



airFiber 24

24 GHz Point to Point 1.4+ Gbps Radio

Model: AF-24

QUICK START GUIDE

Introduction

Thank you for purchasing the Ubiquiti Networks® airFiber® 24 GHz Point-to-Point Radio. This Quick Start Guide is designed to guide you through installation, show you how to access the airFiber Configuration Interface, and explain how to set up an airFiber link. This Quick Start Guide also includes the warranty terms and is for use with the model AF-24.

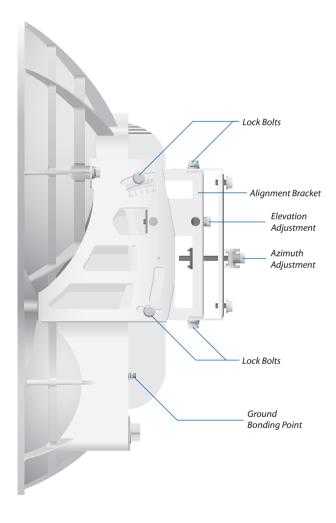
Package Contents



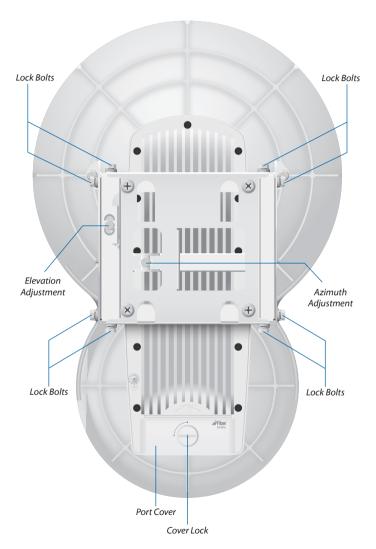
TERMS OF USE: Ubiquiti radio devices must be professionally installed. Shielded Ethernet cable and earth grounding must be used as conditions of product warranty. TOUGHCable is designed for outdoor installations. It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, and Dynamic Frequency Selection (DFS) requirements.

Hardware Overview

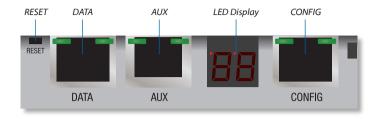
Side



Back

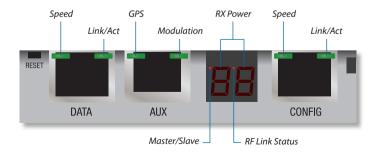


Interfaces



Interface	Description
RESET	To reset to factory defaults, press and hold the Reset button for more than five seconds while the unit is already powered on.
DATA	10/100/1000 Mbps port handles all user traffic.
AUX	Port for audio tone aiming.
LED Display	Digital display used for power, status, and mode information.
CONFIG	10/100 Mbps, secured port for configuration. By default, this is the only port that can monitor, configure, and/or update firmware.

LEDs



LED		State	Status	
DATA	Speed	Off	10/100 Mbps	
		On	1000 Mbps	
		Off	No Ethernet Link	
	Link/Act	On	Ethernet Link Established	
		Random Flashing	Ethernet Activity	
	GPS	Off	No GPS Synchronization	
		On	Operational (Strong Signal)	
		Normal Flash*	Operational (Weak Signal)	
AUX		Off	1/4x or 1x (QPSK SISO)	
	Modulation	Short Flash*	2x (QPSK MIMO)	
		Normal Flash*	4x (16QAM MIMO)	
		Long Flash*	6x (64QAM MIMO)	
	RX Power (-dBm)	Number	Decodable RX Signal	
		Flashing Number	Undecodable RX Signal	
		oL	Overload Condition	
> =	Master/ Slave	Off	Slave Mode	
ispli		On	Master Mode	
LED Display	RF Link Status	Off	RF Off	
=		Short Flash*	Syncing	
		Normal Flash*	Beaconing	
		Long Flash*	Registering	
		On	Operational	
ŋ	Speed	Off	10 Mbps	
		On	100 Mbps	
CONFIG	Link/Act	Off	No Ethernet Link	
8		On	Ethernet Link Established	
		Random Flashing	Ethernet Activity	

^{*} Short Flash (1:3 on/off cycle) Normal Flash (1:1 on/off cycle) Long Flash (3:1 on/off cycle)

Installation Requirements

- 17 mm wrench
- 13 mm socket wrench or driver
- · Clear line of sight between airFiber radios
- · Clear view of the sky for proper GPS operation
- Mounting location with < 0.5° displacement due to twist and sway under wind loading
- · Mounting point:
 - · At least 1 meter below the highest point on the structure
 - For tower installations, at least 3 meters below the top of the tower
- Ground wires min. 8 AWG (10 mm²) and max. length: 1 meter. As a safety precaution, ground the airFiber radios to grounded masts, poles, towers, or grounding bars.



WARNING: Failure to properly ground your airFiber units will void your warranty.

• (Recommended) 2 Outdoor GigE PoE surge protectors



Note: For guidelines about grounding and lightning protection, follow your local electrical regulatory codes.

 Outdoor, shielded Category 5e (or above) cabling and shielded RJ-45 connectors should be used for all wired Ethernet connections. Category 6 is required for installations with long cable runs (up to 100 m).

We recommend that you protect your networks from the most brutal environments and devastating ESD attacks with industrial-grade shielded Ethernet cable and shielded RJ-45 connectors from Ubiquiti Networks. For more details, visit www.ubnt.com/toughcable

Installation Overview

We recommend that you configure your paired airFiber radios before mounting. Below is an overview of the installation with specific details on the following pages:

- Connect Power over Ethernet to the DATA port, and connect an Ethernet cable between your computer and the CONFIG port.
- · Configure device settings in the airFiber Configuration Interface.

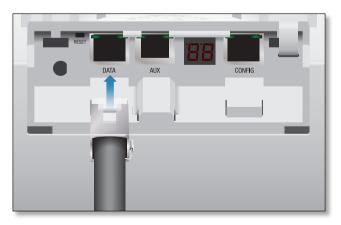
- Once configuration is complete, disconnect the cables to move the airFiber radios
- · Reconnect at the site.
- After you have mounted the airFiber radios, establish and optimize the RF link.

Connecting Power over Ethernet

Turn the Cover Lock to the Unlocked
 icon. Slide the Port Cover
down to remove it.



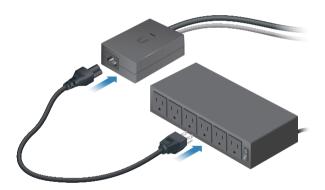
2. Connect an Ethernet cable to the DATA port.



3. Connect the other end of the Ethernet cable from the *DATA* port to the Ethernet port labeled **POE** on the *GigE POE Adapter*.



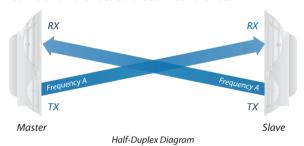
 Connect the Power Cord to the power port on the GigE PoE Adapter. Connect the other end of the Power Cord to a power source.



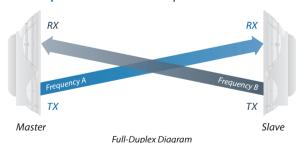
airFiber Configuration

The instructions in this section explain how to access the airFiber Configuration Interface and configure the following settings:

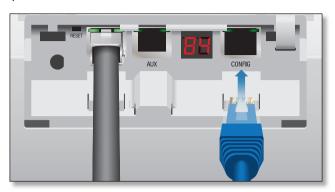
- Wireless Mode Configure one airFiber AF-24 as the Master and the other as the Slave.
- Duplex The airFiber AF-24 supports both half-duplex and full-duplex operation. Half-duplex operation provides more frequency planning options at the cost of higher latency and throughput. Full-duplex operation provides the highest throughput and lowest latency; however, you have fewer frequency management options.
 - Half Duplex (default) The TX and RX Frequencies can be the same or different to suit local interference.



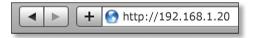
- Full Duplex The TX and RX Frequencies should be different.



 TX and RX Frequencies The TX Frequency on the Master must match the RX Frequency on the Slave, and vice versa. Connect an Ethernet cable from your computer to the CONFIG port on the airFiber AF-24.



- Configure the Ethernet adapter on your computer with a static IP address on the 192.168.1.x subnet (for example, 192.168.1.100).
- Launch your web browser. Type http://192.168.1.20 in the address field and press enter (PC) or return (Mac).



4. The login screen will appear. Enter **ubnt** in the *Username* and *Password* fields. Select your *Country* and *Language*. You must agree to the *Terms of Use* to use the product. Click **Login**.



Note: U.S. product versions are locked to the U.S. Country Code to ensure compliance with FCC regulations.

Click the Wireless tab.



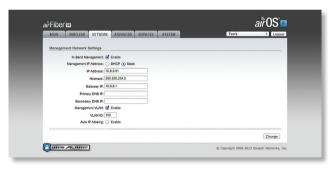
6. Enter the Basic Wireless Settings:

- For one airFiber AF-24, select Master from the Wireless Mode drop-down. For the other airFiber AF-24, keep the default, Slave.
- b. Enter a name in the *Link Name* field. This should be the same on both the Master and the Slave.
- c. For the Duplex drop-down:
- Half Duplex The default mode. The TX and RX Frequencies can be the same or different to suit local interference.
- Full Duplex The TX and RX Frequencies should be different.
- d. Select a *TX Frequency*. This must match the *RX Frequency* on your other airFiber AF-24.
- e. Select a RX Frequency. This must match the TX Frequency of your other airFiber AF-24.
- f. If needed, change the *Output Power, Maximum Modulation Rate*, and/or *RX Gain* settings.

- 7. Configure the Wireless Security:
 - a. Select the AES Key Type, HEX or ASCII.
 - b. For the Key field:
 - HEX Enter 16 bytes (eight, 16-bit HEX values: 0-9, A-F, or a-f). You can omit zeroes and use colons, similar to the IPv6 format.

Note: The airFiber Configuration Interface supports IPv6 formats excluding dotted quad and "::" (double-colon) notation.

- ASCII Enter a combination of alphanumeric characters (0-9, A-Z, or a-z).
- 8. Click Change and then click Apply.
- In-Band Management is enabled by default, so each airFiber radio must have a unique IP Address. (If the airFiber radios use the same IP Address, then you may lose access to the airFiber radios via the DATA ports.) To change the network settings:
 - a. Click the Network tab.



- b. Change the *IP Address, Netmask*, and other settings to make them compatible with your network.
- c. Click Change and then click Apply.

Repeat the instructions in the *airFiber Configuration* section on your other airFiber radio. After you have configured the airFiber radios, disconnect them and move them to your installation site.

Hardware Installation

To install the airFiber AF-24:

1. Insert the four Carriage Bolts into the Pole Mount Bracket.

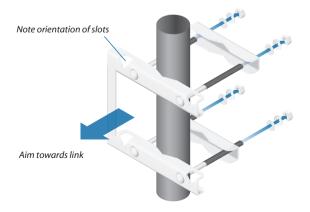


2. Attach the Pole Mount Bracket to a pole.

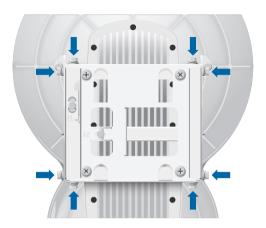


Note: The mounting assembly can accommodate a \emptyset 51 - 101 mm (2.0" - 4.0") pole.

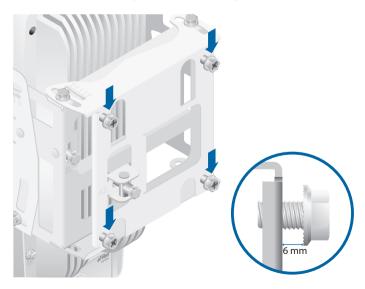
- a. Orient the *Pole Mount Bracket* around the pole so it is aimed in the direction of the other airFiber AF-24.
- b. Insert the Carriage Bolts into the Pole Clamps.
- Secure the clamps with the Flat Washers, Split Lock Washers, and Hex Nuts.



3. Loosen, but do NOT remove the eight *Lock Bolts* located on the *Alignment Bracket*.



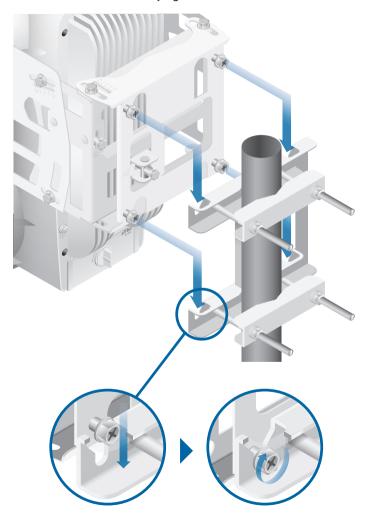
4. Ensure that there is a 6 mm gap between the head of each *M8x14 Serrated Flange Screw* and the *Alignment Bracket*.



5. Lift the airFiber AF-24 and align the four *M8x14 Serrated Flange Screws* with the slots on the *Pole Mount Bracket*. Seat the screws in the slots. Securely tighten the screws.

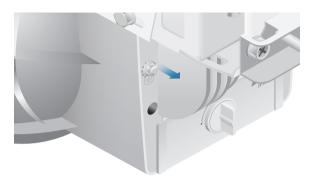


WARNING: To prevent injury, ensure that all four screws are seated and fully tightened.

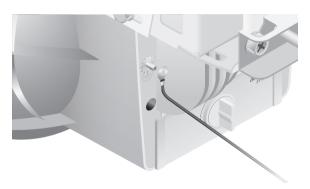


6. Attach a ground wire:

a. Remove the nut from the Ground Bonding Point.



b. Attach a ground wire (min. 8 AWG or 10 mm²) to the lug and replace the nut to secure the wire.



c. Secure the other end of the ground wire to a grounded mast, pole, tower, or grounding bar.



WARNING: Failure to properly ground your airFiber units will void your warranty.

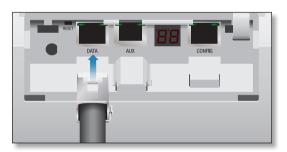


Note: The ground wire should be as short as possible and no longer than one meter in length.

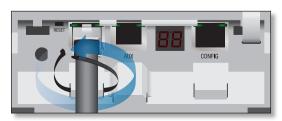
Connecting Ethernet



2. Connect a TOUGHCable or other outdoor, shielded CAT5e/6 cable to the *DATA* port.



 Create a strain relief for the Ethernet cable by feeding a Cable Tie through the tie slot under the cable. Then wrap the Cable Tie around the cable and tighten.



4. Connect the other end of the Ethernet cable from the *DATA* port to the Ethernet port labeled **POE** on the *GigE PoE Adapter*.



5. Connect an Ethernet cable from your network to the Ethernet port labeled **LAN** on the *GigE PoE Adapter*.



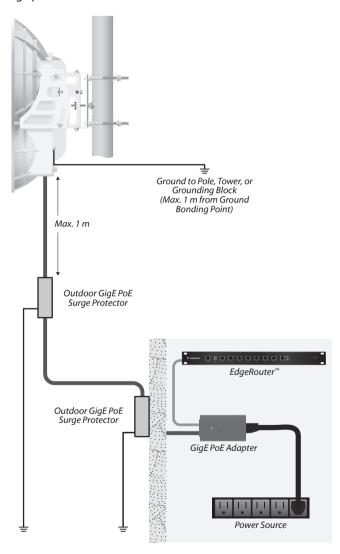
 Connect the Power Cord to the power port on the GigE PoE Adapter. Connect the other end of the Power Cord to a power source.





Note: For added protection, we recommend installing two GigE PoE surge protectors. Install the first surge protector within one meter of the airFiber *DATA* port, and install the second surge protector at the ingress point of the location housing the wired network equipment.

Below is a diagram of a finished installation with recommended surge protectors installed.



Alignment

Tips

- Fine-tuning is best achieved by a pair of installers with a
 dedicated, two-way communication link: one installer makes
 adjustments on one airFiber radio while the other installer
 reports the received signal level at the other airFiber radio.
 Fine-tuning (see Fine-Tuning the Link) is necessary because
 the main lobe of the receiver is narrower than that of the
 transmitter, in both azimuth and elevation.
- To accurately align the airFiber radios for best performance, you MUST align only one end of the link at a time.
- For more convenient alignment, you may consider using long-range scopes (not included) temporarily attached to your airFiber radios.
- You may need to use additional hardware to compensate for issues such as the improper orientation of a mounting pole or significant elevation differences between the airFiber radios.

Establishing a Preliminary Link

Adjust the positions of the *Master* and the *Slave* to establish a preliminary link. This requires the *Master* and *Slave* to be within a few degrees of the line of sight between the airFiber radios.



Note: The *Master* must be aimed first at the *Slave* because the *Slave* does not transmit any RF signal until it detects transmissions from the *Master*.

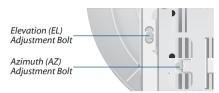
 For the Master and Slave, ensure the eight Lock Bolts on the Alignment Bracket are sufficiently loose by spinning each washer by hand.



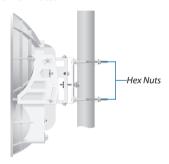


WARNING: All *Lock Bolts* MUST be loose to avoid damage to the airFiber housing.

 For the Master and Slave, ensure the Azimuth (AZ) and Elevation (EL) Adjustment Bolts are in the middle of their adjustment ranges.



- 3. Master Aim the *Master* at the *Slave*. If necessary, adjust the *Master*'s position on the pole:
 - a. Loosen the Hex Nuts.
 - b. Adjust the Pole Mount Bracket and Pole Clamps.
 - c. Tighten the Hex Nuts.



4. Slave Aim the Slave at the Master to achieve the strongest received signal level on the Slave's numeric LED Display, which is located next to the CONFIG port. If necessary, adjust the Slave's position on the pole.



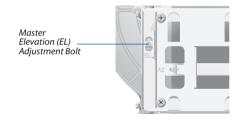


Note: Values on the LED Display are displayed in negative (-) dBm. For example, 61 represents -61 dBm, which is stronger than -72 dBm.

- Master Adjust the azimuth and elevation of the Master until the strongest received signal level is displayed on the LED Display of the Master.
 - a. Sweep the *Azimuth (AZ) Adjustment Bolt* of the *Master* through its adjustment range.



b. Sweep the *Elevation (EL) Adjustment Bolt* of the *Master* through its adjustment range.







Note: If the LED Display indicates an overload condition refer to the airFiber AF-24 User Guide at: documentation.ubnt.com for more information.

Fine-Tuning the Link

The Azimuth (AZ) and Elevation (EL) Adjustment Bolts of the Alignment Bracket adjust the azimuth and elevation within a range of $\pm 10^\circ$. For accurate alignment, make adjustments on one end of the link while the other installer reports the received signal level at the other end of the link. Do NOT make simultaneous adjustments on the Master and Slave.

- Slave Adjust the azimuth and elevation of the Slave until the other installer sees the strongest received signal level displayed on the LED Display of the Master.
- Master Adjust the azimuth and elevation of the Master until
 the other installer sees the strongest received signal level
 displayed on the LED Display of the Slave.
- Repeat steps 1 and 2 until you achieve a symmetric link, with the received signal levels within 1 dB of each other. This ensures the best possible data rate between the airFiber radios.
- 4. Lock the alignment on both airFiber radios by tightening all eight *Lock Bolts* on the *Alignment Bracket*.
- 5. Observe the LED Display of each airFiber AF-24 to ensure that the value remains constant while tightening the Lock Bolts. If the LED value changes during the locking process, loosen the Lock Bolts, finalize the alignment of each airFiber AF-24 again, and retighten the Lock Bolts.
- For each airFiber AF-24, attach the Port Cover and turn the Cover Lock to the Locked
 icon.



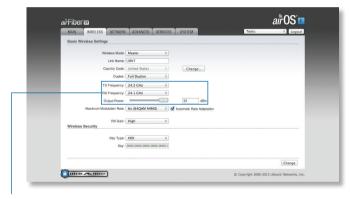
There are three methods for determining the received signal level:

- · LED Display (described above)
- · airFiber Configuration Interface
- Audio tone (optional equipment required)

Refer to the airFiber AF-24 User Guide for instructions on the airFiber Configuration Interface and audio tone methods. The User Guide is available at: **documentation.ubnt.com**

Installer Compliance Responsibility

Devices must be professionally installed and it is the professional installer's responsibility to make sure the device is operated within local country regulatory requirements.



The Frequencies and Output Power fields are provided to the professional installer to assist in meeting regulatory requirements.

Specifications

airFiber AF-24			
Dimensions	649 x 426 x 303 mm (25.55 x 16.77 x 11.93")		
Weight	10.5 kg (23.15 lb) Mount Included		
Operating Frequency	24.05 – 24.25 GHz		
Max Power Consumption	< 50W		
Power Supply	50V, 1.2A PoE GigE Adapter (Included)		
Power Method	Passive Power over Ethernet (42-58VDC)		
Certifications	CE, FCC, IC		
Mounting	Pole Mount Kit (Included)		
Wind Loading	306.9 N @ 200 km/hr (69 lbf @ 100 mph)		
Operating Temperature	-40 to 55° C (-40 to 131° F)		
Networking Interface			
Data Port	(1) 10/100/1000 Ethernet Port		
Configuration Port	(1) 10/100 Ethernet Port		

Receive Sensitivity				
Modulation	Sensitivity	FDD Capacity*	TDD Capacity*	
64QAM	-66 dBm	1500 Mbps	760 Mbps	
16QAM	-72 dBm	1000 Mbps	507 Mbps	
QPSK MIMO	-78 dBm	500 Mbps	253 Mbps	
QPSK SISO	-80 dBm	250 Mbps	127 Mbps	
1/4x QPSK SISO	-87 dBm	62.5 Mbps	31.7 Mbps	

^{*} FDD = (2) 100 MHz channels and TDD = (1) 100 MHz channel

Safety Notices

- 1. Read, follow, and keep these instructions.
- 2. Heed all warnings.
- 3. Only use attachments/accessories specified by the manufacturer.



WARNING: Do not use this product in location that can be submerged by water.



WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

- Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
- 2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
- This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
 - a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
 - b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
 - Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
 - d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
 - e. Protective bonding must be installed in accordance with local national wiring rules and regulations.

Limited Warranty

UBIQUITI NETWORKS, Inc ("UBIQUITI NETWORKS") warrants that the product(s) furnished hereunder (the "Product(s)") shall be free from defects in material and workmanship for a period of one (1) year from the date of shipment by UBIQUITI NETWORKS under normal use and operation. UBIQUITI NETWORKS' sole and exclusive obligation and liability under the foregoing warranty shall be for UBIQUITI NETWORKS, at its discretion, to repair or replace any Product that fails to conform to the above warranty during the above warranty period. The expense of removal and reinstallation of any Product is not included in this warranty. The warranty period of any repaired or replaced Product shall not extend beyond its original term.

Warranty Conditions

The above warranty does not apply if the Product:

- has been modified and/or altered, or an addition made thereto, except by Ubiquiti Networks, or Ubiquiti Networks' authorized representatives, or as approved by Ubiquiti Networks in writing;
- (II) has been painted, rebranded or physically modified in any way;
- (III) has been damaged due to errors or defects in cabling;
- (IV) has been subjected to misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, including lightning strikes, or accident;
- (V) has been damaged or impaired as a result of using third party firmware:
- (VI) has no original Ubiquiti MAC label, or is missing any other original Ubiquiti label(s); or
- (VII) has not been received by Ubiquiti within 30 days of issuance of the RMA.

In addition, the above warranty shall apply only if: the product has been properly installed and used at all times in accordance, and in all material respects, with the applicable Product documentation; all Ethernet cabling runs use CAT5 (or above), and for outdoor installations, shielded Ethernet cabling is used, and for indoor installations, indoor cabling requirements are followed.



WARNING: Failure to properly ground your airFiber units will void your warranty. (Please follow the instructions on page 16 for installation of the ground wires.)

Returns

No Products will be accepted for replacement or repair without obtaining a Return Materials Authorization (RMA) number from UBIQUITI NETWORKS during the warranty period, and the Products being received at UBIQUITI NETWORKS' facility freight prepaid in accordance with the RMA process of UBIQUITI NETWORKS. Products returned without an RMA number will not be processed and will be returned freight collect or subject to disposal. Information on the RMA process and obtaining an RMA number can be found at: www.ubnt.com/support/warranty.

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Limitation of Liability

EXCEPT TO THE EXTENT PROHIBITED BY LOCAL LAW, IN NO EVENT WILL UBIQUITI OR ITS SUBSIDIARIES, AFFILIATES OR SUPPLIERS BE LIABLE FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES (INCLUDING LOST PROFIT, LOST DATA, OR DOWNTIME COSTS), ARISING OUT OF THE USE, INABILITY TO USE, OR THE RESULTS OF USE OF THE PRODUCT, WHETHER BASED IN WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY, AND WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Note

Some countries, states and provinces do not allow exclusions of implied warranties or conditions, so the above exclusion may not apply to you. You may have other rights that vary from country to country, state to state, or province to province. Some countries, states and provinces do not allow the exclusion or limitation of liability for incidental or consequential damages, so the above limitation may not apply to you. EXCEPT TO THE EXTENT ALLOWED BY LOCAL LAW, THESE WARRANTY TERMS DO NOT EXCLUDE, RESTRICT OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE LICENSE OF ANY SOFTWARE (EMBEDDED IN THE PRODUCT) TO YOU. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to any transactions regarding the sale of the Products.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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
- This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada

CAN ICES-3(A)/NMB-3(A)

This Class A digital apparatus complies with Canadian CAN ICES-3(A).

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference, and
- This device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-3(A)/NMB-3(A)

Cet appareil numérique de la classe A est conforme à la norme NMB-3(A) Canada.

Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisies de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie.

Cet appareil est conforme à la norme RSS Industrie Canada exempts de licence norme(s). Son fonctionnement est soumis aux deux conditions suivantes:

- 1. Cet appareil ne peut pas provoquer d'interférences et
- Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

RF Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of at least 107 cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter, except as listed for this product's certification.

Les antennes utilisées pour ce transmetteur doivent être installé en considérant une distance de séparation de toute personnes d'au moins 107 cm et ne doivent pas être localisé ou utilisé en conflit avec tout autre antenne ou transmetteur, excluant la liste de certification de ce produit.

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it. This equipment is intended to be accessed only by service personnel and/or trained professionals.

Alert Sign (!) Follows CE Marking

Alert sign must be indicated if a restriction on use applied to the product and it must follow the CE marking.



Declaration of Conformity

Českv UBIOUITI NETWORKS tímto prohla uie, e tento UBIOUITI

NETWORKS device, je ve shod se základními po adavky a dal ími p [Czech]

íslu n mi ustanoveními sm rnice 1999/5/ES.

Dansk Underteanede UBIOUITI NETWORKS erklærer herved, at følgende udstyr UBIQUITI NETWORKS device, overholder de væsentlige krav [Danish]

og øvrige relevante krav i direktiv 1999/5/EF.

Nederlands Hierbii verklaart UBIOUITI NETWORKS dat het toestel UBIOUITI

NETWORKS device, in overeenstemming is met de essentiële eisen [Dutch] en de andere relevante bepalingen van richtlijn 1999/5/EG.

Bii deze verklaart UBIOUITI NETWORKS dat deze UBIOUITI NETWORKS device, voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

Hereby, UBIOUITI NETWORKS, declares that this UBIOUITI English

NETWORKS device, is in compliance with the essential requirements

and other relevant provisions of Directive 1999/5/EC.

Käesolevaga kinnitab UBIOUITI NETWORKS seadme UBIOUITI **Eesti**

NETWORKS device, vastavust direktiivi 1999/5/EÜ põhinõuetele ja [Estonian]

nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Suomi UBIOUITI NETWORKS vakuuttaa täten että UBIOUITI NETWORKS device, typpinen laite on direktiivin 1999/5/EY oleellisten [Finnish]

vaatimusten ja sitä koskevien direktiivin muiden ehtojen

mukainen.

Par la présente UBIQUITI NETWORKS déclare que l'appareil Français UBIQUITI NETWORKS, device est conforme aux exigences [French]

essentielles et aux autres dispositions pertinentes de la directive

1999/5/CE.

Deutsch Hiermit erklärt UBIQUITI NETWORKS, dass sich diese UBIQUITI

NETWORKS device, in Übereinstimmung mit den grundlegenden [German]

Anforderungen und den anderen relevanten Vorschriften der

Richtlinie 1999/5/EG befindet. (BMWi)

ΜΕΤΗΝ ΠΑΡΟΥΣΑ UBIOUITI NETWORKS ΔΗΛΩΝΕΙ ΟΤΙ UBIOUITI Ελληνική

NETWORKS device, ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ [Greek]

ΑΠΑΙΤΉΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΈΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ

1995/5/FK

Alulírott, UBIOUITI NETWORKS nyilatkozom, hogy a Magyar

UBIQUITI NETWORKS device, megfelel a vonatkozó alapvető [Hungarian]

követelményeknek és az 1999/5/EC irányely egyéb előírásainak.

Íslenska Hér me I sir UBIOUITI NETWORKS vfir ví a UBIOUITI NETWORKS device, er í samræmi vi grunnkröfur og a rar kröfur, sem ger ar eru í [Icelandic]

tilskipun 1999/5/EC.

Italiano Con la presente UBIOUITI NETWORKS dichiara che questo UBIOUITI

NETWORKS device, è conforme ai requisiti essenziali ed alle altre [Italian]

disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Latviski Ar o UBIOUITI NETWORKS deklar, ka UBIOUITI NETWORKS device. atbilst Direkt vas 1999/5/EK b tiskaj m pras b m un citiem ar to saist [Latvian]

taiiem noteikumiem.

Lietuviškai UBIOUITI NETWORKS deklaruoja, kad šis UBIOUITI NETWORKS įrenginys atitinka esminius reikalavimus ir kitas 1999/5/EB [Lithuanian]

Direktyvos nuostatas.

Hawnhekk, UBIOUITI NETWORKS, iiddikiara li dan UBIOUITI Malti NETWORKS device, jikkonforma mal- ti ijiet essenzjali u ma [Maltese]

provvedimenti o rain relevanti li hemm fid-Dirrettiva 1999/5/EC.

Norsk UBIOUITI NETWORKS erklærer herved at utstyret UBIOUITI NETWORKS device, er i samsvar med de grunnleggende krav og [Norwegian]

øvrige relevante krav i direktiv 1999/5/EF.

UBIOUITI NETWORKS t mto vvhlasuie, e UBIOUITI NETWORKS Slovensky device, sp a základné po jadavky a v etky príslu né ustanovenia [Slovak]

Smernice 1999/5/ES.

Svenska Härmed intygar UBIOUITI NETWORKS att denna UBIOUITI [Swedish]

NETWORKS device, står I överensstämmelse med de väsentliga egenskapskray och övriga relevanta bestämmelser som framgår av

direktiv 1999/5/FG

Español Por medio de la presente UBIQUITI NETWORKS declara que el UBIOUITI NETWORKS device, cumple con los requisitos esenciales [Spanish]

y cualesquiera otras disposiciones aplicables o exigibles de la

Directiva 1999/5/CE.

Polski Ninieiszym, firma UBIOUITI NETWORKS o wiadcza, e produkt serii UBIOUITI NETWORKS device, spełnia zasadnicze wymagania i inne [Polish]

istotne postanowienia Dyrektywy 1999/5/EC.

UBIQUITI NETWORKS declara que este UBIQUITI NETWORKS device, **Português** está conforme com os requisitos essenciais e outras disposições da [Portuguese]

Directiva 1999/5/CE.

Română Prin prezenta, UBIQUITI NETWORKS declară că acest dispozitiv [Romanian]

UBIOUITI NETWORKS este în conformitate cu cerintele esentiale si

alte prevederi relevante ale Directivei 1999/5/CE.



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