

# USB to IP Adapter for Peripheral Devices





## **Version Information**

Version	Release Date	Notes
4	Jan 2024	Updated warranty information



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## **Operating Notes**



**IMPORTANT:** Visit http://www.atlona.com/product/AT-OMNI-324 for the latest firmware updates and User Manual.

### Warranty



https://atlona.com/warranty/.



## **Important Safety Information**



DO NOT OPEN ENCLOSURE OR EXPOSE TO RAIN OR MOISTURE. NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the product.

The information bubble is intended to alert the user to helpful or optional operational instructions in the literature accompanying the product.

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this product near water.
- 6. Clean only with a dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install or place this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- 9. Do not defeat the safety purpose of a polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
- 11. Only use attachments/accessories specified by Atlona.
- 12. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.
- 13. Unplug this product during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.



## FCC Compliance

FCC Compliance and Advisory Statement: This hardware 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 A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed or 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 by one or more of the following measures: 1) reorient or relocate the receiving antenna; 2) increase the separation between the equipment and the receiver; 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected; 4) consult the dealer or an experienced radio/TV technician for help. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulations.

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## Introduction

The Atlona **OmniStream™ 324 (AT-OMNI-324)** works in tandem with the OmniStream 311 (AT-OMNI-311) for extending USB from peripheral devices to a PC over Gigabit Ethernet. The OmniStream 324 features a four-port USB hub for peripherals, while the OmniStream 311 interfaces with a PC or other host device. The OmniStream USB over IP system is compatible with USB 2.0 data rates of up to 480 Mbps. It can be used with high-bandwidth devices including cameras, speakerphones, microphones, and DSPs, plus standard USB HID class devices such as a keyboard, mouse, or touch display. Up to seven OmniStream 324 units can be simultaneously paired to an OmniStream 311. Additionally, USB routing over the network can be managed using Atlona Management System (AMS) 2.0.

OmniStream USB products can be used in a wide variety of system design scenarios for soft codec conferencing and remote keyboard / mouse control. They are ideal for integrating USB audio and video devices as part of a fully IP-based meeting room system, in conjunction with OmniStream AV over IP devices and the Velocity Control System.

## **Features**

- Extend USB over Gigabit Ethernet using CAT5e/6 cable.
- Four-port USB hub.
- Supports high bandwidth devices such as webcams and speakers, as well as standard HID-class peripherals.
- Compatible with USB 2.0 data rates up to 480 Mbps.
- Ideal for meeting room applications to extend USB from touch displays, cameras, speakerphones, DSPs, and more.
- Design flexible and scalable AV systems in combination with OmniStream AV encoders and decoders.
- Up to seven OmniStream 324 units can be paired with an OmniStream 311 over a network.
- USB signal routing configured and managed by AMS (Atlona Management System) 2.0.
- Ready for integration with Atlona Velocity<sup>™</sup> Control System to manage USB signal routing.
- Front panel LED indicators for power, network and USB host connectivity, and USB signal presence over IP.
- Low-profile, 1 inch (25 mm) high enclosure.
- Includes installation guide, surface-mounting brackets, and external universal power supply.

## **Package Contents**

1 x AT-OMNI-324 2 x Mounting brackets 1 x 24 V DC power supply 1 x Installation Guide



## **Panel Description**



### 1 USB Device Ports

Connect up to four USB devices using these ports.

### 2 PWR

This LED indicator glows solid green when the unit is powered.

### 3 HOST

This LED indicator glows green when a USB host device is connected to the AT-OMNI-311 (not included). Refer to LED Indicators (page 10) for more information.

### 4 LINK

This LED indicator is solid green when a solid connection between this unit and the transmitter has been established. Refer to LED Indicators (page 10) for more information.

### 5 SIGNAL

This LED indicator monitors data transmission between this unit and the receiver. The LED will blink intermittently whether or not a USB device is connected. Refer to LED Indicators (page 10) for more information.

### 6 DC 24V

Connect the included power supply to this power receptacle.

### 7 UTILITY

This port is for factory programming.

### 8 PAIRING

Press this button to begin the pairing process.

#### 9 LAN

Connect an Ethernet cable from this port to the Local Area Network (LAN).



## Installation

### **Connection Instructions**

**IMPORTANT:** The AT-OMNI-324 supports a maximum of 3 additional USB hubs that may be connected downstream. Up to 7 AT-OMNI-324 units may be paired to an AT-OMNI-311, allowing up to a maximum of 31 USB devices.

1. Place the AT-OMNI-324 near the location of the USB devices to be connected. Connect up to four USB devices to the USB ports on the AT-OMNI-324.

The AT-OMNI-324 can be connected to a AT-OMNI-311 (not included) in one of two ways:

### **Over a Network**

- a. Connect an Ethernet cable, up to 330 feet (100 meters), from the **LAN** port on the AT-OMNI-324 to the network switch. Note that multiple AT-OMNI-324 units can be connected to the network.
- b. Connect an Ethernet cable, up to 330 feet (100 meters), from the transmitter (AT-OMNI-311; not included) to a switch on the same network.



**NOTE:** When connecting a transmitter and receiver, over a network, the cable distance between hops must not exceed 330 feet (100 meters) for copper connections (fiber extenders can be used to create longer runs). For example, connecting up to five network switches, using copper cabling, can be used to extend USB up to 1980 feet (600 meters).

### **Direct Connection**

- a. Connect an Ethernet cable, up to 330 feet (100 meters), from the **LAN** port of the AT-OMNI-324 directly to the AT-OMNI-311 (not included).
- 2. Connect the included power supply to the **DC 24V** power receptacle.
- 3. Connect the power supply to an available electrical outlet.
- 4. Refer to Pairing (page 11) for instructions on pairing.



### **Connection Diagrams**

Connection over a Local Area Network (LAN)



### **Direct Connection**





## **Basic Operation**

### **LED Indicators**

The **PWR**, **LINK**, **HOST**, and **SIGNAL** LED indicators on the OmniStream 324 provide basic information on the current status of the unit.

LED			Description
PWR	Solid green	•	Unit is powered.
	Off	0	Unit is not powered.
			<ul> <li>Verify that the included power supply is connected to the AT- OMNI-324 and the power supply are connected to a live electrical outlet.</li> </ul>
LINK	Solid green	•	The link integrity between the receiver and the transmitter is good.
	Blinking green (slow)	*	The receiver is attempting to establish a link to the transmitter.
	Blinking green (fast)	*	The receiver is in Pairing Mode.
	Off	0	There is no link between the receiver and the transmitter.
			• <b>Direct Mode:</b> Verify that an Ethernet cable is connected between the <b>LAN</b> port on the receiver and the transmitter.
			• Network Mode: Verify that an Ethernet cable is connected between the LAN port on the receiver and the network switch.
			Check that the Ethernet cable is not physically damaged.
			Make sure that the Ethernet cable does not exceed 330 feet (100 meters).
HOST	Solid green	٠	The transmitter is properly enumerated on the host computer.
	Blinking green	*	The transmitter is in a suspended state.
SIGNAL	Blinking green	*	This LED indicator will blink intermittently when data is being transmitted between the receiver and the transmitter.
	Off	0	The receiver is in Suspend Mode.



### Pairing

### Manual Pairing

The OmniStream 311 and OmniStream 324 can also be paired manually. This applies when the OmniStream 311 and OmniStream 324 are connected, either through a network switch (on the same broadcast domain) or directly to one another using category cable. This instructions below cover manual pairing for both the OmniStream 311 and OmniStream 324.

1. Make sure both the OmniStream 311 and OmniStream 324 are connected, either directly or through a network switch, and that all USB connections have been made.

### OmniStream 311

2. Press and hold the **PAIRING** button, for no more than 10 seconds, on the OmniStream 311 using the end of a paperclip or other pointed object.

**IMPORTANT:** Pressing the **PAIRING** button for *more* than 10 seconds will cancel the pairing mode.



3. Release the **PAIRING** button. The **LINK** LED indicator will begin flashing. Pairing mode is now active on the OmniStream 311.

**NOTE:** To cancel pairing mode, press and hold the **PAIRING** button for more than 10 seconds.

### **OmniStream 324**

4. Press and hold the **PAIRING** button on the OmniStream 324, for *no more* than 10 seconds, using the end of a paperclip or other pointed object.



**IMPORTANT:** Pressing the **PAIRING** button for *more* than 10 seconds will cancel the pairing mode. The **PAIRING** button on the OmniStream 324 must be pressed within 10 minutes of activating pairing mode on the OmniStream 311. If not, then the pairing process will automatically be cancelled.

5. Release the **PAIRING** button. The **LINK** LED indicator will begin flashing. Pairing mode is now active on the OmniStream 324.

The OmniStream 311 and OmniStream 324 will begin the linking process. During the linking process, the **LINK** LED indicator on both unit may flash more slowly. This is normal behavior.

Once both **LINK** LED indicators are solid green, the pairing process will be complete.



### Unpairing an Extender

To unpair one extender from the other, press and hold the **PAIRING** button, on either of the connected units, for *more* than 10 seconds, then release.

### Using Velocity<sup>™</sup>

The following section provides instructions on pairing AT-OMNI-311 units with AT-OMNI-324 units using the Atlona Velocity Control Software. Familiarity with the Velocity software is assumed. Refer to the *Atlona Velocity User Manual* for more information, if necessary.

- 1. Launch a web browser and enter the IP address of Velocity, in the address bar.
- 2. Enter the required login credentials.
- 3. Click the **Login** button.
- 4. The Velocity Dashboard will be displayed.
- 5. Click the  $\equiv$  icon, in the upper-left corner, to display the fly-out menu.





 The Modify Room screen will be displayed. Click the Room Control Options icon, in the upper-right corner of the Technology bar.

≡ C Help≁		velocity	
ඏ Modify Room	All Sites » All Rooms » Omni 311 324 » Modifying Technology		
Technology	Corrected         Corrected           Image: Corrected         Image: Corrected           Image: Corrected         Im	Room Control Options icon	***
	2 0 8 ■ 2 0 8 ■ Pro Pro		

9. The **Room Control Options** screen will be displayed. In order to allow units to be paired or unpaired, two macros will need be created: one for pairing and one for unpairing.

× Room Control Optic	ons	5
CONTROL SET	TINGS	USER INTERFACE
Automation		
Macros:		
Event Macros:		
Room Triggers:	Ŕ	
Audio and Dialer Setting	16	
	<b>Jo</b>	

10. Click the Macros icon to display the Room Macros screen.



### **Creating the Unpair Macro**

1. In the **Room Macros** screen, click the + icon, in the upper-right corner of the screen.

× Room	Macros		•
Name	Custom Image	Macro Commands	

- 2. Enter the name of the macro in both the **Name** and **Macro Commands** text field. The name of the macro should be descriptive of what option is being performed.
- 3. Click the + icon to display the macro configuration dialog.

Name	Custom Image	Macro Configuration icon		+
* <sub>Alias</sub> Unpair	* UPLOAD	Unpair +	^	:

 Click the Device drop-down list and select one of the device from this list. Since the "Unpair" macro will disconnect the two units from one another, either the AT-OMNI-311 or AT-OMNI-324 can be selected from this drop-down list. In this example, the AT-OMNI-324 is selected.

Unpair				+	~	:
Hide In: Drawer	Prese	t Page				
Command 1	Device:				•	
Custom Value:	Command: Parameters:	Velocity				
Denesti		Device: AT-OMNI-	324: 00:	1B:13:07	A6:FB	(192.168.11.123)
Repeat: 0 VIIII	vai: 10	Device: AT-OMNI-3	311: 00:	1B:13:02	2:A7:10	(192.168.11.127)

- 5. Click the **Command** drop-down list and select **Remove All Pairings**.
- 6. Repeat steps 3 through 5: when repeating theses steps, select the AT-OMNI-311 from the **Device** drop-down list.
- 7. Click the Save icon in the top-right portion of the Room Macros bar.



### **Creating the Pair Macro**

1. In the **Room Macros** screen, click the + icon, in the upper-right corner of the screen.

×R	Room Macros					8
Name	Custom Image	Macro Commands				<b>t</b>
* Alias Unpair	* UPLOAD	Unpair	•	+	^	:
* Alias Pair	* UPLOAD	Pair	_ ►	+	^	ł

- 2. Enter the name of the macro in both the **Name** and **Macro Commands** text field. In this example, "Pair" will be used.
- 3. Click the + icon to display the macro configuration dialog.
- 4. Click the **Device** drop-down list and select the AT-OMNI-324.
- 5. Click the Command drop-down list and select Pair (Auto).
- Click the second **Device** drop-down list and select the unit to be paired. Since the AT-OMNI-324 was already selected, select the AT-OMNI-311 from the drop-down list.

	Pair		•	+ ~ :
	Hide In: Drawer	Preset F	Page	
	Command 1	Device:	Device: AT-OMNI-324: 00:1B	:13:0 🔻
	Custom Value:	Command:	Pair (Auto)	•
		Device:	AT-OMNI-311: 00:1B:13:02	:A7:10 v
* Alias Pair * UPLOAD	Repeat: 0 v Interv	val: 10	ms Delay 0 (After):	ms 🚦
	Command 2	Device:	Device: AT-OMNI-311: 00:1B	:13:0 🔻
	Custom Value:	Command:	Pair (Auto)	•
		Device:	AT-OMNI-324: 00:1B:13:02	:A6:FB 🔻
	Repeat: 0 v Interv	val: 10	ms Delay 0 (After):	ms 🚦

- Repeat steps 2 through 5: For the first **Device** drop-down list, select the AT-OMNI-324, and for the second **Device** drop-down list, select the AT-OMNI-311. When this macro is completed, it should appear similar to the following:
- 8. Click the Save icon, in the top-right portion of the Room Macros bar.



#### **Pairing and Unpairing Units**



**IMPORTANT:** Before pairing units, make sure to unpair (remove) any existing pairings using the "unpair" macro that was created on page 19.

- 1. Click the ► icon for the "Unpair" macro. This will remove any possible "out-of-the-box" (factory) pairing that may exist.
- 2. Click the ► icon for the "Pair" macro to pair the two units.

× Roor	m Macros			٦
Name	Custom Image	Macro Commands		+
* Alias Unpair	* UPLOAD	Unpair	<u>ب</u> + ۰	:
* Alias Pair	* UPLOAD	Pair	► + ^	:

### Example: Pairing two AT-OMNI-324 to a single AT-OMNI-311

The following illustration depicts an example of how to pair two AT-OMNI-324 units to a single AT-OMNI-311. Refer to the instructions on the following page for how to configure this setup. Note that arbitrary IP addresses have been assigned for reference.





- 1. In the **Room Macros** screen, click the + icon, in the upper-right corner of the screen.
- 2. Enter "Unpair" for both the Name and Macro Commands text field.
- 3. Click the + icon to display the macro configuration dialog.
- 4. Click the **Device** drop-down list and select one of the devices from this list. Since the "Unpair" macro will be disconnecting a total of three units from one another, the "Unpair" macro will contain a total of three commands. In this example, the AT-OMNI-324 is arbitrarily selected.

Command 1	Device:		
Custom Value:	Command: Parameters:	Velocity	
	1 10	Device: AT-OMNI-324: 00:1B:13:02:A6:	FB (192.168.11.123)
Repeat: 0 Thter	val: 10	Device: AT-OMNI-324: 00:1B:13:02:A7:	:07 (192.168.11.124)
		Device: AT-OMNI-311: 00:1B:13:02:A7:	10 (192.168.11.127)

- 5. Click the Command drop-down list and select Remove All Pairings.
- 6. Repeat steps 3 through 5, selecting the second AT-OMNI-324 and then the AT-OMNI-311 from the **Device** dropdown list. When completed, the "Unpair" macro should appear as follows:

Command 1	Device:	Device: AT-OMNI-324: 00:1B:13:0 🔻	
Custom Value:	Command:	Remove All Pairings	•
Repeat:	Parameters:	ms Delay 0	ms
		(After):	•
Command 2	Device:	Device: AT-OMNI-324: 00:16	3:13:0 🔻
Custom Value:	Command:	Remove All Pairings	•
	Parameters:		
Repeat: 0 🗸 Inter	val: 10	ms Delay 0 (After):	ms
Command 3	Device:	Device: AT-OMNI-311: 00:16	3:13:0 🔻
Custom Value:	Command:	Remove All Pairings	
Repeat: 0 🕌 Inter	val: 10	ms Delay 0 (After):	ms



- 9. Click the Save icon in the top-right portion of the Room Macros bar.
- 10. Create a "pairing" macro by clicking the 🕂 icon, in the upper-right corner of the screen.

Note that since there are two AT-OMNI-324 units, creating the "Pair" macro can be achieved using two different methods:

- a. Create two separate macros: one to pair the AT-OMNI-311 and the AT-OMNI-324 with the camera, and another one to pair the AT-OMNI-311 with the AT-OMNI-324 with the speakerphone. This method provides more control, providing the option of which AT-OMNI-324 is paired with the AT-OMNI-311.
- b. Create a single macro which pairs both AT-OMNI-324 units to the AT-OMNI-311. This method is more convenient, but does not provide the option of which AT-OMNI-324 is paired with the AT-OMNI-311.

For this example, two separate pairing macros will be created:

- 9. Enter "Pair to camera" in both the **Name** and **Macro Commands** text field. This macro will be used to pair the computer with the camera.
- 10. Click the + icon to display the macro configuration dialog.
- 11. Click the **Device** drop-down list and select the AT-OMNI-324 that is connected to the camera. In this example, the AT-OMNI-324 with the IP address of 192.168.11.124 will be selected.
- 12. Click the **Command** drop-down list and select **Pair (Auto)**.
- 13. Click the second **Device** drop-down list and select the AT-OMNI-311.
- 14. Repeat steps 10 through 13: select the AT-OMNI-311 in the first **Device** drop-down list, and then the AT-OMNI-324 with the camera, from the second **Device** drop-down list. The "Pair to camera" macro should now appear as follows:

Pair to camera		► + ×
Hide In: Drawer	Prese	t Page
Command 1	Device:	Device: AT-OMNI-324: 00:1B:13:0 💌
Custom Value:	Command: Parameters:	Pair (Auto) 🔹
	Device:	AT-OMNI-311: 00:1B:13:02:A7:10
Repeat: 0 v Interval: 10		ms Delay 0 ms : (After):
Command 2	Device:	Device: AT-OMNI-311: 00:1B:13:0 🔻
Custom Value:	Command: Parameters:	Pair (Auto) 🔹
	Device:	AT-OMNI-324: 00:1B:13:02:A6:FB
Repeat: 0 🔹 Inter	rval: 10	ms Delay 0 ms <b>t</b>





- 9. Click the Save icon in the top-right portion of the Room Macros bar.
- 10. Click the + icon, in the upper-right corner of the screen to create the final macro. This macro will be used to pair the computer with the speakerphone.
- 11. Enter "Pair to speaker" in both the Name and Macro Commands text field.
- 12. Click the + icon to display the macro configuration dialog.
- 13. Click the **Device** drop-down list and select the AT-OMNI-324 that is connected to the speakerphone. The AT-OMNI-324 with the IP address of 192.168.11.123 will be selected
- 14. Click the Command drop-down list and select Pair (Auto).
- 15. Click the second **Device** drop-down list and select the AT-OMNI-311.
- 16. Repeat steps 18 through 21: select the AT-OMNI-311 in the first **Device** drop-down list, and then the AT-OMNI-324 with the speakerphone, from the second **Device** drop-down list. The "Pair to speaker" macro should now appear as follows:

Pair to speaker		▶ + ~
Hide In: Drawer	Prese	t Page
Command 1	Device:	Device: AT-OMNI-324: 00:1B:13:0 🔻
Custom Value:	Command: Parameters:	Pair (Auto) 🔹
	Device:	AT-OMNI-311: 00:1B:13:02:A7:10
Repeat: 0 Therval: 10		ms Delay 0 ms to (After):
Command 2 Device:		Device: AT-OMNI-311: 00:1B:13:0 🔻
Custom Value:	Command: Parameters:	Pair (Auto) 🔹
	Device:	AT-OMNI-324: 00:1B:13:02:A7:07
Repeat: 0 🔹 Inte	erval: 10	ms Delay 0 ms (After):

17. Click the Save icon in the top-right portion of the Room Macros bar.



### **DHCP Reset**

Use the following instructions to reset the device to DHCP mode. Resetting to DHCP mode will not remove any pairings and if the device is already paired, it will remain paired.

- 1. Disconnect power from the unit.
- 2. Reconnect power to the unit, and within 5 seconds, press and hold the **PAIRING** button.



- 3. Continue holding the **PAIRING** button for 15 seconds, then release.
- 4. Power-cycle the unit once again, by disconnecting and reconnecting the power. Let the unit boot up normally.
- 5. The unit is now in DHCP mode and will automatically be assigned an IP address by the DHCP server, if one is present on the network.



## Appendix

### **Mounting Instructions**

The AT-OMNI-324 includes two mounting brackets, which can be used to attach the units to any flat surface.

1. Remove the two enclosure screws, on both sides of the unit, using a small Phillips-head screwdriver.



- 2. Position one of the mounting brackets, as shown below, aligning the holes on the side of the enclosure with one set of holes on the mounting bracket.
- 3. Attach the mounting brackets using the enclosure screws from Step 1.



4. Mount the unit using the oval-shaped holes, on each mounting bracket. If using a drywall surface, a #6 drywall screw is recommended.



**NOTE:** The unit can also be mounted under a table or other flat surface.



### **Supported Cameras**

The table below provides a list of webcams that have been tested and verified for use with the AT-OMNI-311 at USB 2.0 speeds.

Manufacturer	Model
Atlona	AT-HDVS-CAM
Creative	Live! Connect HD
	Live! Cam inPerson HD
	Live! Ultra
	Live! Cam Socialize
Logitech	9000
	9000 Pro
	C200
	C910
	C920
	Meetup*
	Orbit MP
	QuickCam Ultra Vision SE
	Vision Pro
Microsoft	1080p HomeCinema
	VX 500
	Lifecam Cinema 720p
	Lifecam HD-5000
	Lifecam VX-2000
Philips	SPC900NC

\*Although this is a USB 3.0 device, the test procedure was performed using a AT-OMNI-324 at USB 2.0 speeds.



## **Specifications**

USB			
Signal	2.0		
Maximum Data Rate	480 Mbps		
Maximum Current Draw	1 A per Type-A port, with a maximum of 2	2.5 A available across all four ports	
Distanco	Foot	Motors	
Per hop of Ethernet cable	330	100	
Tel hop of Ethemet cable	000	100	
Connectors, Controls, and Indicators			
USB	4 - Type A, 4-pin female		
LAN	1 - RJ45, shielded		
UTILITY	1 - 3.5 mm mini-stereo		
DC 24V	1 - 2.1 x 5.5 mm DC power connector		
PAIRING	1 - Push button, tact-type, recessed		
PWR indicator	1 - LED, green		
LINK indicator	1 - LED, green		
HOST indicator	1 - LED, green		
SIGNAL indicator	1 - LED, green		
Temperature	Fahrenheit	Celsius	
Operating	32 to 122	0 to 50	
Storage	-20 to 70	-4 to 158	
Humidity			
Operating (BH)	20% to 80% (non-condensing)		
Storage (BH)	10% to $90%$ (non-condensing)		
Power			
Supply	24 V DC, 0.75 A		
Dimonsions	Inches	Millimatora	
	1 04 x 3 92 x 3 01	26 40 x 99 50 x 76 45	
	1.04 x 3.92 x 3.01	20.40 x 99.50 x 70.45	
Weight	Pounds	Kilograms	
Device	0.50	0.23	
Cortifications			
Device	CE ECC CB Bolls		
Device	02,100,00,000		
Warranty			
Device	To view the product warranty, use the following link: https://atlona.com/warranty		



