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

| 1 | 2 | 3 | 4 | 5 | 6 |
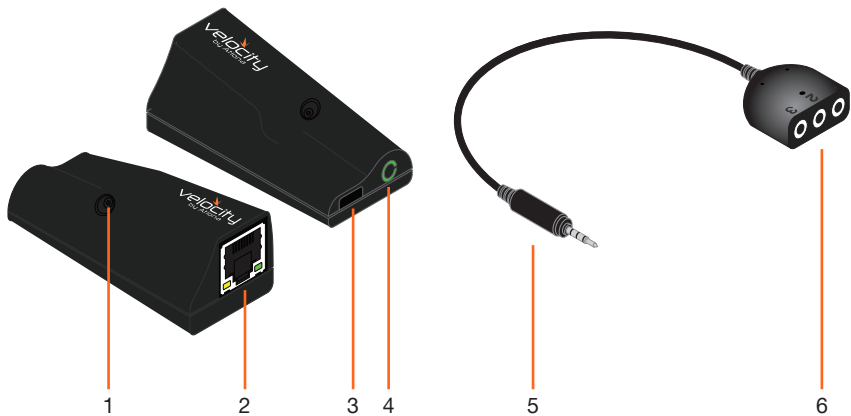
1   IR Window
Use to learn IR commands from a device's IR remote control.

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).

4   3.5mm Port
Connect to a VCC IR connector or 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.

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

IP

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 tri-port or IR emitter 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 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.
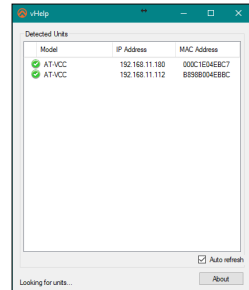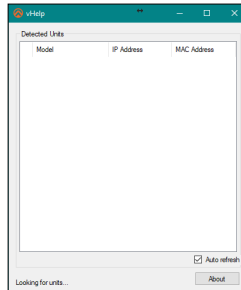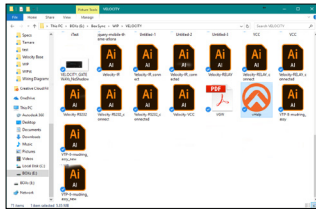
6   Double click on the VCC (to determine the correct one, look on the bottom of the VCC for the MAC address). The PC default browser will open to the AT-VCC webGUI.
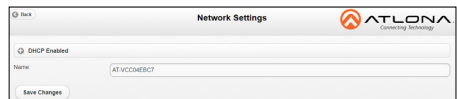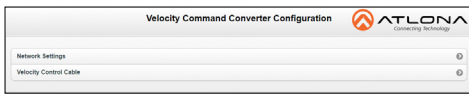
7   Select Network Settings to open the IP configuration page.

8   Select the DHCP Enabled header, this will disable DHCP and allows IP settings to be edited.
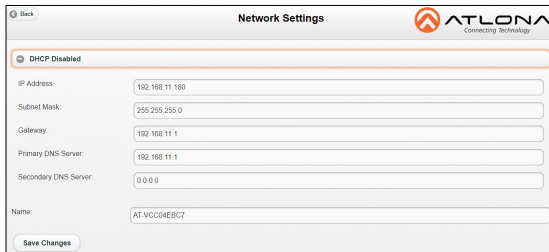

9   Type in the IP details to match the network details of the Gateway. e.g. If the Velocity gateway is located at the IP of 192.168.12.15, then the VCC should be set to an IP within the 192.168.12.XXX range that has not already been used.

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**.
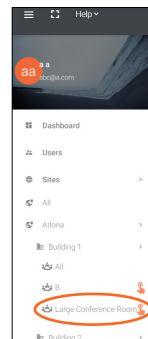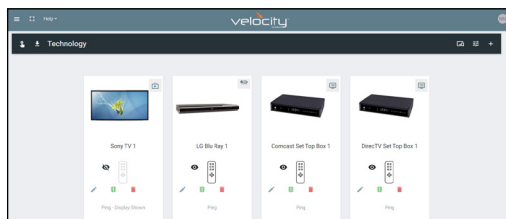
13   Select the building that corresponds with the room of the VCC.

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.
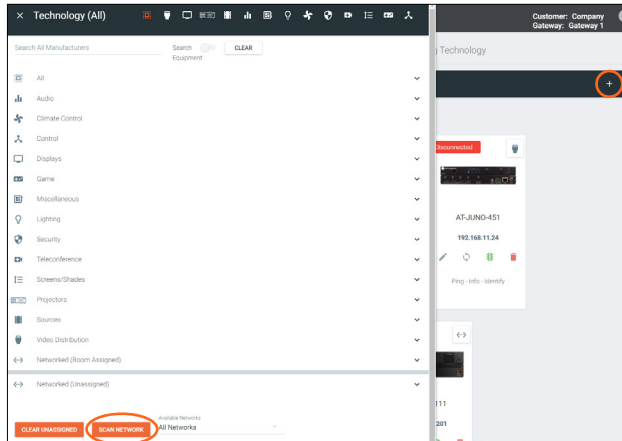
16   Press the scan network button. All Atlona devices found will appear in the unassigned list.

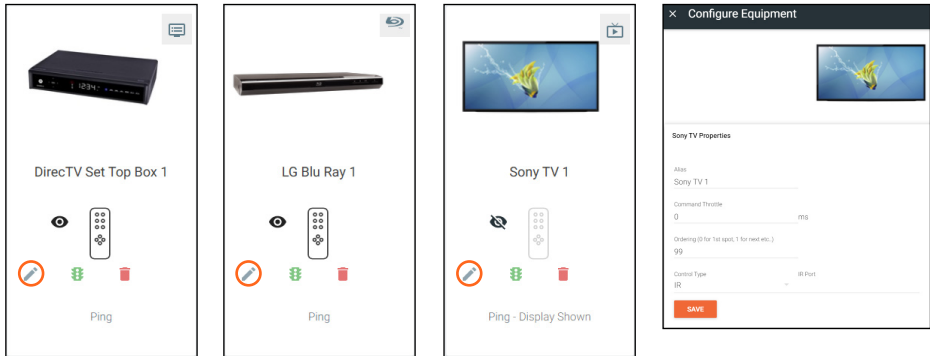17   Select the Add button next to the VCC. A new pop up will appear.
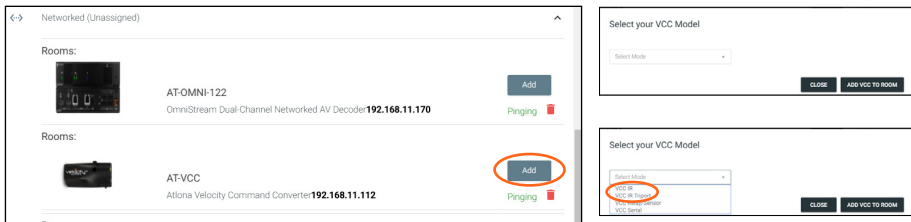
18   Select the **VCC IR** or **VCC IR Triport** (based on device/function) from the drop down menu.

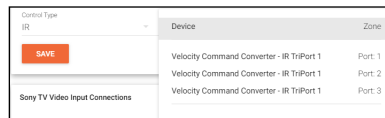19   Press the **ADD VCC TO ROOM** button. A VCC tile will appear in the room.
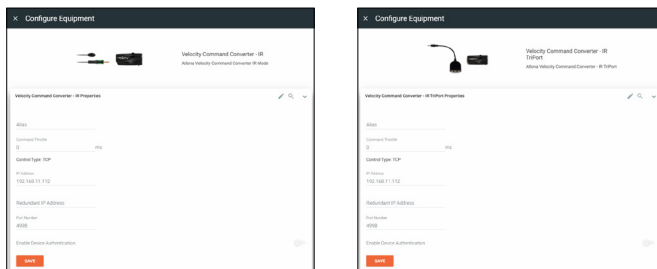
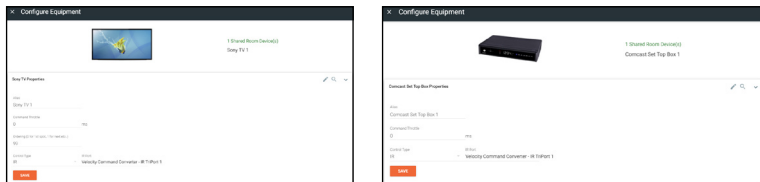20 Select edit on the controlled device's tile. A new window will slide open.

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.

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.
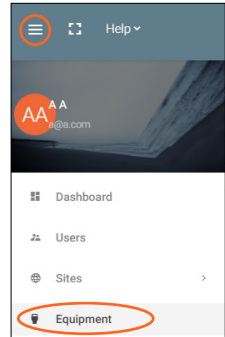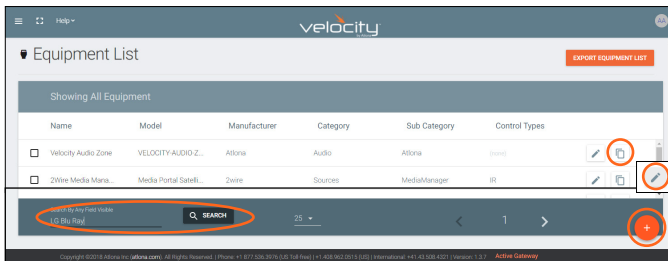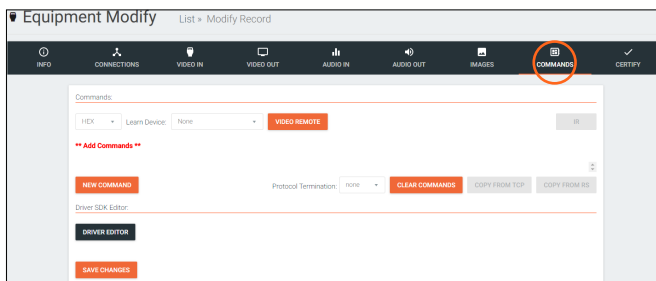

3   Fill in the device information (e.g. Name, manufacturer, etc).

> **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..
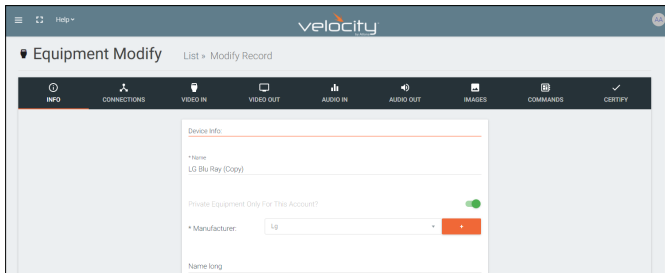
11   Select the commands tab from the top navigation.

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

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.

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

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.

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.

IR Learning Result

The command Butter was successfully read by the IR reciever with the command:

sendir,1:1,16,38004,1,1,342,170,22,21,22,21,22,64,22,21,22,21,22,21,22,64,22,21,22,64,22,64,22,21,22,64,22,64,22,21,22,64,22,64,22,21,22,64,22,64,22,21,22,21,22,64,22,21,22,21,22,21,22,21,22,21,22,64,22,21,22,21,22,64,22,64,22,64,22,21,1487,342,85,22,3630,342,85,22,3800

Please click learn again on another command to learn another

TEST IR   ACCEPT

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

| INFO | CONNECTIONS | VIDEO IN | VIDEO OUT | AUDIO IN | AUDIO OUT | IMAGES | COMMANDS | CERTIFY |

Commands:

HEX   Learn Device: 192.168.11.242:4998   VIDEO REMOTE   IR

Command Name   Command Syntax (IR)   Delete   Learn   Test

PWON   1,21,21,64,21,64,21,21,21,64,21,1682,172,172,21,21,21,3703   Delete   Learn   Test

NEW COMMAND   Protocol Termination: none   CLEAR COMMANDS   COPY FROM TCP   COPY FROM RS

Driver SDK Editor:

DRIVER EDITOR

SAVE CHANGES

19   Press the save changes button.

Notes

Notes

Notes

Version 3