

IP to IR Command Converter for Velocity Control System AT-VCC-IR3-KIT



The Atlona AT-VCC-IR3-KIT is an accessory for the Atlona Velocity[™] Control System that provides conversion from IP control commands to IR. This Velocity Control Converter is very compact and can be placed anywhere a device requires IR control. The VCC-IR3-KIT is remotely powered through Power over Ethernet (PoE), or locally from a USB power source. The primary unit installs onto any surface via a convenient mounting dock. A simple "click" locks it into place for a secure, reliable installation. The IR adapter module includes three IR emitters attached by a 3.5mm cable. Each emitter is independently addressable, allowing discrete IR control of three different AV devices.

Package Contents

1 x AT-VCC 1 x AT-VCC-IR3

Operating Notes

- The Velocity Command Converter must be on the same network as the Velocity Gateway (AT-VGW-HW) or it will be unable to sync for control.
- The AT-VCC-IR3-KIT is PoE, to power the unit, simply plug it into a PoE compatible network switch. If the network switch is not PoE capable, a PoE injector (purchased separately) or USB can be used.
- All devices (AT-VCC, Velocity, AT-VTP, switchers, etc) should be set to static IPs or the DHCP IP address reserved for each individual device.



IMPORTANT: Velocity Gateway (AT-VGW-HW) must be set up before the AT-VCC-IR3-KIT is fully functional.



AT-VCC-IR3-KIT

Panel Description



5

2 Ethernet

Connect an Ethernet cable from this port to the same network as the Velocity Gateway.

USB 3

Can be used to power the VCC when PoE is unavailable. Requires 5V DC @ 250mA (not supplied).

port.

3.5mm Connector Connect the 3.5mm connector to the 3.5mm port of the VCC.

6 3 x IR Emitters Connect up to three 3.5mm IR receivers to the 3-3.5mm ports.

IP

1

The AT-VCC is set to DHCP by default. If the network does not support DHCP, it will automatically set the AT-VCC to the static IP of 192.168.1.70 after 30 seconds.

VHelp and webGUI

Velocity will find the VCC when scan network is used, but if the VCC needs to be set up off site first, the software VHelp can be used.

- 1 Connect the IR three emitter cable into the 3.5mm port on the unit.
- 2 Connect the AT-VCC to a network switch (PoE is best if a PoE switch is not available, a power injector or mini USB to USB cable may be used).
- 3 Download VHelp from the resource tab of https://atlona.com/product/AT-VCC-IR3-KIT.
- 4 Unzip the file to the local PC
- 5 Double-click the VHelp executable to open the program. Vhelp will start discovery as soon as the program is opened.



AT-VCC-IR3-KIT



vHelp	+		
etected Units			
Model	IP Address	MAC Address	
		Auto:	efresh
ing for units		Abo	A

Detected Units			
Model	IP Address	MAC Address	
AT-VCC	192.168.11.180 192.168.11.112	000C1E04EB 85968004EB	C7 BC
		🗹 Auto	refres

6 Double click on the VCC (to determine the correct one, look on the bottom of the VCC for the MAC address). The PC default browser will open to the AT-VCC webGUI.

	Velocity Command Converter Configuration		Q fleck	Network Settings	
Network Settings		0	OHCP Enabled		
Velocity Control Cable		0	Name	AT-VCC04EBC7)
			Save Changes		

- 7 Select Network Settings to open the IP configuration page.
- 8 Select the DHCP Enabled header, this will disable DHCP and allows IP settings to be edited.

Network Settings	
192.168.11.180	
255.255.255.0	
192.168.11.1	
(192.168.11.1	
0000	
AT-VCC04EBC7	
	Network Settings 192 198 11 100 269 259 259 0 192 198 11 3 192 198 11 3 0 0 0 Al VACOMEBC7

Type in the IP details to match the network details of the Gateway. e.g. If the Velocity gateway is located at the IP of 192.168.12.15, then the VCC should be set to an IP within the 192.168.12.XXX range that has not already been used.

10 Press the Save Changes button.



NOTE: Connecting the VCC to Velocity can only be done once Velocity has been set up. View the Velocity Manual for instructions.

- 11 Open any browser on the network and type in the IP address of Velocity.
- 12 Select the = button from the top left corner and select **Sites**.

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1 ± Technology	'				四 聪 +
	Sony TV 1	LG Blu Ray 1	Comcast Set Top Box 1	DirecTV Set Top Box 1	
	Ring - Display Shown	Proj	Pros	× B Free	





- 13 Select the building that corresponds with the room of the VCC.
- 14 Select the room the VCC is located in. A new screen will take over the window and display the technology in the room.
- 15 Select the + button located at the top right corner of the room. A new menu will open.

×	Technology (All)		CEO 📕	lı 🖽	* 0		82	*	Customer: Company Gateway: Gateway 1
Sean	th All Manufacturers	Search Equipment	0.6	AR					(Technology
105	All							~	\frown
di.	Audio							~	
5	Climate Control							~	
2	Control							~	
	Displays							~	
659	Game							~	Sense Lines
=	Miscellaneous							~	
Q	Lighting							~	AT-JUNO-451
۲	Security							~	192.168.11.24
	Teleconference							~	/ 0 8 🛛
t≡	Screens/Shades							~	Ping - Info - Identify
(EII)	Projectors							~	
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$\langle \cdot \rangle$	Networked (Unassigned)							~	-
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CL	EAR UNASSIGNED SCAN NETWORK	Analable Networks All Networks							201

- 16 Press the scan network button. All Atlona devices found will appear in the unassigned list.
- 17 Select the Add button next to the VCC. A new pop up will appear.

<··>	Networked (Unassigned)		^	Select your VCC Model
	Rooms:			Select Mode *
	1 0 0 - E	AT-OMNI-122 OmniStream Dual-Channel Networked AV Decoder192.168.11.170	Add Pinging	CLOSE ADD VCC TO ROOM
	Rooms:			Select your VCC Model
	-visitiv-	AT-VCC	Add	Salect Mode v
		Atlona Velocity Command Converter192.168.11.112	Pinging	VCR # Figor Address CLOSE ADD VCC TO ROOM

- 18 Select the VCC IR Triport (based on device/function) from the drop down menu.
- 19 Press the ADD VCC TO ROOM button. A VCC tile will appear in the room.





20 Select edit on the controlled device's tile. A new window will slide open.

	() 	ř	× Configure Equipment
DirecTV Set Top Box 1	LG Blu Ray 1	Sony TV 1	Skey TV Properties Asse: Scory TV 1 Command: Shoulds 0 ms Oblewing the full pair, 1 for new res.) 99 Control Type: IR IR

- 21 *Optional* If the device has multiple Control Types, select IR from the Control Type drop down menu.
- 22 Select the VCC from the IR Port drop down menu.

Control Type IR ~	Device	Zone
SAVE	Velocity Command Converter - IR TriPort 1	Port: 1 Port: 2
Sony TV Video Input Connections	Velocity Command Converter - IR TriPort 1	Port: 3

23 *Optional* Repeat for up to three devices when using the VCC triport.



The VCC is ready to use and will pass any commands triggered from the control screen.



IR Learning

The VCC IR has the ability to learn IR codes from a device's IR remote. Create equipment with IR control easier and without manually entering a list of IR command using the IR remote control with the VCC IR.

- 1 Open the Equipment List using the left ≡ navigation. A new screen will open.
- 2 Create a device to be added to the room. A new screen will open.
 - a Select the + button at the bottom of the page to create a new device.
 - b Search for and duplicate an existing similar driver to be edited.



3 Fill in the device information (e.g. Name, manufacturer, etc).

NOTE: If creating a new device the other tabs will need to be filled. Follow the directions within the Equipment section of the Velocity manual.

		velocit	y				
Equipment Modify	List » Modify Ree	cord					
	VIDEO IN VI	DED OUT AUDIO IN	() Tuo oidua	IMAGES	COMMANDS	CERTIFY	
	Device Info:						
	*Name LG Blu Ray (Copy)						
	* Manufacturer:	Lg	v	•			
	Name long						

11 Select the commands tab from the top navigation.

Equipr	nent Modify	List » Moo	lify Record					
() INFO		VIDEO IN	VIDEO OUT	III AUGUA	() TUO OIDLA	MAGES	COMMANDS	CERTIFY
	Commands:						\smile	
	HDX + Learn Device	None	VIDEO RE	EMOTE			IR	
	** Add Commands **							
	NEW COMMAND		Protocol 1	fermination: none	CLEAR COMMANDS	COPY FROM TCP	COPY FROM RS	
	Driver SDK Editor:							
	DRIVER EDITOR							
	SAVE CHANGES							



Equipment Modify List » Modify Record

() INFO	CONNECTIONS	VIDEO IN	VIDEO OUT	a la AUDIO IN	●) AUDIO OUT	IMAGES	COMMANDS	CERTIFY
	Commands:							
	HEX * Learn Device: No	ne v	VIDEO REMOTE				IR	
	** Add Commands **	ne 2.168.11.201:4998						
							\$	
	NEW COMMAND			Protocol Te	mination: none * CL	EAR COMMANDS COPY		
	Univer SUK Editor:							
	DRIVER EDITOR							
	SAVE CHANGES							

12 Select the IP of the VCC IR from the Learn Device drop down menu.

Equipme	ent Modify List	» Modify Record						
© INFO	CONNECTIONS	VIDEO IN	VIDEO OUT	ili AUDIO IN	4) AUDIO OUT	IMAGES	COMMANDS	CERTIFY
	Commands:							
	HEX * Learn Device: 1	92.168.11.201:4998 *	VIDEO REMOTE				IR	
	** Add Commands **							
	NEW COMMAND			Protocol Ter	mination: none + C	LEAR COMMANDS COP	Y FROM TCP COPY FROM RS	
	Driver SDK Editor:							
	DRIVER EDITOR							
	SAVE CHANGES							

13 Press the NEW COMMAND button. A new line will appear above the button.

NOTE: If a device was duplicated, remove all the previous commands using the delete link.

quipinei	List	 Modify Record 						-	
(j) INFO	CONNECTIONS	VIDEO IN	VIDEO OUT	JI AUDIO IN	AUDIO OUT	IMAGES	CON	III IMANDS	CERTIFY
	Companyate								
	HEX * Learn Device: 1	92.168.11.201:4998 •	VIDEO REMOTE					IR	
	Command Name		Command S	yntax (IR)		Delete	Learn	Test	
	Command Name		Comman	l Syntax		Delete	Learn	Test	
	NEW COMMAND			Protocol Te	mination: none • CL	EAR COMMANDS CO	PY FROM TCP	COPY FROM RS	
	Driver SDK Editor:								
	DRIVER EDITOR								
	SAVE CHANGES								

14 Fill in the command name of the button to be learned.

(j) INFO	CONNECTIONS	VIDEO IN	VIDEO OUT	II AUDIO IN	▲) AUDIO OUT	IMAGES	cor	III AMANDS	CERTIF
	Commands:								
	HEX * Learn Device: 19	12.168.11.201:4998 *	VIDEO REMOTE					IR	
	Command Name		Command S	mtax (IR)		Delete	Learn	Test	



15 Select the learn link. An information pop up will appear. Press OK.



16 Point the device's IR remote at the IR learn window located halfway down the VCC and press the button to be learned.



NOTE: Use quick button presses to learn, do not hold the button down.

- 17 When the command is successfully learned, a pop up will appear with the learned IR command.
 - a Press ACCEPT to return to the commands.
 - b If there is an IR Emitter connected, press **TEST IR** to broadcast the command to the device to verify the command works. Press **ACCEPT** once done testing.



18 The command will appear in the Command Syntax field. Repeat the IR learn process until all needed commands are learned.

() INFO		VIDEO IN	VIDEO OUT	ili Audio in	Description	IMAGES	COMMANDS	CERTIFY
	Commands:	102 168 11 242 4008					10	
	Command Name PWON		Command Sy 1.21.21.64.21	ntax (IR) .64,21,21,21,64,21,16	82,172,172,21,21,21,3703	Delete L	earn Test	
	NEW COMMAND		Protocol Termin	nation: none +	CLEAR COMMANDS	COPY FROM TO	P COPY FROM RS	
	DRIVER EDITOR							
	SAVE CHANGES							

19 Press the save changes button.



Firmware Update

To update the VCC the most recent vHelp software will be needed. The vHelp has the firmware built into the software and will automatically detect if the VCC is on the most recent firmware.

- 1 Connect the AT-VCC to a network switch (PoE is best if a PoE switch is not available, a power injector or mini USB to USB cable may be used).
- 2 Download VHelp from the resource tab of https://atlona.com/product/AT-VCC-IR3-KIT.
- 3 Unzip the file to the local PC
- 4 Double-click the VHelp executable to open the program. Vhelp will start discovery as soon as the program is opened.
- 5 Once the unit is found, if it is out of date an exclamation mark will display next to it. Right click to open the drop down menu.
- 6 Select Update from the drop down list. A new pop up will appear.



- 7 Press the Next button to start the update. The progress bar will cycle through green. This process can take up to 2 minutes.
- 8 Once the update is complete, press Exit. The unit will now show a green check mark next to it to show the unit is up to date.

🗞 vHelp – 🗆 X	🛇 vhelp – 🗆 X	- 🗆 ×
Detected Units	Detected Units	
Model IP Address MAC Address	Model IP Address MAC Address Address Address Address	Address MAC Address
AT-VCC 10.1.0.7 B898B005E041		1.0.7 B898B005E041
📀 – 🗆 ×	📀 – 🗆 X	
Updating Please do not disconnect a unit while it is being updated. Updates may take several minutes.	Updating Please do not disconnect a unit while it is being updated. Updates may take several minutes.	
710-3000-21 Firmware Upgrade Progress	710-3000-21 Firmware Upgrade Progress	
Model: AT-VCC	Model: AT-VCC	
Current Version: 710-3000-21	Current Version: 710-3000-21	
MAC Address: B898B005E041	MAC Address: B830BU05E041	
Uploading webpages Exit Next >	Update complete. Exit Next >	
Auto refresh Refresh	Auto refresh Refresh	Auto refresh Refresh
Packet received from 10.1.0.7 About	Packet received from 10.1.0.7 About Packet received from 10.1.0.7	About



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Atlona warrants its products will substantially perform to their published specifications and will be free from defects in materials and workmanship under normal use, conditions and service.

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products to their proper operating condition and return defective products free of any
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OR

 replace and return, free of charge, any defective products with direct replacement or with similar products deemed by Atlona to perform substantially the same function as the original products.

OR

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Atlona Limited Product Warranty Period begins on the date of purchase by the end-purchaser. The date contained on the end-purchaser 's sales or delivery receipt is the proof purchase date.

Limited Product Warranty Terms – New Products

- 10 years from proof of purchase date for hardware/electronics products purchased on or after June 1, 2013.
- 3 years from proof of purchase date for hardware/electronics products purchased before June 1, 2013.
- Lifetime Limited Product Warranty for all cable products.

Limited Product Warranty Terms – Refurbished (B-Stock) Products and Discontinued Products

• 3 years from proof of purchase date for all Refurbished (B-Stock) and Discontinued hardware and electronic products purchased on or after June 1, 2013.



Atlona, Inc. ("Atlona") Limited Product Warranty Cont.

Remedy

Atlona recommends that end-purchasers contact their authorized Atlona dealer or reseller from whom they purchased their products. Atlona can also be contacted directly. Visit www.atlona. com for Atlona's contact information and hours of operation. Atlona requires that a dated sales or delivery receipt from an authorized dealer, reseller or end-purchaser is provided before Atlona extends its warranty services. Additionally, a return merchandise authorization (RMA) and/or case number, is required to be obtained from Atlona in advance of returns.

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 attempted by anyone unauthorized by Atlona to make such repairs, or any other cause
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Version

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