



Package content



UniFi Switch



Rack mount brackets
(qty: 2)



Screw Clamps (Qty: 8)



Set Screws (Qty: 4)



Cage Nuts (Qty: 4)



Power cord



Rubber base (qty: 4)

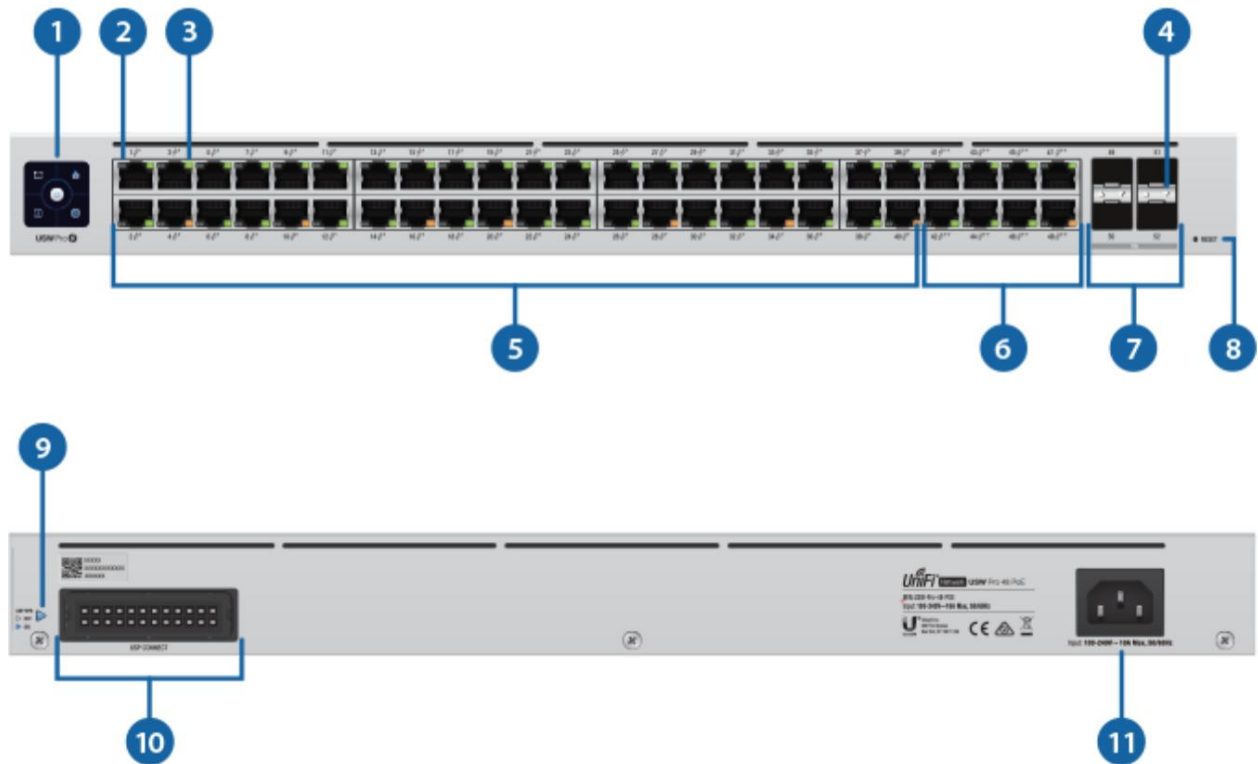
System Requirements

- Linux, Mac OS X or Microsoft Windows
- 7/8/10 Java Runtime Environment 1.6 (1.8 or later is recommended)
- Web browser: Google Chrome (other browsers may have limited functionality).



IMPORTANT: We strongly recommend using power regulation and supporting an uninterruptible power supply to prevent equipment damage due to local AC power stability issues.

hardware description



1 Touch screen

startup animation

Starting.

fixed white light

Factory defaults, pending approval.

steady blue light

Network approval successful and correct operation.

location animation

This indicates you have clicked Locate in the UniFi controller software.

2 RJ45 PoE LEDs (ports 1 - 48)

disabled

Sin PoE

**3** Speed/Link/Activity LED (Ports 1 - 48)

disabled	not connected
Amber	Link established at 10/100 Mbps Blinking indicates activity
Green	Link established at 1000 Mbps Blinking indicates activity

4 SFP+ Speed/Link/Activity LED (Ports 49 - 52)

disabled	not connected
Green	Link established at 1 Gbps Blinking indicates activity
White	Link established at 10 Gbps Blinking indicates activity

5 RJ45 (ports 1 - 40)

RJ45 ports support 10/100/1000 Ethernet connections and an 802.3af/at PoE output.

6 RJ45 (ports 41 - 48)

RJ45 ports support 10/100/1000 Ethernet connections and an 802.3af/at/bt PoE output.

7 SFP+ (ports 49 - 52)

SFP+ ports are hot-swappable and support 1/10 Gbps connections.

8 Reset button

This button has two functions on the UniFi switch:

- [Reset](#) – Quickly press and release the Reset button.
- [Restore Factory Default Settings](#): Press and hold the Reset button for more than five seconds.



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The LED lights blue when there is an active power connection on the USP DC input.

10 DC input connected to USP

This DC input provides redundant power when the UniFi Switch is connected to the UniFi SmartPower Redundant Power System, model USP-RPS, via the USP cable (not included). If there is a loss of AC power or internal power supply failure, the UniFi Switch will be powered from the USP-RPS instead.

11 power port

Connect the included power cord to the power port.

installation requirements

- Phillips screwdriver
- Standard size, 19" rack width with a minimum 1U height For indoor applications, use
- Category 5 (or higher) UTP cabling certified for indoor use.
- For outdoor applications, Category 5 (or higher) shielded cabling must be used for all Ethernet connections and must be connected to the AC ground of the power supply.

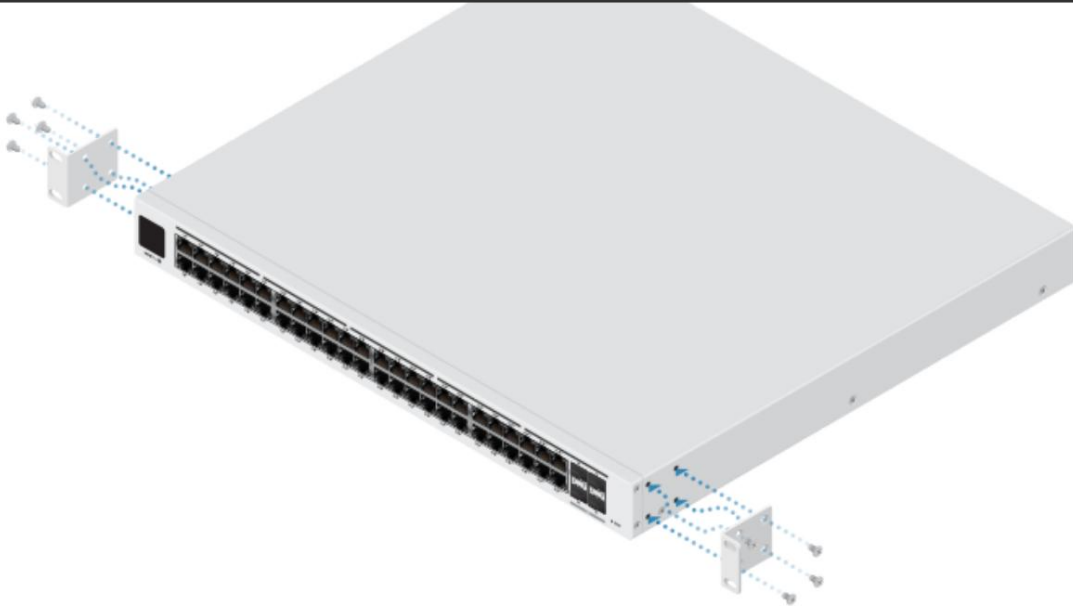
We recommend that you protect your networks from harmful outdoor environments and electrostatic discharge phenomena with Ubiquiti's Industrial Grade Shielded Ethernet Cable. For more details, visit: ui.com/toughcable



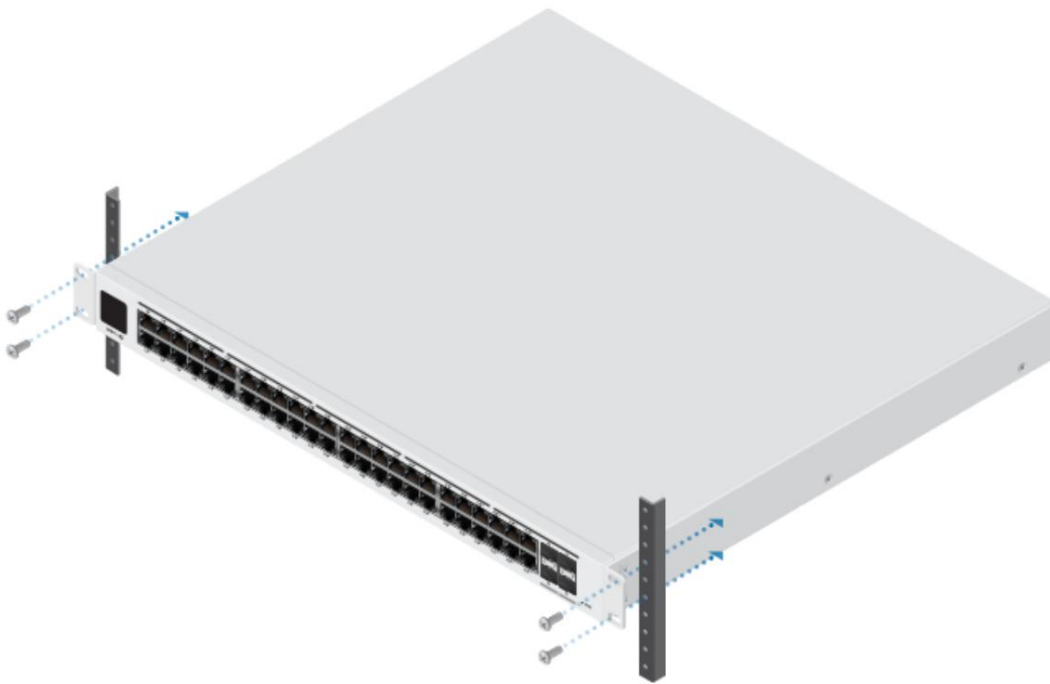
Note: Although the wiring can be run outside, the UniFi Switch must be stored inside a protective case.

hardware installation

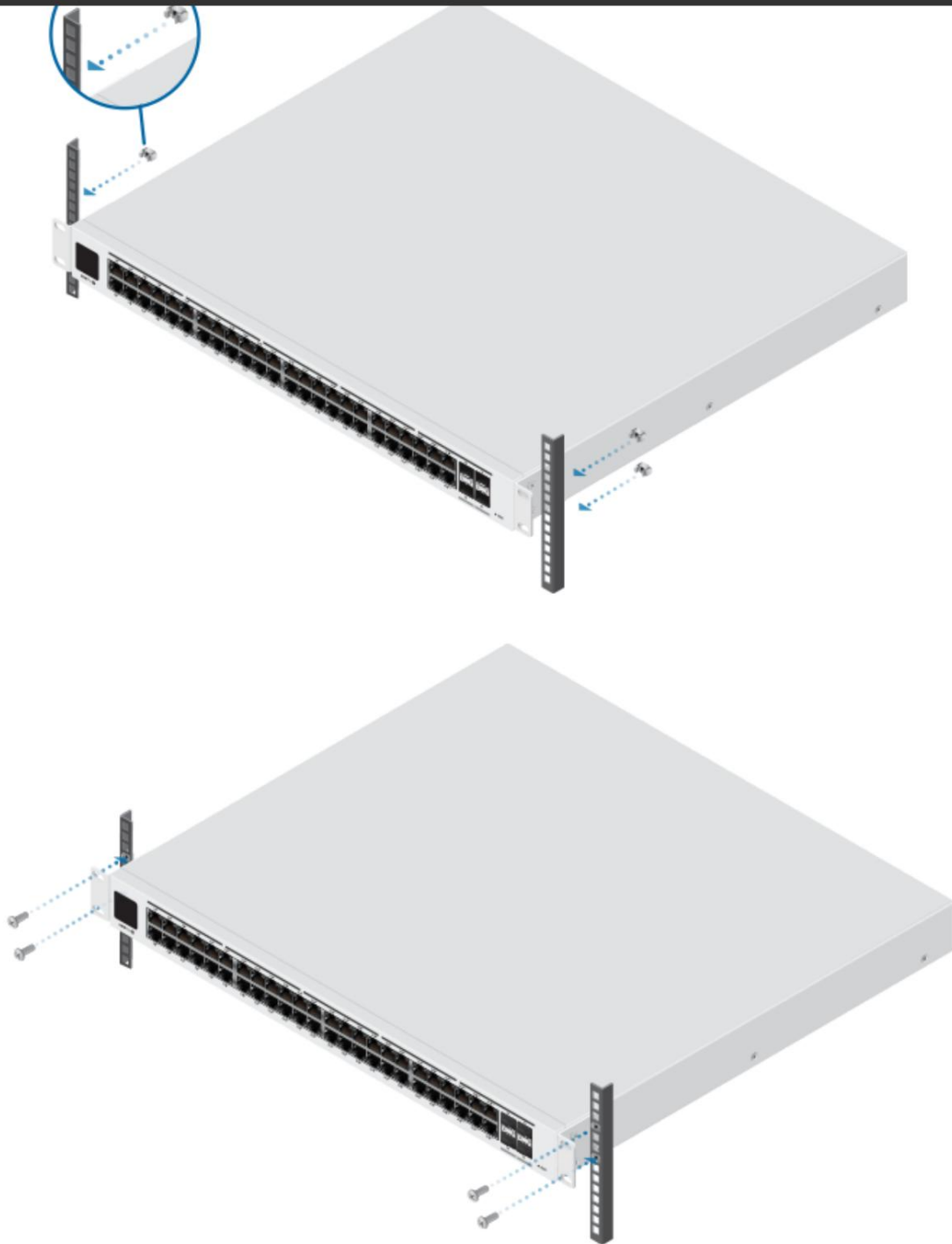
1.



2.



O



Power connection

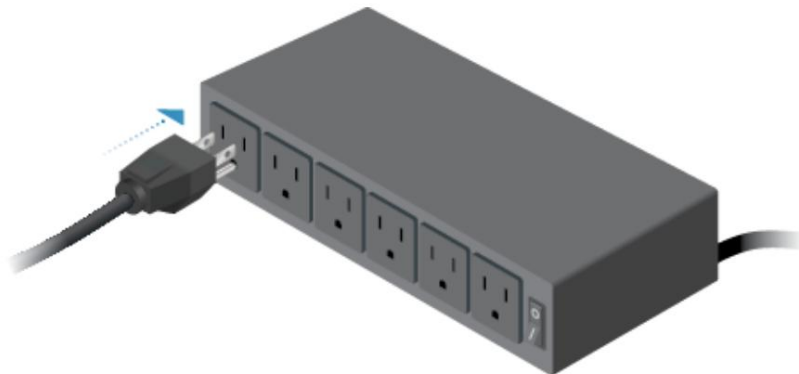
1.



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2.



ethernet connection



SFP connection

1.



2.



3.



For more information on compatible fiber SFP modules, visit: ubnt.link/UniFi_SFP_DAC_Compatibility

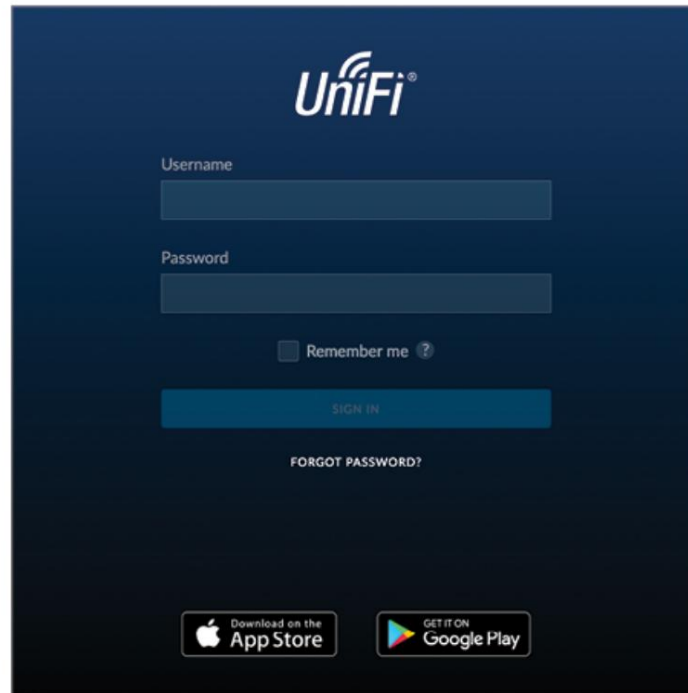
Software installation

Download and install the latest version of the UniFi driver software at ui.com/download/unifi and follow the instructions on the screen.



Note: If you already have UniFi Controller version 5.10.x or higher installed, go to the ["UniFi Switch Implementation" section](#).

created and click Sign In.



You can manage your wireless network and view network statistics through the UniFi Controller's management interface.

To implement the UniFi Switch, go to "[UniFi Switch Implementation](#)".

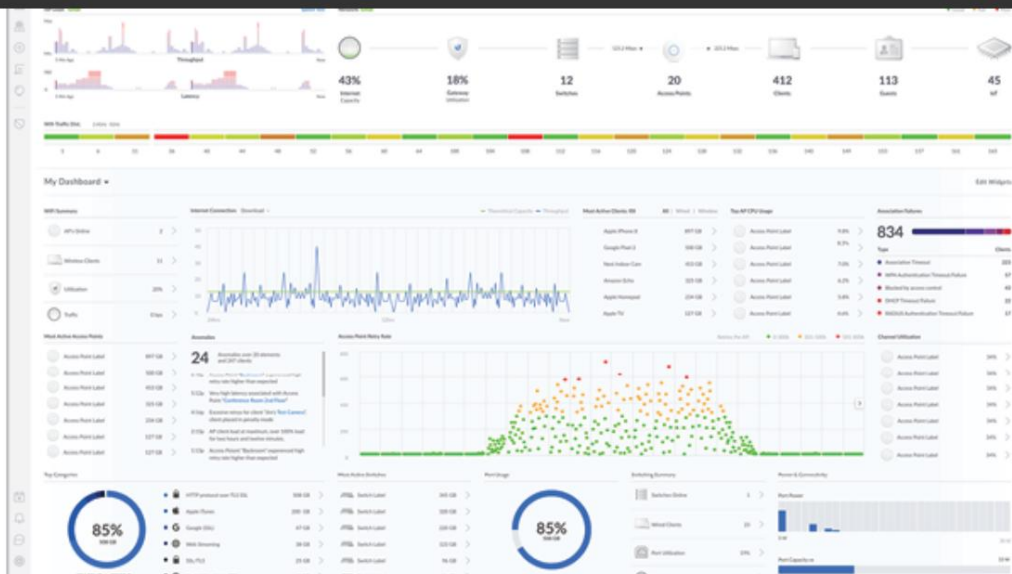
For information on setting up and using the UniFi Controller software, see the user guide located on our website: ui.com/download/unifi

The implementation of the UniFi switch

1. From the UniFi controller panel, click Devices in the left menu bar.



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2. On the Devices screen, locate the UniFi switch in the list of devices in the Model column. To approve the UniFi switch, click Adopt.

The screenshot shows the 'Devices' screen in the UniFi Network Controller. It displays a table of devices with columns for Device Name, IP Address, Status, Model, Version, and Uptime. The table lists several UniFi switches and access points, all of which are in a 'CONNECTED' status. At the bottom, there is a 'Pending Adoption' section with a table of devices that are not yet adopted.

DEVICE NAME	IP ADDRESS	STATUS	MODEL	VERSION	UPTIME
USG	10.2.50.21	CONNECTED	UniFi Security Gateway 4P	4.4.18.5052172	73d 17h 52m 34s
US-6XS	192.168.1.155	CONNECTED (1000 PDX)	UniFi Switch-XG 6POE	4.0.5.9550	55m 40s
US-XG	192.168.1.35	CONNECTED (1000 PDX)	UniFi Switch 16XS	4.0.1.9421	11d 3h 57m 49s
US16P-150W	192.168.1.176	CONNECTED	UniFi Switch 16 POE-150W	4.0.5.9550	54m 32s
US8P-150W	192.168.1.31	CONNECTED	UniFi Switch 8 POE-150W	4.0.1.9421	35d 22h 16m 38s
US8P-150W	192.168.1.248	CONNECTED	UniFi Switch 8 POE-150W	4.0.5.9550	56m 14s
US8P-60W	192.168.1.45	CONNECTED	UniFi Switch 8 POE-60W	4.0.5.9550	12m 47s
fxcda77049f	192.168.1.152	PENDING ADOPTION	UniFi Switch PRO 48 POE	4.0.5.9550	1h 27m 16s

3. The System LED on the UniFi Switch will turn blue to confirm successful deployment.

specs

USW-Pro-48-POE	
Dimensions	442,4 x 399,6 x 43,7 mm (17,42 x 15,73 x 1,72")



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Weight	6,25 kg (13,78 lb)
With rack mounting brackets	6,34 kg (13,98 lb)
Interfaces	
Red	(48) 10/100/1000 RJ45 ports (4) 1/10G SFP+ Ethernet ports
Management	Ethernet and bandwidth
feeding method	
universal entry	100-240V AC/50-60Hz
USP RPS DC input	52 V CC, 11,54 A; 11,5 V CC, 5,22 A
Power supply	AC/DC, internal, 660W
Supported voltage range	From 100 to 240 V AC
Max power consumption (Does not include PoE output)	60W
Luces LED	
System	state
RJ45 data port	PoE; speed/link/activity
SFP+ data port	Link/Activity
ESD/EMP protection	Air: ± 16 kV, contact: ± 12 kV
Shocks and vibrations	ETSI300-019-1/4 standard
Operating temperature	-5 to 40° C (23° F to 104° F)
operating humidity	10 to 90% non-condensing
Certifications	CE, FCC, IC

sound level*

25% PoE load, 25°C ambient temperature	0,9 dBr
50% PoE load, 25°C ambient temperature	7,3 dBr
100% PoE load, 40°C	22,5 dBr

* **Background noise level: 27.5 dBa**

PoE

Interfaces the PoE	
Ports 1-40	PoE+ IEEE 802.3af/at (tomas: 1, 2+; 3, 6-)
Ports 41-48	PoE++ IEEE 802.3bt 60W (Par A 1, 2+; 3, 6-) (Par B 4, 5+; 7, 8-)



Wattage per Port per PSE 802.3at	
802.3bt	32W 64W
802.3af voltage range mode	44-57V
802.3at/bt voltage range mode	50-57v

safety instructions

1. Read, follow and save these instructions.
2. Pay attention to all warnings.
3. Only use the devices or accessories indicated by the manufacturer.



WARNING: Lack of adequate ventilation may result in a fire hazard.
Keep at least 20mm clearance next to the ventilation holes for proper ventilation.



WARNING: To reduce the risk of fire or electric shock, do not expose the product to rain or moisture.



WARNING: Do not use this product in a place where it can be submerged in water.



WARNING: Avoid using this product during a lightning storm. There is a remote possibility of an electrical discharge caused by lightning.

electrical safety information

1. It is mandatory to comply with the current, frequency and voltage requirements indicated on the manufacturer's label. Connection to a power source other than those specified may result in malfunction, equipment damage, or fire hazard if limitations are not followed.
2. This equipment contains no operator-serviceable parts. Only a qualified service technician should provide services.
3. This equipment is supplied with a detachable power cord that has an integral safety ground wire designed to be connected to a safety ground.
 - a. Do not substitute the power cord with one other than the approved type provided. Never use an adapter plug to connect to a two-wire outlet, as it will break the continuity of the ground wire.
 - b. The equipment requires the use of the ground wire as part of the safety certification. Modification or misuse can create a shock hazard, which could cause serious injury or death.
 - c. If you have any questions about the installation, contact an electrician

qualified person or the manufacturer before connecting the equipment.



and. A protective connection must be installed in accordance with national wiring rules and regulations.

4. The product is used in the service access area.

limited warranty

ui.com/support/warranty

The limited warranty requires arbitration to resolve disputes on a case-by-case basis and, where appropriate, specifying arbitration instead of jury trials or class actions.

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

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 protect the equipment, to the extent possible, from harmful interference when it 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. Operation 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.

ISED from Canada

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

Australia and New Zealand



Warning: This equipment complies with Class A of CISPR 32. In a residential environment, it may cause radio interference.

CE marked

The CE marking of this product indicates that the product complies with all applicable directives.



[WEEE Compliance Statement](#)

[Declaration of conformity](#)

online resources

