

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[™] 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

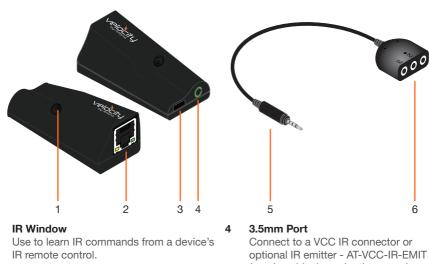
- The Velocity Command Converter must be on the same network as the Velocity Gateway (AT-VGW-250) or it will be unable to sync for control.
- The AT-VCC-IR-KIT is PoE, to power the unit, simply plug it into a PoE compatible network switch. If the network switch is not PoE capable, a PoE injector (purchased 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.

3 USB

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

(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.

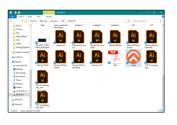
VHelp and webGUI

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 AT-VCC to a network switch (PoE is best if a PoE switch is not available, a 1 power injector or mini USB to USB cable may be used).
- 2 Download VHelp from the resource tab of http://atlona.com/AT-VCC-IR-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.



AT-VCC-IR-KIT



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Detected Units				Del
Model	IP Address	MAC Address		
		Auto :	efresh	
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	•			
Netected Units				
Model	IP Address	MAC	Address	
 AT-VCC AT-VCC 	192 168 11.180 192 168 11.112		21E04E8C	
			Auto	ales
			M Auto	

5. 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.

NOTE: It is best to use the webGUI to set up the static IP only, as set up in Velocity will override any settings selected in the VCC page of the webGUI.

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

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

() Back	Network Settings	
DHCP Disabled		
IP Address:	192.168.11.180	
Subnet Mask:	255 255 255 0	
Gateway.	(192.168.11.1	
Primary DNS Server:	(192.168.11.1	
Secondary DNS Server:	0.0.0	
Name:	AT-VCC04EBC7	

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.



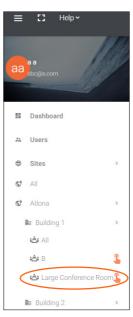
Installation and Set Up



NOTE: Installation of the Velocity Command Converter can only be done after the VGW-250 has been set up. View the AT-VGW-250 Installation Guide and Velocity Manual for instructions.

- 1 Connect the IR tri-port or IR emitter into the 3.5mm port on the unit.
- 2 Connect the Ethernet connector into the front port of the VCC.
 - a If the Ethernet cable is connected to a non PoE switch, use a PoE injector (purchased separately) or a mini USB to USB cable to a USB port on a wall port or device that supports USB power.
- 3 Open any browser on the network and type in the IP addres s of Velocity.
- 4 Select the = button from the top left corner and select **Sites**.





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

		(+
Disconnected	6	



Technology (All) Customer: Company Cotoway Gateway 1 Search CLEAR 105 de Audio Sclimate Control ~ 2. Control Displays Garne Garne Miscellaneous v Q Lighting × Security Teleconfe 8 ÷ tΞ Screens/Shi ~ Projectors ~ Sources . Video Distribu ~ ~

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

()	Networked (Room Assigned)		v .	Select your VCC Model
<··>	Networked (Unassigned)		^	Select Mode +
	Rooms:			
		AT-OMNI-122 OmniStream Dual-Channel Networked AV Decoder192.168.11.170	Add Pinging	CLOSE Just vot 19 Hook
	Rooms:			delet job voo motel
	velatur	AT-VCC Atlona Velocity Command Converter192.168.11.112	Add Pinging	Bint Mole • VVC III • VVC III • VVC III • VVC IIII • VVC IIIIII • VVC IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	Rooms:			
	0	AT-OMNI-111 OmniStream Single Channel Networked AV Encoder192.168.11.202	Add Pinging	
сц	EAR UNASSIGNED SCAN N	Available Networks All Networks		

11 Select the correct mode for the VCC.

NOTE: AT-VCC-IR has two modes to select from: VCC IR and VCC IR Triport. Select the mode based on what function/device will be used.

× Configure Equipmen					× Configure Equipmen		
	100	Velocity Command Converter - IR Adors Velocity Command Converter IR Mode			-		Velocity Command Converter TriPort Adona Velocity Command Converter - 1
Velocity Command Converter - III Prope	ries		19 -		Velocity Command Converser - IR TriPo	t. Properties	
Alas					Alas		
Command Throttle 0	ms				Command Thottle 0	ma	
Control Type: TCP					Control Type: TCP		
192.168.11.112					192.168.11.112		
Redundant IP Address					Redundant IP Address		
Part Namber 4998					Put Number 4998		
Enable Device Authentication					Enable Device Authentication		
SAVE					SAVE		



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..

	velocity	4
Equipment Modify	List » Modify Record	
	🗑 🗖 tit 🐠 🖪 📵 🗸	
	Exerce Info *here LG Bio Ray (Cop)	
	Private Europerant Dely For This Account	

11 Select the commands tab from the top navigation.

Equip	ment Modify	List » Moo	lify Record					
() INFO		VIDEO IN	VIDEO OUT	I I: NI Oldua	()• TUO CIDUA		COMMANDS	CERTIFY
	Commands:							
	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:							
	DRWER EDITOR							
	SAVE CHANGES							



Equipment Modify List * Modify Rec

(i) INFO		VIDEO IN	VIDEO OUT	ili Au oidua	AUDIO OUT	IMAGES	COMMANDS	CERTIFY
9	Commands:							
	HEX * Learn Device: No		VIDEO REMOTE				IR	
•	** Add Commands **	xte 2.168.11.201:4998						
							\$	
	NEW COMMAND			Protocol Te	rmination: none * C	LEAR COMMANDS COPI	FROM TCP COPY FROM RS	
1	Driver SDK Editor:							
1	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		VIDEO IN	VIDEO OUT	ili AUDIO IN	4) AUDIO OUT	IMAGES	E COMMANDS	CERTIFY
	Commands.							
	HEX * Learn Device:	92.168.11.201.4998 *	VIDEO REMOTE				IR	
	** Add Commands **						:	
	NEW COMMAND			Protocol Te	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.

(i) INFO	CONNECTIONS	VIDEO IN	TUD OJGIV	AUDIO IN	AUDIO OUT	IMAGES		MANDS	CERTI
	Commands:								
	HEX * Learn Device: 19	2.168.11.201:4998 •	VIDEO REMOTE					IR	
	Command Name		Command	Syntax (IR)		Delete	Learn	Test	
	Command Name		Comman	d Syntax		Delete	Learn	Test	
								-	
	NEW COMMAND			Protocol Te	ermination: none • CLI	EAR COMMANDS COP	Y FROM TCP	COPY FROM RS	
	Driver SDK Editor:								
	DRIVER EDITOR								
	biarch conton								

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

() INFO	CONNECTIONS	VIDEO IN	VIDEO OUT	ili Audio in	NO OIDUA	IMAGES		IMANDS	CERTI
	Commands.								
	HEX * Learn Device: 1	92.168.11.201.4998 •	VIDEO REMOTE					IR	
	Command Name		Command Sy	ntax (IR)		Delete	Learn	Test	
	PWON		Command 1			Delete	Learn	Test	



ок

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

Information

Do not press and hold the remote button to learn. Quick remote button taps are more effective in learning IR commands.

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.



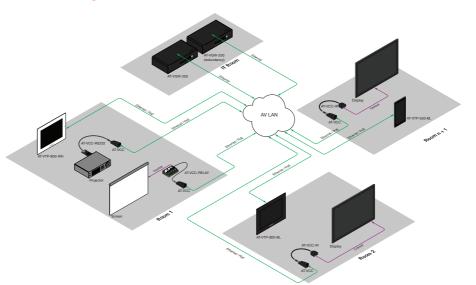
18 The command will appear in the Command Syntax field. Repeat the IR learn process until all needed commands are learned.

() INFO		VIDEO IN	VIDEO OUT	audio in	NUDIO OUT	IMAGES	COMMAND:	s	CERTIFY
	Commands:								
	HEX • Learn Device:	192.168.11.242.4998	VIDEO REMOTI	E				IR	
	Command Name		Command Sy		2,172,172,21,21,21,3703	Delete Delete	Learn Test		
	PWUN		1,21,21,64,21	,64,21,21,21,64,21,16	52,172,172,21,21,21,3703				
	NEW COMMAND		Protocol Termin	nation: none +	CLEAR COMMANDS	COPY FROM	TCP COPY FR	OM RS	
	Driver SDK Editor:							-	
	DRIVER EDITOR								
	SAVE CHANGES								

19 Press the save changes button.



Connection Diagram





Notes:



Notes:



Version 2



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