# **ClearOne**

# CONVERGE<sup>®</sup> Pro 2 BMA Mute Sync with Cisco<sup>®</sup> Room Kit

The Mute Sync feature synchronizes the ClearOne BMA mute status with the Cisco Room Kit microphone mute status. It supports the simultaneous use of multiple BMA devices on a single P-Link chain connected to a CONVERGE Pro 2 (CP2).

# ClearOne CONVERGE Devices that Support Cisco Room Kit Mute Sync

- CP2 v8.3.x.x (or later)
- BMA 360 v1.0.5.3 (or later)
- BMA CT v1.1.0.8 (or later)
- BMA 2 v1.0.4.5 (or later)
- CONSOLE AI v7.4.x.x (or later)

## USB to RS-232 Adapter

To connect the Cisco Codec and the CONVERGE Pro 2, a USB to RS-232 adapter is needed. The adapter must have a USB 2.0 Type A connector on one end and a DB9 male connector on the other end.

An example is the TRENDnet® TU-S9 USB toSerial Converter.

## **Hardware Connections**

One CP2 can support any combination of BMA 360, BMA CT, and BMA 2, with a maximum of three of each type on the P-Link chain.

Figure 1 below indicates the connections.



Figure 1. Connections for CP2 BMA Mute Sync with Cisco Room Kit

#### **Related Information**

- CONVERGE Pro 2
- BMA 360
- BMA CT
- CONSOLE AI Software Download

# Enabling Mute Sync Support on the Cisco Room Kit

The default setting for Support for third-party USB input devices is **disabled**.

The following settings in the Cisco Room Kit enable support for the USB to RS-232 adapter:

- Peripherals > InputDevice > Mode: On
- Control Systems: 1
- LoginRequired: Off

#### Example Web Browser\*

Using a web browser, enter the IP address of the Cisco codec. The default login is 'admin' with no password.

1. In the left panel, **select Settings** and **then Configurations > Peripherals**.

Cisco Webex Local Device Controls		Q Find page (2)			
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	Peripherals	(1)			

- 2. Change InputDevice > Mode to On.
- 3. Set ControlSystems to a value of 1.
- 4. Select Configurations > SerialPort.
- 5. Change LoginRequired to a value of Off.

Cisco Webex Local Device Controls				Q Find page	0 2
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\*Depending on whether or the Cisco codec is provisioned with Webex, a third-party, or not provisioned at all, the web page navigation for making the settings will vary. Refer to Cisco documentation for details.

# Enable Mute Sync Support on the CONVERGE Pro 2 System

In CONSOLE AI, open the Device Settings of the CP2 that is connected to the Cisco codec via the USB to RS-232 Adapter.

Check the Enable Cisco Mute Sync check box.

This setting change can be made to the project file offline and then loaded into the system, or made live while connected.

Device Settings			
Device Type:	CONVERGE Pro 2 12	SVTD	
Device Name:	128VTD_1	Serial Number:	
.ocate Timeout (minutes):	30 🗘		
Enable FTP	Warning: If FTP is di CONSOLE AI is throug	isabled, the only way to connect to the device with the USB panel.	
Enable Cisco Mute Sync	Warning: Enabling Cisco Mute Sync will take over the RS232 port and cannot be used for any other purpose.		
Serial Port Settings			
Baud Rate: 57600	-		

Figure 2. Enabling Cisco Mute Sync



#### Note the following:

- When Mute Sync is **enabled**, the system:
  - Sets the RS-232 baud rate to 115,200, n, 8, 1
  - Suspends normal operation of the RS-232 port the port can only sync with the Cisco codec.
- When Mute Sync is **disabled**, the system:
  - Returns the RS-232 port to the previous baud settings
  - Restores normal operation of the port.



## Audio Connections

Figure 3. Audio Connections

## **Verify Mute Sync**

To verify that Mute Sync is functional, complete the following steps:

- 1. On the Cisco Touch Panel screen, in the upper left, select the contact information.
- 2. Select "Settings", then select "Issues and diagnostics"
- 3. Select "Microphone check".

The system displays the Microphone page with an audio level meter for each of the three microphone inputs.

- 4. Ensure that the output of the CP2 is connected to one of the microphone inputs.
- 5. Verify that when you talk into the BMA, the microphone level meter moves accordingly.
- 6. In the lower-right of the touch panel (on the touch panel <u>case</u>, not the screen), **press** the physical "**Mute**" **button**. *The color of the button changes from green to red.*
- 7. Verify that the BMA LEDs have changed from blue to red.
- 8. Press the physical "Mute" button again to change it back to green.
- 9. Verify that the BMA LEDs have changed back to blue.

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