

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



The Atlona AT-VCC-IR-KIT is an accessory for the Atlona Velocity<sup>™</sup> 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-IR-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 3.5 mm ports for connecting the AT-VCC-IR-EMT emitters. Each port is independently addressable, allowing discrete IR control of three different AV devices.

# **Package Contents**

1 x AT-VCC 1 x AT-VCC-IR

# **Operating Notes**

- The Velocity Command Converter must be on the same network as the Velocity Gateway (AT-VGW-250) or it will be unable to sync for control.
- The AT-VCC-IR-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-250) must be set up before the AT-VCC-IR-KIT is fully functional.



# Panel Description



#### 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).

optional IR emitter - AT-VCC-IR-EMIT (purchasable through atlona.com).

5 3.5mm Connector Connect the 3.5mm connector to the 3.5mm port of the VCC.

### 3 x 3.5mm Ports 6 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.

- Connect the IR tri-port or IR emitter into the 3.5mm port on the unit. 1
- 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 http://atlona.com/AT-VCC-IR-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-IR-KIT



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Model	IP Address	MAC Address	
		🗹 Auto n	fresh
no for units		About	

	+			
Detected Units				
Model	IP Address	MAC	ddress	
AT-VCC	192.168.11.180 192.168.11.112	0000 B896	1E04EBI	27 80
			Auto	refre

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           250:250:00           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1           192:198.11.1

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	'				Ga ≌ +
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	Sony TV 1	LG Blu Ray 1	Conneast Set Top Box 1	DirecTV Set Top Box 1	





- 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.

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2	Control							~	
	Displays							~	
659	Game							~	Sense Lines
=	Miscellaneous							~	
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CL	SAR 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:	AT-OMNI-122 OmniStream Dual-Channel Networked AV Decoder192.168.11.170	Add Pinging	5445 Mode • • • • • • • • • • • • • • • • • • •
	Rooms:	AT-VCC Ationa Velocity Command Converter192.168.11.112	Add Pinging 🔋	Select your VCC Model

- 18 Select the VCC IR or 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.

	Velocity Command Converter - IR Adeas Velocity Command Converter IR Mode		Velocity Command Converter - IR TriPort Adona Velocity Command Converter - IR TriPort
Velocity Command Convertor - III Properties	19	Velocity Command Converter - III Trilbust Properties	10
A535		Alad	
Command Throttle		Command Thothe	
0 ms		0 ms	
Control Type: TCP		Contral Type: TCP	
P-Advant 102-340-31-312		P Addenii 102 340 11 332	
		100.100.11.10.	
Redundant IP Address		Redundant IP Address	
Det Norder		Det Navler	
4998		4998	
		Parallel Concern & Manufacture	



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

	6	Ť	X Configure Equipment
DirecTV Set Top Box 1	LG Blu Ray 1	Sony TV 1	Bory TV Properties Alter Sony TV 1 Community Floating Othering Eller for regist, 1 for read-res.) 99 Commit Float IR Eller Eller

- 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.

Equip	ment Modify	List » Moo	lify Record					
() INFO	CONNECTIONS	UIDEO IN	VIDEO OUT	I <b>I</b> I AUGUA	•D AUDO OIDLA	MAGES	COMMANDS	✓ CERTIFY
	Commands						$\smile$	
	HDX + Learn Device:	None	VIDEO RE	емоте			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		VIDEO IN	VIDEO OUT	AUDIO IN	AUDIO OUT	IMAGES	COMMANDS	CERTIFY
	Commands:							
	HEX * Learn Device: N	ione •	VIDEO REMOTE				IR	
	* Add Commands **	one 92.168.11.201:4998						
	NEW COMMAND			Protocol Ter	mination: none * C	LEAR COMMANDS COPY		
	Xiver SUK Editor:							
	DRIVER EDITOR							

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

Equipme	ent Modify List	» Modify Record						
(i) INFO	CONNECTIONS	VIDEO IN	VIDEO OUT	<b>ili</b> 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.

Equipmen	IT MODITY List » I	Modify Record							
© INFO		VIDEO IN	VIDEO OUT	<b>III</b> AUDIO IN	AUDIO OUT	IMAGES	сомм	) ANDS	CERTIFY
	Commands:								
	HEX * Learn Device: 192.1	68.11.201:4998 •	VIDEO REMOTE					IR	
c	Command Name		Command S	ntax (IR)		Delete	Learn Test		
	Command Name		Command	Syntax		Delete	Learn	Test	
	NEW COMMAND			Protocol Te	rmination: none + CLE	EAR COMMANDS COPY	FROM TCP	COPY FROM RS	
D	Iniver 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	<b>II</b> AUDIO IN	<b>▲)</b> AUDIO OUT	IMAGES	cor		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	<b>ili</b> 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.



Notes



Notes



Notes



Version 3



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