safety hazards.

For latest safety precautions, see **Safety and Regulatory Information** on **www.ip-com.com.cn**.



FCC Statement

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 or more 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.

The device is for indoor usage only.

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.

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This device should be installed and operated with a minimum distance of 20 cm between the device and your body.

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.

(Pro-6-LR) Operating frequency: 2412-2462MHz, 5180-5240MHz, 5745-5825MHz

(Pro-6-Lite) Operating frequency: 2412-2462MHz, 5180-5240MHz, 5260-5320MHz, 5745-5825MHz

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.



RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

Technical Support

Shenzhen IP-COM Networks Co., Ltd.
Address: Room 101, Unit A, First Floor, Tower E3, No.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Email: info@ip-com.com.cn
Website: www.ip-com.com.cn

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This documentation (including pictures, images, and product specifications, etc.) is for reference only. To improve internal design, operational function, and/or reliability, IP-COM reserves the right to make changes to the products described in this document without obligation to notify any person or organization of such revisions or changes.

V1.1 Keep for future reference.



CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

This equipment should be installed and operated with a minimum distance of 20 cm between the device and your body.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity

Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the devices are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
<http://ip-com.com.cn/en/ce.html>

	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK(NL)

	UK
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English-Attention: In EU member states, EFTA countries, Northern Ireland and Great Britain, the operation in the frequency range 5150MHz - 5350MHz is only permitted indoors.

Polski-Uwaga: W państwach członkowskich UE, krajach Europejskiego Stowarzyszenia Wolnego Handlu (EFTA), Irlandii Północnej i Wielkiej Brytanii praca w zakresie częstotliwości 5150 MHz - 5350 MHz jest dozwolona tylko w pomieszczeniach.

Deutsch-Achtung: In den EU-Mitgliedsstaaten, den EFTA-Ländern, Nordirland und Großbritannien ist der Betrieb im Frequenzbereich 5150 MHz - 5350MHz nur in Innenräumen erlaubt.

Français-Attention: Dans les États membres de l'UE, les pays de l'AELE, l'Irlande du Nord et la Grande-Bretagne, l'utilisation dans la gamme de fréquences 5150MHz - 5350MHz n'est autorisée qu'en intérieur.

Nederlands-Aandacht: In de EU-lidstaten, de EVA-landen, Noord-Ierland en Groot-Brittannië is gebruik in het 5150 MHz - 5350 MHz frequentiebereik alleen binnenshuis toegestaan.

Čeština-Pozor: V členských státech EU, zemích ESVO, Severním Irsku a Velké Británii je provoz ve frekvenčním rozsahu 5150 MHz - 5350 MHz povolen pouze v interiéru.

Română-Atenție: În statele membre UE, țările EFTA, Irlanda de Nord și Marea Britanie, operarea în intervalul de frecvență 5150 MHz - 5350 MHz este permisă numai în interior.

Português-Atenção: Nos estados membros da UE, países da EFTA, Irlanda do Norte e Grã-Bretanha, o funcionamento na gama de frequências 5150MHz - 5350MHz só é permitido no interior.

Svenska-Uppmärksamhet: I EU medlemsstater, EFTA - länderna, Nordirland och Storbritannien är det endast tillåtet att använda frekvensområdet 5150 MHz - 5350 MHz inomhus.

Slovenščina-Pozor: V členskih državah EU, Severnem Irsku a Veliki Britaniji je prevádzka vo frekvenčnom pásme 5150 MHz - 5350 MHz povolená len v interiéru.

Ελληνικά-Προσοχή: Στα κράτη μέλη της ΕΕ, στις χώρες της ΕΖΕΣ, στη Βόρεια Ιρλανδία και στη Μεγάλη Βρετανία, η λειτουργία στην περιοχή συχνότητας 5150 MHz - 5350 MHz επιτρέπεται μόνο σε εσωτερικούς χώρους.

Magyar-Figyelem: Az EU-tagállamokban, az EFTA-országokban, Észak-Irországbán és Nagy-Britanniában az 5150 MHz-5350 MHz-es frekvenciatartományban való működtetés csak beltérben engedélyezett.

Italiano-Attenzione: Negli Stati membri dell'UE, nei Paesi EFTA, nell'Irlanda del Nord e in Gran Bretagna, il funzionamento nella gamma di frequenze 5150 MHz - 5350 MHz è consentito solo in ambienti chiusi.

Български-Внимание: В страните-членки на ЕС, страните от ЕАСТ, Северна Ирландия и Великобритания, работата в честотния диапазон 5150MHz - 5350MHz е разрешена само на закрито.

