

CCS-UC-1 W/PS, CCS-UC-1-AV W/PS, CCS-UC-1-AV-PLUS

Crestron Mercury® Tabletop Unified Communications Conference System Solutions

The CCS-UC-1 W/PS, CCS-UC-1-AV W/PS, and CCS-UC-1-AV-PLUS are Unified Communications (UC) conference system solutions centered around the CCS-UC-1 UC tabletop console. The CCS-UC-1 W/PS provides audio conference capabilities while the CCS-UC-1-AV W/PS and CCS-UC-1-AV-PLUS add video capabilities to a conference room.

Check the Box

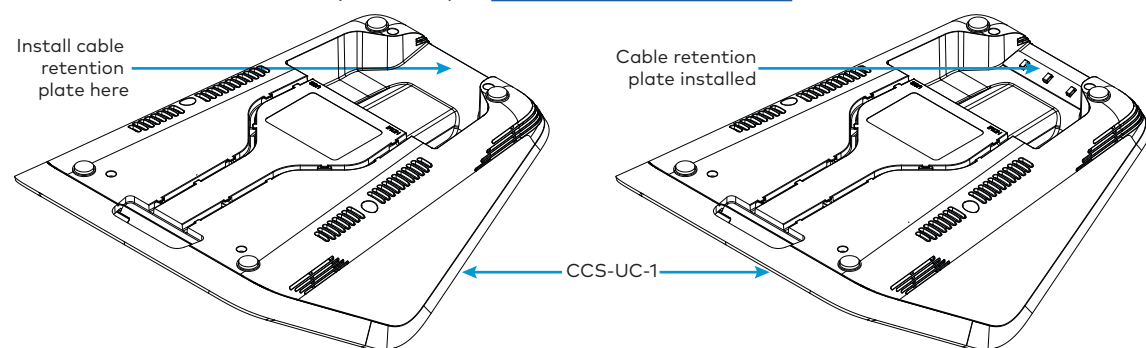
Item	Qty
CCS-UC-1 W/PS, CCS-UC-1-AV W/PS, or CCS-UC-1-AV-PLUS	1
CCS-UC-1 Crestron Mercury® tabletop UC audio conference console	1
Cable, CAT5e, RJ-45 Male - RJ-45 Male, 12 ft (3.66 m) (P/N 2033988)	1
Cable, USB 2.0, A - Micro B, 6 ft (1.83 m) (P/N 2047803)	1
Retention Plate, Cable (P/N 2047908)	1
Power Pack, PW-2420RU (P/N 6500187)	1
Tie Wrap (P/N 2047935)	3
CCS-UC-1-AV W/PS	
Cable, HDMI®, 6 ft (1.83 m), Thin, CBL-HD-THIN-HS-6 (P/N 6508218)	1
Cable, HDMI, 20 ft (6.10 m), CBL-HD-20 (P/N 6503567)	1
Cable, USB 2.0, A Female - A, 15 ft (4.57 m), CBL-USB-A-EXT-15 (P/N 6508260)	1
Camera, CCS-CAM-USB-F-100 (P/N 6506442)	1
IR Emitter Probe, STIRP (P/N 6500940)	1
CCS-UC-1-AV-PLUS	
Cable, HDMI, 6 ft (1.83 m), Thin, CBL-HD-THIN-HS-6 (P/N 6508218)	1
Cable, HDMI, 20 ft (6.10 m), CBL-HD-20 (P/N 6503567)	1
Cable, USB 2.0, A Female - A, 15 ft (4.57 m), CBL-USB-A-EXT-15 (P/N 6508260)	1
Camera, CCS-CAM-USB-F-300 (P/N 6510481)	1
IR Emitter Probe, STIRP (P/N 6500940)	1
4-Port USB 3.0 Hub w/USB Power Adapter, UC-HUB-USB (P/N 6510546)	1

Install the Cable Retention Plate

Remove the adhesive backing from the cable retention plate and install it as shown in the following diagram. The cable retention plate is designed to fit at the cable exit location at the rear of the chassis and provides three tie-down points for cables connected to the device.

CAUTION: When turning over the device, place the device on a soft surface to avoid damage.

NOTE: If the CCS-UCA-SMK swivel mount kit is to be used, use the cable retention bracket included with the CCS-UCA-SMK. For details, refer to the CCS-UCA-SMK DO Guide (Doc. 7882) at www.crestron.com/manuals.



NOTE: Before securing cables, ensure the cable retention plate is firmly attached.

Connect the Device

The CCS-UC-1 should be wired for its intended use. Refer to the following table to determine what is necessary for the specific installation.

Required Wiring	Scenario		
	General Wiring	Wiring with SMK	Zoom™ Conference Room
Route cables through swivel tube plate	No	Yes	Optional
Service loops	Yes	No	Yes
Cable Retention Plate	Yes	Yes	Yes

Feed Cables Through the Swivel Tube Plate (Installations with CCS-UCA-SMK only)

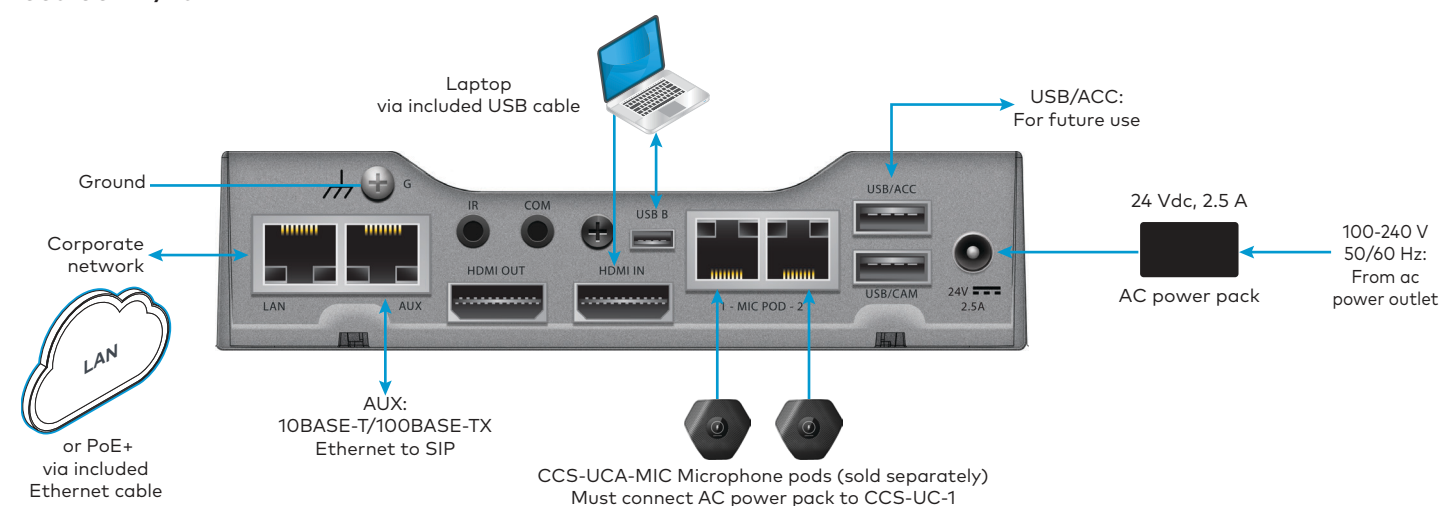
If the CCS-UCA-SMK swivel mount kit is used in the installation, refer to the CCS-UCA-SMK DO Guide (Doc. 7882).

NOTE: If the CBL-HD-THIN-HS-6, 6 ft HDMI input cable and the A - Micro B, 6 ft USB 2.0 cable are to be routed to the front of the CCS-UC-1, do not route the cables through the swivel tube plate.

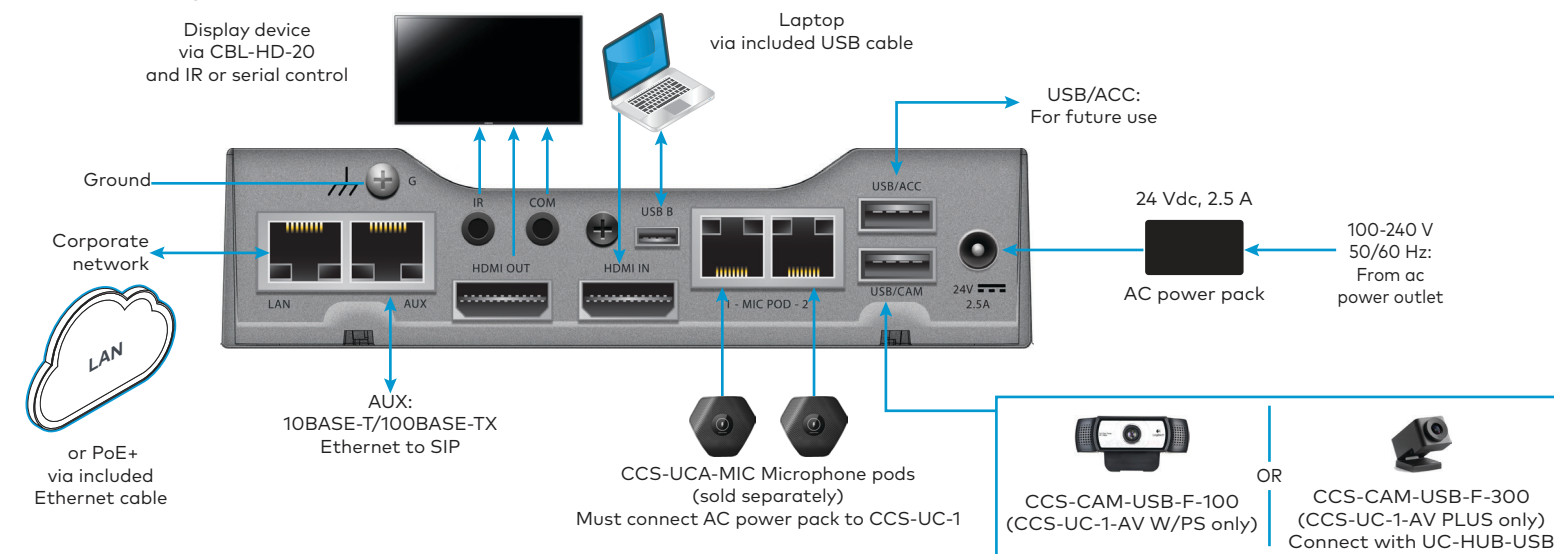
Hardware Hookup

When wiring the CCS-UC-1 to external devices, it is highly recommended to use the cables that ship with the device. Each kit ships with every cable needed for most rooms. The cables and accessories have been designed so that a service loop can be implemented prior to the cables leaving the chassis body of the device (if necessary). If an extension option is required, Crestron solutions should always be used and can be found under the MODELS & ACCESSORIES tab at www.crestron.com/products/model/CCS-UC-1.

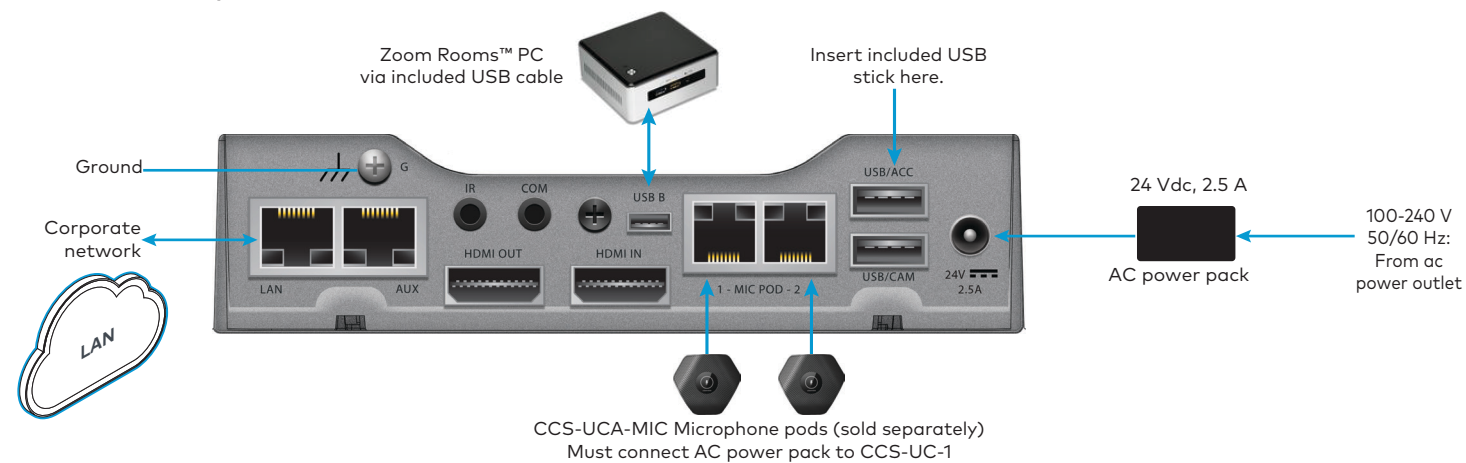
CCS-UC-1 W/PS



CCS-UC-1-AV W/PS and CCS-UC-1-AV-PLUS



Zoom Room Hookup

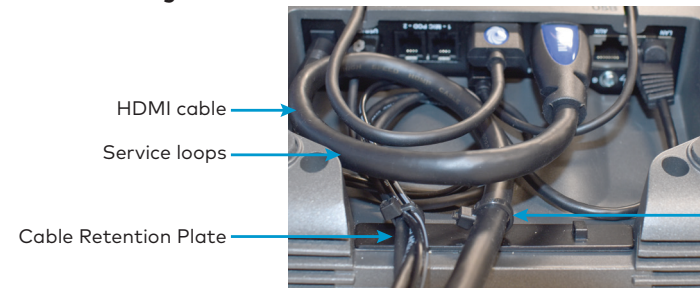


NOTE: Refer to the Zoom Room Kit Installation Guides (Docs 8229 and 8230) for hardware hookup details.

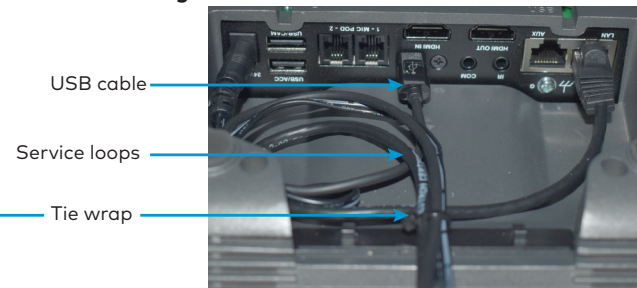
To make connections to the CCS-UC-1, perform the following procedure:

- (CCS-UC-1-AV W/PS and CCS-UC-1-AV-PLUS only) Connect the CBL-HD-20 cable to the HDMI OUT port. Use the provided tie wrap to secure this cable to the center position on the cable retention plate, leaving enough cable to allow for a 3-inch service loop. Refer to the following photo.

Standard Wiring



Zoom Wiring



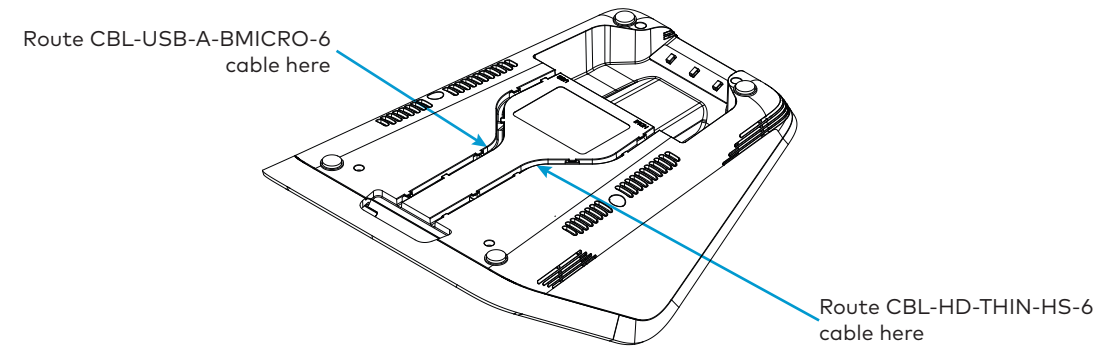
NOTE: If the CCS-UCA-SMK is used, connect the HDMI extension cable included with the CCS-UCA-SMK to the HDMI OUT port. Refer to the CCS-UCA-SMK DO Guide (Doc. 7882).

- Connect the Ethernet cable and the USB camera cable (CCS-UC-1-AV W/PS and CCS-UC-1-AV-PLUS only) to the LAN and USB/CAM ports respectively.

NOTES:

- If necessary, use the CBL-USB-A-EXT-15 extension cable to extend the connection to the camera.
- For the CCS-UC-1-AV-PLUS, connect the camera to the UC-HUB-USB, and connect the UC-HUB-USB to the USB/CAM port on the CCS-UC-1.

- Connect the CBL-USB-A-BMICRO-6 cable to the USB-B port, and insert it into the channel track labeled "USB" to route it to the front of the device. For details, refer to the following diagram.



- (CCS-UC-1-AV and CCS-UC-1-AV-PLUS only) Connect the CBL-HD-THIN-HS-6 cable to the HDMI IN port, and insert the cable into the channel track labeled "HDMI" to route it to the front of the device. Refer to the diagram in step 3.
- Bundle the Ethernet, USB camera (CCS-UC-1-AV and CCS-UC-1-AV-PLUS only), and the power supply cables together and use the provided tie wrap to secure the bundle to one of the two remaining outside positions on the cable retention plate, leaving enough cable to create a 2- to 3-inch service loop. Refer to the photo in step 1.

NOTES:

- If the system design dictates that the USB-B Laptop and HDMI Input cables should not exit through the front but at the rear with all other cables, the cables can be added to the same bundle with the other Ethernet/USB cables or they can be positioned together into their own bundle. Make sure to leave enough cable for a 2- to 3- inch service loop before exiting the rear of the device.
- If the CCS-UCA-SMK is used, do not create a service loop.

Power Supply

The CCS-UC-1 can receive power over PoE+ (IEEE 802.3at) or the PW-2420RU power pack. A standard PoE switch cannot provide sufficient power to the device.

The PW-2420RU power pack must be connected to the CCS-UC-1 if CCS-UCA-MIC microphone pods are to be used.

Observe the following when powering the CCS-UC-1 by PoE+:

- PoE-type networks connected to these ports are for intrabuilding use only and should not be connected to lines that run outside of the building in which this product is located.
- When powering the CCS-UC-1 with PoE+ (IEEE 802.3at), PoE+ switches that utilize Link Layer Discovery Protocol (LLDP) must have LLDP enabled. Please coordinate with the IT Administrator who manages network infrastructure at the customer site to make sure the PoE+ ports have LLDP enabled. For more information, refer to the CCS-UC-1 Supplemental Guide (Doc. 7844).

Configure the Device

For details on configuring the device, refer to the CCS-UC-1 Supplemental Guide (Doc. 7844).

For Additional Information

Scan or click the QR codes for detailed product information.



CCS-UC-1 W/PS



CCS-UC-1-AV W/PS



CCS-UC-1-AV-PLUS

HDMI

Compliance and Legal

As of the date of manufacture, the product has been tested and found to comply with specifications for CE marking.



Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

CAN ICES-3 (B)/NMB-3(B)

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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Specifications subject to change without notice.