

CCS-UC-1 Crestron Mercury® Tabletop Conference System

Supplemental Guide Crestron Electronics, Inc.







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CCS-UC-1: Crestron Mercury Tabletop Conference System

Introduction

The CCS-UC-1 Crestron Mercury[®] Conference Room System provides a single tabletop device that allows for room scheduling, presenting, conference calling, and video calling. For more information on features, capabilities, and specifications on the CCS-UC-1 and its accessories, visit <u>www.crestron.com/mercury</u>.

This supplemental guide discusses the requirements, configuration instructions, and operating instructions for the CCS-UC-1 in a variety of environments and applications. For information on installing the CCS-UC-1, refer to the CCS-UC-1 DO Guide (Doc. 7843) at www.crestron.com/manuals.

Requirements

Administrator

This document is written for use by a facility's Information Technology (IT) administrator. The IT administrator should have the following knowledge and skills:

- General Skills
 - IP Networking
 - Basic PC Operation and Administration
 - Basic Smartphone and Tablet Operation
 - VoIP system administration (including SIP device management)
 - Calendaring system administration (for Exchange connectivity)
- Crestron-specific skills
 - Crestron Fusion[®] software (if applicable)
 - Crestron XiO Cloud™ service

Operating Environment

NOTE: If the CCS-UC-1 is powered with PoE+ (IEEE 820.3at), 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 "Troubleshooting" on page 83.

The CCS-UC-1 requires the following to make the most of its capabilities.

- Crestron Fusion software
- SIP Server
- Microsoft Exchange Server® software

Accessories

The CCS-UC-1 offers a variety of accessories for a custom installation. Refer to the following websites for specifications and other information.

PRODUCT	PART NUMBER	WEBSITE
Camera	CCS-CAM-USB-F-100	<u>http://www.crestron.com/products/model/CCS-CAM- USB-F-100</u>
IR Emitter Probe	STIRP	http://www.crestron.com/products/model/STIRP
Microphone Pod	CCS-UCA-MIC	<u>http://www.crestron.com/products/model/CCS-UCA-</u> <u>MIC</u>
Power Pack	PW-2420RU	<u>http://www.crestron.com/products/model/PW-</u> 2420RU

Accessories for CCS-UC-1

Configuration

Requirements

Configuration requires a computer with web browser software. The CCS-UC-1 and computer must be connected to a commonly accessible network.

Connect to the Device

To connect to the device, follow this procedure:

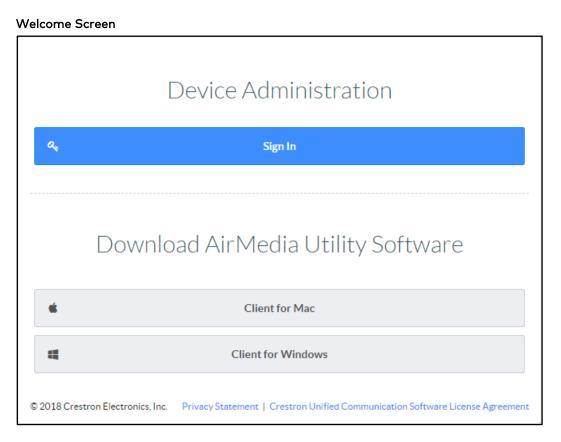
- 1. On the device, tap 🏠.
- 2. Press and hold **Help** for approximately 10 seconds to display the **System Info** screen.

System Info Screen

AVF 98539 12:0.		
System	m Info	\times
IP Address:	172.30.16.79	
Aux IP:	0.0.0.0	
Host Name:	MERCURY-00107F8B54DF	
Crestron Fusion Server Connection:	Offline	
Crestron Fusion Room Name:	AVF 98539	
MAC Address:	00:10:7f:8b:54:df	
Serial Number:	X 0128492	
Version Number:	1.3705.00028	
Phone Extension / SIP URI:	12604	
SIP Server:	Online	
SKYPE [®] Room:		
Added Licences:	AirMedia 🗹 HDMI	

The **System Info** screen lists the IP address, host name, and other system information.

- 3. Note the IP address or host name and tap X to close the **System Info** screen.
- 4. On the computer, open a web browser and navigate to the IP address or host name that was displayed on the **System Info** screen. The welcome screen is displayed.



5. Click **Sign In** to continue. A prompt for the user name and password is displayed.

NOTE: Prior to displaying the prompt for login credentials, the web browser may display a security warning message about the security certificate. It is safe to ignore this warning as long as the user verifies that the browser's address bar indicates the correct IP address or host name of the device.

6. Enter the default user name ("admin") and password ("admin"), and press **Enter** to continue. The device's **Status** screen is displayed.

Status Screen

CRESTRON		(2)
STATUS		
- HDMI INPUT	▼ General	
. HDMI OUTPUT	Model MERCURY	
	Firmware Version 1.3809.00015	
- APPSPACE	Serial Number X 0128492	
▼ . AVF	+ Show More	
System		
External		_
📮 Dialer 📑 Video Display	▼ Network	
Touch Screen and Display	Host Name MERCURY-00107F8B54DF	
Manage	Domain Name CRESTRON.CRESTRON.COM	
	DNS Servers 192.168.200.133(DHCP),192.168.200.134(DHCP)	
	Adapter 1	
	DHCP Enabled Yes	
	IP Address 172.30.16.43	
	Subnet Mask 255.255.0	
	Default Gateway 172.30.16.1	
	Link Active true	
	MAC Address 00.10.7f.8b.54.df	
	Adapter 2	
	DHCP Enabled Yes	
	IP Address 0.0.0	
	Subnet Mask 0.0.0	
	Default Gateway 0.0.0.0	
	Link Active false	
	MAC Address 00.10.7f8b.54.e0	
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The **Status** screen displays information about the device and allows configuration of the device's operating parameters:

- STATUS contains general information about the device and network information. Click Network to view network information. Click + Show More Details to view more details. Click - Show Less to view fewer details.
- HDMI INPUT configures the HDMI[®] input.
- HDMI OUTPUT displays information about the HDMI output.
- **NETWORK** configures the device for operation in a network environment.

- **DEVICE** is used to upload firmware, reboot the device, view the system log, enable connection to Crestron XiO Cloud service, configure SIP calling parameters, set the date and time, configure for use with Skype® for Business software, authentication management, and setting the device to work with Zoom Rooms[™] software.
- **APPSPACE** is used to configure the device to work with the Appspace[®] content management application for digital signage.
- AVF configures the settings for Crestron Fusion integration, power management, dialing features, video display, touch screen and display functionality, and system logs.
- **AIRMEDIA** configures the device's AirMedia® presentation gateway functionality.

Log Out from the Device

To log out from the device and return to the welcome screen, click 💁.

Configure the Device

Configure the device as required for the installation.

HDMI INPUT

Click **HDMI INPUT** to configure the HDMI input. The screen displays a selector for HDCP support, Extended Display Identification Data (EDID) profile selection, and information about the input signal (if present).

HDMI INPUT Screen

CRESTRON.	٩
STATUS HDMI INPUT HDMI OUTPUT NETWORK DEVICE APPSPACE	General Settings HDMI Input Enable HDCP Support Enable
✓ . AVF . System	▼ EDID
 External Dialer Video Display Touch Screen and Display Manage Log 	Select 01DM default
📮 AIRMEDIA	▼ Input Signal
	Sync Detected ≭ No Resolution 0x0@0 Source HDCP Inactive ✦ More Details
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General Settings

HDMI Input

Set **HDMI Input** to **Enable** to allow a user to connect their device to the device's HDMI IN port. The default setting is **Enable**.

Set **HDMI Input** to **Disable** to prevent a user from using an HDMI connection from their device to the CCS-UC-1.

HDCP Support

Select whether **HDCP Support** should be set to **Enable** or **Disable**. When HDCP support is enabled, source signals that require HDCP compliance are allowed to pass through to the display that is connected to the HDMI output. When HDCP support is disabled, source signals that require HDCP compliance are not allowed to pass through to the connected display.

NOTE: When HDCP is enabled, the connected display must be HDCP compliant as well.

EDID

EDID is a data structure provided by a digital display to describe its capabilities to a video source (for example, graphics card or set-top box). It is what enables a computer to know what kinds of monitors are connected to it.

The EDID section of the **HDMI INPUT** screen specifies the EDID profile that is selected for use. Only source devices that use the selected EDID profile are allowed to send signals through the CCS-UC-1.

To select an EDID profile to support, select one of the profiles from the drop-down list, and click **Apply EDID**.

If a profile is not listed in the menu, a custom profile can be loaded onto the device. To load a custom EDID profile, follow this procedure:

- 1. From the **Select** drop-down list, select **Custom**.
- 2. Click Load CEDID file.
- 3. Click **Browse** and navigate to the location of the custom CEDID file.
- 4. Select the file to use and click **Open**.
- 5. Click Send EDID.

Input Signal

Click **More Details** to view details about the input signal connected to the HDMI input port.

HDMI OUTPUT

Click **HDMI OUTPUT** to display information about the connected display and output signal.

Click **More Details** to view details about the output signal sent to the HDMI output port.

HDMI OUTPUT Screen

CRESTRON		٩
STATUS HDMI INPUT HDMI OUTPUT NETWORK DEVICE APPSPACE V AVF	✓ Connected Display Sink Connected ¥ Manufacturer Name Serial Number 0	No
 System External Dialer Video Display Touch Screen and Display Manage Log AIRMEDIA 	Output Signal Resolution 0x Disabled By HDCP No + More Details	
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NETWORK

Click **NETWORK** to configure the device for operating in a network environment. The screen displays controls for configuring the network settings and 802.1x authentication.

Network Setting

To configure the network settings follow this procedure:

NETWORK	Screen -	Network	Setting
---------	----------	---------	---------

TATUS	▼ Network Setting		🖱 Revert	🖹 Save Changes
IDMI INPUT IDMI OUTPUT				
NETWORK	Host Name	MERCURY-TP-00107F8I		
DEVICE				
APPSPACE	Domain Name			
WF				
System	SSH	Enabled		
External				
Dialer Video Display	Primary Static DNS			
Touch Screen and Display	Consider Shatte DNC			
Manage	Secondary Static DNS			
Log	Adapter 1			
IRMEDIA				
	DHCP	Enabled		
	IP Address			
	Subnet Mask			
	Default Gateway			
	Adapter 2			
	DHCP	Enabled		
	IP Address			
	Subnet Mask			
	Default Gateway			
	802.1x Configuration		D Revert	🖹 Save Changes

1. Enter a host name in the **Host Name** field and a domain name (optional) in the **Domain Name** field.

NOTE: Use a host name and domain name as an alternative to IP addressing when connecting client computers to the device.

- 2. The CCS-UC-1 has two network adapters, **Adapter 1** and **Adapter 2**. **Adapter 1** is the name assigned to the LAN port and **Adapter 2** is the name assigned to the AUX port. Each network adapter can be set to have their IP address, subnet mask, default gateway, and DNS servers set manually, or obtain the settings from a DHCP server. Choose one of the following options for each network adapter.
 - Set **DHCP** to **Enabled** to use a DHCP server to provide the IP address, subnet

mask, default gateway, and DNS server.

- Set DHCP to Disabled to manually enter the Ethernet parameters. When set to Off, the IP address, subnet mask, default gateway, and DNS servers must be manually entered.
- 3. Click **Save Changes** when done or **Revert** to return to the previous setting.

NOTE: Any changes made to the network settings will require the device to reboot.

802.1x Configuration

Some networks require devices to use 802.1x port-based network access control for access to the network.

NETWORK Screen - 802.1x Configuration

CRESTRON				G
. STATUS	 Network Setting 		D Revert	🖹 Save Changes
	-			
	▼ 802.1x Configuration		D Revert	Save Changes
	IEEE 802.1x Authentication	Enabled		
APPSPACE	Authentication Method	EAP-TLS Certificate 🔹		
System				
External	Domain			
Dialer				
 Video Display	Username			
Touch Screen and Display				
📮 Manage	Password			
📮 Log				
	Enable Authentication Server Validation	Enabled		
		_		
	Select Trusted Certificate Authoritie(s)			
		٩		
		AAA Certificate Services	*	
		AC Raíz Certicámara S.A.		
		ACEDICOM Root		
		AddTrust External CA Root		
		AffirmTrust Commercial		
		AffirmTrust Networking		
		AffirmTrust Premium ECC AffirmTrust Premium		
		Aftirm Trust Premium America Online Root Certification Authority 1		
		America Online Root Certification Authority 1 America Online Root Certification Authority 2		
		America Omme Root Certification Authority 2		
		Autoridad de Certificacion Firmaprofesional CIF A62634068		
		Baltimore CyberTrust Root		
		CNNIC ROOT		
		COMODO Certification Authority		
			T	
		Manage Certificates		
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	o 2020 or can on Electronica, me.			sortifier e clocifier Agreement

To use 802.1x, set **IEEE 802.1x Authentication** to **Enabled** and select the desired method of authentication.

- Certificate Authentication
 - 1. In the Authentication Method field, select EAP-TLS Certificate.

- 2. Enter the domain name of the authentication server.
- 3. Upload a machine certificate.
 - a. Click **Manage Certificates** to manage certificates for 802.1x authentication. A list of certificates is displayed.

М	anaae	Certificates	Dialoa	Box
---	-------	--------------	--------	-----

Root Intermediate Machin	ne Web Server		
Name	Expiry Date	Actions	
Visa eCommerce Root	Jun 24 00:16:12 2022	<u>ش</u>	
Security Communication RootCA2	May 29 05:00:39 2029	a	
DigiCert Global Root CA	Nov 10 00:00:00 2031	Û	
Security Communication EV RootCA	1 Jun 6 02:12:32 2037	ů.	
EC-ACC	Jan 7 22:59:59 2031		
Go Daddy Class 2 Certification Authority	Jun 29 17:06:20 2034	a	
thawte Primary Root CA - G2	Jan 18 23:59:59 2038	Û	
(_		

- b. Click the Machine tab. The current machine certificate is displayed.
- c. Click 📋 to delete the certificate from the list of certificates.
- d. Click **Add Machine Certificate**. The Add Certificate dialog box is displayed.

Add Certificate Dialog Box

Add Certificate		×
1 Browse	2 Certificate Upload Complete	
Select File	+ Browse	
		h

- e. Click Browse, select the certificate file, and click Open.
- f. When prompted, enter the password used to encrypt the file.
- g. Click **Load** to upload the certificate to the CCS-UC-1. A message confirming the upload is displayed.

- h. Click OK to close the Add Certificate dialog box.
- 4. If authentication server validation is not used, set **Enable Server Validation** to **Disabled** and continue to step 6. Otherwise, set **Enable Server Validation** to **Enabled** and select the trusted certificate authorities to use.
 - To select all of the authorities, click the check box next to the search box.
 To unselect all of the authorities, click the check box again.
 - To search for a specific authority, start typing the name of the authority in the search box and check the box next to the desired authority.
- 5. Click **Manage Certificates** to manage certificates for 802.1x authentication. A list of certificates is displayed.

earch	dd Root Certificate	
Root Intermediate Mad	chine Web Server	
Name	Expiry Date	Actions
Visa eCommerce Root	Jun 24 00:16:12 2022	•
Security Communication RootCA	2 May 29 05:00:39 2029	•
DigiCert Global Root CA	Nov 10 00:00:00 2031	•
Security Communication EV Root	CA1 Jun 6 02:12:32 2037	İ
EC-ACC	Jan 7 22:59:59 2031	
Go Daddy Class 2 Certification Authority	Jun 29 17:06:20 2034	
thawte Primary Root CA - G2	Jan 18 23:59:59 2038	û
4		

Manage Certificate Dialog Box

- a. Click 🚊 to delete a certificate from the list of certificates.
- b. Click Add Root Certificate. The Add Certificate dialog box is displayed.

Add Certificate Dialog Box



c. Click Browse, select the certificate file, and click Open.

- d. Click **Load** to upload the certificate to the CCS-UC-1. A message confirming the upload is displayed.
- e. Click **OK** to close the **Add Certificate** dialog box.
- 6. Click **Save Changes** when done or **Revert** to return to the previous setting.
- Password Authentication
 - 1. In the Authentication Method field, select EAP-MSCHAP V2-password.
 - 2. Enter the domain name of the authentication server, the user name, and the password in their respective fields.
 - 3. Set **Enable Server Validation** to **Enabled** and select the trusted certificate authorities to use.
 - To select all of the authorities, click the check box next to the search box. To unselect all of the authorities, click the check box again.
 - To search for a specific authority, start typing the name of the authority in the search box and check the boxes next to the desired authorities.
 - 4. To load a custom certificate, click **Manage Certificates** and follow this procedure:
 - a. Click the **Root** tab to manage certificates for 802.1x authentication.

Manage Certificates Dialog Box: Root Tab

earch Add	Root Certificate		
Root Intermediate Machir	ne Web Server		
Name	Expiry Date	Actions	
Visa eCommerce Root	Jun 24 00:16:12 2022		
Security Communication RootCA2	May 29 05:00:39 2029	a	
DigiCert Global Root CA	Nov 10 00:00:00 2031	â	
Security Communication EV RootCA	1 Jun 6 02:12:32 2037	۵.	
EC-ACC	Jan 7 22:59:59 2031	۵.	
Go Daddy Class 2 Certification Authority	Jun 29 17:06:20 2034	D	
thawte Primary Root CA - G2	Jan 18 23:59:59 2038	Û	
4			

b. Click Add Root Certificate. The Add Certificate dialog box is displayed.

Add Certificate Dialog Box



- c. Click Browse, select the certificate file, and click Open.
- d. Click **Load** to upload the certificate to the CCS-UC-1. A message confirming the upload is displayed.
- e. Click **OK** to close the **Add Certificate** dialog box.
- 5. Click **Save Changes** when done, or **Revert** to return to the previous setting.

DEVICE

Click **DEVICE** to upload firmware, restore factory settings, download system logs, manage cloud settings, manage auto update settings, configure the device for SIP calling, configure the date and time, configure the device for Skype for Business, authentication management, and set the device's application.

Device Management

DEVICE Screen - Device Management

CRESTRON				
. STATUS				
HDMI INPUT	 Device Management 			
HDMIOUTPUT				
NETWORK	Firmware			
DEVICE	Main Firmware Version	1.3809.00015		
APPSPACE	Model	MERCURY		
AVF System	Serial Number			
system External	Firmware Upgrade			
Dialer	Firmware Opgrade	 Upload Firmware File 	Use Service Port	
Video Display		🌲 Firmware Upgrade		
Touch Screen and Display				
Manage	- Maintenance			
Log				
AIRMEDIA	C Restore	😂 Re	boot	
	Device Logs			
	Download Logs			
	Cloud Settings			
	cious per mas			
	Cloud Configuration Service Connection	Enabled		
			n -	
	Auto Update		D Revert	Save Changes
	 SIP Calling 		"D Revert	Save Changes
	 Configure Date/Time 		"D Revert	🖹 Save Changes
	 Skype For Business 		5 Revert	🖹 Save Changes
	Authentication Management			
	Applications		"D Revert	🖹 Save Changes
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Firmware

To upload device firmware, follow this procedure:

- 1. Click Firmware Upgrade.
- 2. Click **Browse** and navigate to the location of the firmware file.
- 3. Select the file to use and click **Open**.
- 4. Click **Load** to load the firmware.

Maintenance

Click **Restore** to restore the factory settings. Click **Reboot** to reboot the device.

Device Logs

Click **Download Logs** to download the device's system logs to the PC.

Cloud Settings

By default, the **Cloud Configuration Service Connection** is set to **Enabled**. To disable the connection, set **Cloud Configuration Service Connection** to **Disabled**. For more information, refer to "Crestron XiO Cloud Service" on page 49.

Auto Update

DEVICE Screen - Auto Update

CRESTRON		٩
II STATUS II HOMI INPUT II HOMI OUTPUT II NETWORK	Device Management Auto Update	D Revert 📴 Save Charges
DEVICE APPSPACE AVF System	Auto Update Disabled Update Now	
 External Dialer Video Display Touch Screen and Display 	SIP Calling Configure Date/Time Skype For Business	O Revert E Swe Charges O Revert E Swe Charges
 Manage Log AIRMEDIA 	Authentication Management Applications 2018 Crestron Electronics, Inc.	Revert Save Changes Privacy Statement Crestron Unified Communication Software License Agreement

The device can automatically check for firmware updates and update as needed. To allow auto updating, set **Auto Update** to **Enabled**. To turn off auto updating, set **Auto Update** to **Disabled**.

NOTE: To check for available updates, click **Update Now**.

Session Initiation Protocol (SIP) Calling

DEVICE Screen - SIP Calling

CRESTRON				•
. STATUS				
	Device Management			
📮 HDMI OUTPUT	Auto Update		D Revert	Save Changes
. NETWORK	✓ SIP Calling		D Revert	Save Changes
APPSPACE	SIP	Enabled		
System	Server Username	guest		
External				
📮 Dialer	Server Password	••••		
Video Display				
Touch Screen and Display Manage	Local Extension	12604		
	Server Address	172.18.0.48		
	Server Port	5060		
		1015		
	Proxy Server	NONE		
	Server Realm	*		
	Jeivei Realiti			
	Transport Type	UDP -		
	Display Extension			
	SIP Server Status			
	Assigned Ethernet Port			
		O AUX		
	Enable Server Validation	Enabled		
	Select Trusted Certificate Authoritie(s)			
		Q		
		AAA Certificate Services	*	
		AC Raíz Certicámara S.A.		
		ACEDICOM Root		
		AddTrust External CA Root		
		AffirmTrust Commercial AffirmTrust Networking		
		AffirmTrust Premium		
		AffirmTrust Premium ECC		
		America Online Root Certification Authority 1		
		America Online Root Certification Authority 2		
		ApplicationCA Autoridad de Certificacion Firmaprofesional CIF A62634068		
		Baltimore CyberTrust Root		
		CNNIC ROOT		
		COMODO Certification Authority	-	
		Manage Certificates		
	Configure Date/Time		D Revert	🖹 Save Changes
	Skype For Business		D Revert	Save Changes
	Authentication Management		Januar	Ly Dave changes
	-		D Revert	E. Sava Changer
	Applications		J Revert	🖹 Save Changes
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To configure the device to make phone calls using a SIP server, follow this procedure:

1. Set **SIP** to Enabled.

- 2. Select the transport protocol to use for SIP calling from the **Transport Type** drop-down list. Consult with the VoIP administrator for the proper setting.
- 3. Enter the IP address of the SIP server in the Server Address field.
- 4. Enter the port number to be used within the SIP network in the Server Port field.

NOTE: Port 5060 is the default port used by most SIP servers. Check with the VoIP network administrator for port availability.

- 5. Enter the user name and password in the **Server Username** and **Server Password** fields.
- 6. Enter the name of the SIP server realm in the Server Realm field.

NOTE: Many SIP servers do not require a realm and the default value "*" can be used.

- 7. Enter the local extension number in the **Local Extension** field.
- 8. Enter the SIP proxy server's IP address or host name in the Proxy Server field.

NOTE: A proxy IP address is not always required. When a proxy IP address is not required, the default value "NONE" can be used.

- 9. Select the Ethernet port on the CCS-UC-1 to use for SIP calling. Select LAN if the LAN port on the CCS-UC-1 connects to the SIP server. Select AUX if the AUX port on the CCS-UC-1 connects to the SIP server.
- 10. If server validation is not used, set **Enable Server Validation** to **Disabled**. Otherwise, set **Enable Server Validation** to **Enabled** and select the trusted certificate authorities to use.
 - To select all of the authorities, click the check box next to the search box. To
 unselect all of the authorities, click the check box again.
 - To search for a specific authority, start typing the name of the authority in the search box and check the boxes next to the desired authorities.

- To load a custom certificate, click Manage Certificates and follow this procedure:
 - a. Click the **SIP** tab to manage certificates for use with a SIP server. If present, the current SIP certificate is displayed.

Manage Certificates Dialog Box: SIP Tab

nage Certificates		
Search	Add SIP Certificate	
Root Intermediate	Machine SIP Web Server	
Name	Expiry Date Actions	
	H 📢 1 🕨 H	

- b. Click Add SIP Certificate.
- c. Click **Browse**, select the certificate file, and click **Open**.
- d. When prompted, enter the password used to encrypt the file.
- e. Click **Load** to upload the certificate to the CCS-UC-1. A message confirming the upload is displayed.
- f. Click **OK** to close the **Add Certificate** dialog box.
- 11. Click **Save Changes** when done or **Revert** to return to the previous setting. The device will reboot.
- 12. Verify the status of the connection to the SIP server in the **Status** field.

For additional details on configuring the CCS-UC-1 to operate with specific SIP servers, refer to the DOCUMENTATION tab at <u>www.crestron.com/mercury</u>.

Configure the Date and Time

DEVICE Screen - Configure Date/Time

CRESTRON		٢
STATUS HDMI INPUT HDMI OUTPUT NETWORK	Device Management Auto Update SIP Calling	 Revert Sive Charges Revert Sive Charges
DEVICE APPSPACE System System	Configure Date/Time Time Synchronization Enable Time Synchronization	🔊 Revert 📄 Save Chargee
 External Dialer Video Display Touch Screen and Display Manage 	Time Server	pool ntp.org Synchronize Now
🖬 Log	Time Zone Time(24hr Format) Date	(UTC-05:00) Eastern Time (US & Canada) ▼ 14:22 07/31/2018
	Skype For Business Authentication Management Applications	 Revert P Sive Charges Revert Sive Charges
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The device's internal clock can be synchronized with a time server or set manually.

NOTE: When connected to Crestron Fusion, the time is automatically set from Crestron Fusion. Any settings made here do not apply.

- Use Time Server Synchronization
 - 1. Set Enable Time Synchronization to On.
 - 2. Enter the time server's IP address or host name in the **Time Server** field.
 - 3. Click **Synchronize Now** to sync Crestron Mercury with the specified time server.
- Set the Time Manually
 - 1. Set Enable Time Synchronization to Off.
 - 2. Select the time zone from the **Time Zones** list.
 - 3. Enter the time (in 24 hour format) in the Time(24hr Format) field.
 - 4. Select the date from the **Date** field.
 - 5. Click **Save Changes** when done or **Revert** to return to the previous setting.

Skype for Business

DEVICE Screen – Skype for Business

CRESTRON				٦
. STATUS				
HDMI INPUT	Device Management			
	 Auto Update 			Save Changes
NETWORK DEVICE	 SIP Calling 		🖱 Revert 📄	Save Changes
APPSPACE	Configure Date/Time		🖱 Revert 📄	Save Changes
▼ ■ AVF	 Skype For Business 		🖱 Revert 📑	Save Changes
📃 System	Enable	Enabled		
External	Liabe	Enabled		
Video Display	Username	crestron\test1		
. Touch Screen and Display				
Manage	Password	••••		
. Log				
airmedia	SIP Address	test1@crestron.com		
	Internal Server Name			
	External Server Name			
	Display Extension	12369		
	Enable	Enabled		
	News	110		
	Name	HQ		
	Number	2017507004		
	ranber	2017307001		
	Туре	Number -		
	Enable	Enabled		
	Name	Engineering		
	Number	engnr@crestron.com		
	Туре	Email -		
	Enable	Disabled		
	Name			
	Name			
	Number			
	Туре	Number -		
	Enable	Disabled		
	Name			
	Number			
	Туре	Number 💌		
		Manage Certificates		
	 Authentication Management 			
	 Applications 		D Revert	Save Changes
	© 2018 Crestron Electronics, Inc.		Privacy Statement Crestron Unified Communication Softw	vare License Agreement

The CCS-UC-1 can be configured to operate as a Skype® for Business client that can host meetings, make phone calls, and perform other Skype for Business functions.

For information on supported versions of Skype for Business, refer to Answer ID 5829 in the Online Help on the Crestron website (<u>www.crestron.com/onlinehelp</u>).

Use the following table and procedure to configure the device for Skype for Business.

1		
USER is HOSTED BY	SIP ADDRESS and USER PRINCIPAL NAME (UPN)	REQUIRED FIELDS
On-premises Skype for Business Server	SIP address and UPN may be the same	Username: UPN or domain\username Password : Password SIP Address : SIP address
Office 365® Application	SIP address and UPN are traditionally the characters before "@onmicrosoft.com"	Username : UPN Password : Password SIP Address : SIP address

Required Fields

1. Set Enable to Enabled.

2. Refer to the table above to determine the required fields and configure the Username, Password, and SIP Address fields as required.

NOTE: If the Office 365 account uses modern authentication, the login's password must be entered on the touch screen after the parameters have been saved in step 6.

- 3. If automatic discovery for mobile clients hasn't been configured, enter the following information:
 - Internal Server Name: https://webdir.online.lync.com/Autodiscover/autodiscoverservice.svc/ Root
 - External Server Name:

https://webdir.online.lync.com/Autodiscover/autodiscoverservice.svc/ Root

NOTE: If these fields are left blank, the client uses autodiscovery. If the Skype for Business deployment does not use autodiscovery, these fields should be filled with the appropriate information. These addresses are valid only for Office 365 users and are different for On-premises Skype for Business Server deployments.

- 4. The device can provide up to four speed dial entries. To configure a speed dial entry, perform the following procedure:
 - a. Set Enable to Enabled.
 - b. Enter the "friendly" name of the speed dial entry in the Name field.

c. Enter the email address, phone number, or meeting URL in the **Number** field.

NOTE: The information entered in the **Number** field must be formatted for the selected **Type** in step d below.

- d. Select the type of entry to be assigned from the **Type** drop-down list.
 - Number: Select Number to have the speed dial button dial a phone number.
 - **Email:** Select **Email** to have the speed dial button create an ad hoc meeting with a Skype for Business contact's email address.
 - URL: Select URL to have the speed dial button automatically join a Skype for Business meeting.
- 5. If the installation uses an on-premises Skype for Business deployment that requires a private root certificate, click **Manage Certificates** to manage certificates for authentication. A list of certificates is displayed.

Root Intermediate Mach	ine SIP Web Server	
Name	Expiry Date	Actions
AAA Certificate Services	Dec 31 23:59:59 2028	•
Go Daddy Class 2 Certification Authority	Jun 29 17:06:20 2034	•
Staat der Nederlanden Root CA - G	2 Mar 25 11:03:10 2020	Û
Starfield Services Root Certificate Authority - G2	Dec 31 23:59:59 2037	•
COMODO Certification Authority	Dec 31 23:59:59 2029	û
SecureSign RootCA11	Apr 8 04:56:47 2029	•
SecureSign RootCA1	Sep 15 14:59:59 2020	Ê

Manage Certificates Dialog Box

a. Click 📋 to delete a certificate from the list of certificates.

b. Click Add Root Certificate. The Add Certificate dialog box is displayed.

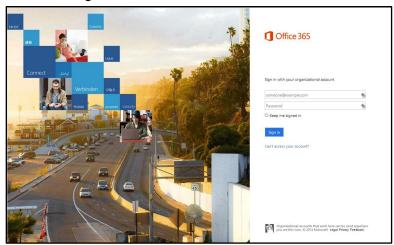
Add Certificate Dialog Box



- c. Click **Browse**, select the certificate file, and click **Open**.
- d. Click **Load** to upload the certificate to the CCS-UC-1. A message confirming the upload is displayed.
- e. Click **OK** to close the **Add Certificate** dialog box.
- 6. Click **Save Changes** when done or **Revert** to return to the previous setting.

If the Office 365 account uses modern authentication, a login screen is displayed on the touch screen as shown below.

Office 365 Login Screen



- 1. Tap inside the password field. A keyboard is displayed.
- 2. Enter the account password associated with the displayed user name and tap **Go**.

Authentication Management

DEVICE Screen - Authentication Management

CRESTRON.				٩
 Status Hdmi input Hdmi output Network Device 	Device Management Auto Update SIP Calling Configure Date/Time		D Revert D Revert D Revert	Save Changes Save Changes Save Changes Save Changes
■ APPSPACE ▼ ■ AVF ■ System	Skype For Business Authentication Management		D Revert	Save Changes
 External Dialer Video Display 	Enable Authentication	On		
 Touch Screen and Display Manage 	Current User Users Groups	admin		
📮 Log 🖪 AIRMEDIA	Access Level Active Directory User	Administrator No		
	Groups Change Current User Password	Administrators		
	Applications		D Revert	🖺 Save Changes
	© 2018 Crestron Electronics, Inc.		Privacy Statement Crestron Unified Communication	Software License Agreement

This section is used to set the password for the current user, and manage authorized users and user groups. By default, **Enable Authentication** is set to **On**.

- Current User
 - 1. Click the **Current User** tab to set the current user's password.
 - 2. Click **Change Current User Password** to change the current user's password.
 - 3. Enter the new password in the **Password** field.
 - 4. Confirm the new password in the **Confirm Password** field.
 - 5. Click **OK** to set the new password or click **Cancel** to cancel.

Users

Click the **Users** tab to manage authorized users. A list of authorized users is displayed.

DEVICE Screen - Authentication Management: Users Tab

Current User Users Groups		
		Search Users
Username	AD User	Actions
admin	No	ð
	H ؇ 1 🕨 H 10 🔻	
Create User		

- Click ¹ to view details about a user.
- Click C to update a user's information.

Create User Dialog Box

- Click to delete the user from the list of authorized users.
- Click **Create User** to add a user. The **Create User** dialog box is displayed.

Create User	×
Name	GSmith
Password	••••
Confirm Password	••••
Groups	Administrators •
Active Directory User	Off
	V OK Cancel
	li di seconda di second

- 1. Enter the user name in the **Name** field.
- 2. Enter the user password in the **Password** field.
- 3. Confirm the password in the **Confirm Password** field.
- 4. Select the user's group memberships from the **Groups** drop-down list.
- 5. Select whether the user is a member of the Active Directory[®] credential management group with the **Active Directory Group** switch.
- 6. Click **OK** to save the user or click **Cancel** to cancel.

• Groups

Click the **Groups** tab to configure user groups. A list of user groups is displayed.

DEVICE Screen - Authentication Management: Groups Tab

Current User Users	Groups		
			Search Groups
Group Name	AD Group	Access Level	Actions
Administrators	No	Administrator	0 Û
Connects	No	Connect	0 û
Operators	No	Operator	ð û
Programmers	No	Programmer	ð û
Users	No	User	ð
		₩ 🐳 1 🕨 🕅 10 🔻	
Create Group			

- Click ¹ to view details about a group.
- Click ^a to delete the group from the list of groups.
- Click Create Group to add a group to the list of user groups. The Create Group dialog box is displayed.

Create Group Dialog Box

Create Group			×
Name			
Access Level	Administrator	•	
Active Directory Group	Ooff		
	✓ ОК		× Cancel
			ſi.

- 1. Enter the group name in the **Name** field.
- 2. Select the group's access level from the Access Level drop-down list.
 - Administrator grants full access to the system settings and device functions
 - **Connect** grants access to the device functions
 - **Operator** grants read access to the system settings and full access to the device functions

- Programmer grants access to program/project specific settings/ReadOnly to the rest, read/write access to the file system, no access to the setup project
- User grants access to the device functions
- 3. Click **OK** to save the group or click **Cancel** to cancel.

Applications

DEVICE Screen - Applications

CRESTRON		٢
STATUS HDMIINPUT HDMI OUTPUT NETWORK Covered APPSPACE System External	Device Management Auto Update SIP Calling Configure Date/Time Skype For Business Authentication Management Applications	O Revert Save Charges O Revert Save Charges O Revert Save Charges O Revert Save Charges O Revert Save Charges
Dialer Video Display Touch Screen and Display Manage Log Log AIRMEDIA	Application Mode Crestron Default Crestron Electronics, Inc.	Privacy Statement Crestron Unified Communication Software License Agreement

This section is used to select the application to run. The device can run one of three application modes:

- Select **Crestron Default** to have the device work as described in this document.
- Select **Zoom Rooms** to have the device work as a Zoom room controller used to control a Zoom room conference system.

For more information on using the CCS-UC-1 as a Zoom room controller, refer to <u>https://www.crestron.com/Products/Featured-Solutions/Zoom-Room-Solutions</u> and

https://support.crestron.com/app/answers/answer_view/a_id/5829#MercuryZo om.

• Select **Teams Video** to have the device work as a controller for a Crestron Flex UC system with Microsoft Teams[™] software. Settings for using the device as part of a Crestron Flex UC system are displayed.

NOTE: After selecting **Teams Video**, click **Save Changes** and allow the device to reboot. After the reboot is complete, the Teams Video settings can be specified.

DEVICE Screen – Applications (Teams Video Settings Shown)

CRESTRON.								٩
STATUS HDMIINPUT HDMIOUTPUT NETWORK DEVICE APPSPACE AVF System	Device Management Auto Update SIP Calling Configure Date/Time Skype For Business Authentication Management	zement			- 5 0	Revert Revert Revert Revert	Save Changes Save Changes Save Changes Save Changes Save Changes	
 Bytem External Dialer Video Display Touch Screen and Display 	 Applications 	Application Mode	Teams Video	.	C	Revert	Save Changes	
📱 Manage 📕 Log 🖬 AIRMEDIA	— Teams Video —	Teams Video PC Address Teams Video PC Port	teamsPC-tech-pubs					
		Teams Video Username Teams Video Password	admin					
-	© 2018 Crestron Electronics, Inc.				Privacy Statement Crestron Unified Comr	nunication S	oftware License Agreer	nent

To configure the device for use with a Crestron Flex Microsoft Teams UC system, enter the following information:

 Teams Video PC Address: Enter the IP address or host name of the UC-ENGINE running Microsoft Teams software.

NOTE: The host name is printed on a label on the UC-ENGINE (mounted on the UC-BRKT-100-ASSY). For more information, refer to the UC-M150-T Quick Start (Doc. 8366) at <u>www.crestron.com/manuals.</u>

- Teams Video Port: By default, port number 49500 is used. If a different port number has been configured on the PC running Microsoft Teams software, enter it here.
- Teams Video Username: Enter the login username for the Microsoft Teams software host PC.
- Teams Video Password: Enter the login password for the Microsoft Teams software host PC.

For more information on configuring a Crestron Mercury UC system with Microsoft Teams software, refer to the UC-M150-T/-B150-T/-B160-T/-C150-T UC Video Conference Systems for Microsoft Teams Supplemental Guide (Doc. 8360) at <u>www.crestron.com/manuals</u>.

Click **Save Changes** when done or **Revert** to return to the previous setting. The device will reboot.

APPSPACE

The CCS-UC-1 can display content from an Appspace account when the device is not in use (determined by the built-in occupancy sensor).

NOTES:

- An active Appspace account is required.
- Appspace video service is not supported.
- To use Appspace when the device is in Standby, the Power Settings must be set to "Occupancy Based With Signage" as described in "Power Settings" on page 32.

Click **APPSPACE** to configure the device's operation with the Appspace platform.

APPSPACE Screen

CRESTRON		٢
 STATUS HDMI INPUT HDMI OUTPUT NETWORK DEVICE APPSPACE AVF System External Dialer Video Display Touch Screen and Display Manage 	Appspace Signage Appspace Integration Disabled Account Location Public Cloud Private Instance Appspace App URL Signage in Standby Disabled Signage as a Background Disabled	Revert Save Changes
🖬 Log 🖪 AIRMEDIA	© 2018 Crestron Electronics, Inc.	Privacy Statement Crestron Unified Communication Software License Agreement

To configure the device for use with Appspace:

1. Set **Appspace Integration** to **Enabled** to enable Appspace when the CCS-UC-1 goes to sleep based on occupancy (Standby). When enabled, the display on the CCS-UC-1 turns off and the connected display will show Appspace content.

NOTE: To use Appspace when the device is in Standby, the Power Settings must be set to "**Occupancy Based With Signage**" as described in "Power Settings" on page 32.

- 2. Choose the Account Location.
 - **Public Cloud**: Select this option to use the Appspace public web app.
 - Private Instance: Select this option to use a privately hosted instance of the Appspace web app.
- 3. Enter the **Appspace App URL**. This is the URL where a privately hosted instance of the Appspace web app can be found. Leave blank if the **Public Cloud** account location is selected.

- 4. Set **Signage in Standby** to **Enabled** to display Appspace content when the CCS-UC-1 goes to sleep based on occupancy. Set to **Disabled** to turn off the feature.
- 5. Set **Signage as a Background** to **Enabled** to display Appspace content on the connected display behind the calendar, date/time, system name, connection info and branding portions of the display.

NOTE: When set to **Enabled**, the **Enable Custom Backgrounds** and **Interval Between Backgrounds** options on the Room Schedule screen (described in "Display Customization" on page 45) are disabled.

6. Click **Save Changes** when done or **Revert** to return to the previous setting.

.AV Framework (AVF)

Click **AVF** to configure the device's .AV Framework[™] platform functionality. Click **>** to display links for configuring system settings, controlling Crestron Fusion[®] and calendar settings, configuring the dialer, configuring the connected video display, configuring touch screen and connected display operation, managing the system's configuration, and viewing activity logs.

System

The **System** screen specifies the room name, the local language setting, the time format, the date format, and manages the power settings.

AVF Screen - System

CRESTRON				Œ
II STATUS II HDMI INPUT II HDMI OUTPUT			The system is currently online.	
. NETWORK	▼ System			
DEVICE APPSPACE	- System Settings			
■ AVF	o, stern octaings			
System		Room Name	AVF 21053	
External				
📮 Dialer 📮 Video Display		Language	English (English)	
Touch Screen and Display		Time Format	12 hour	
. Manage			12.1001	
E Log		Date Format	January 15, 2017 🔹	
			Save	
			Juic	
	- Power Settings			
		Chandles		
		Standby	Always On 🔻	
	Day Of Week	Enabled	Display On	Display Off
	Sunday	Enable	12:00 AM	11:59 PM
	Monday	Enable	12:00 AM	11:59 PM
	Tuesday	Enable	12:00 AM	11:59 PM
	Wednesday.			
	Wednesday	Enable	12:00 AM	11:59 PM
	Thursday	Enable	12:00 AM	11:59 PM
	Friday		40.00.414	44.50 DM
	Thuay	Enable	12:00 AM	11:59 PM
	Saturday	Enable	12:00 AM	11:59 PM
			Save	

System Settings

To configure the system settings, follow this procedure:

- 1. Click **System** to display the **AVF** (System) screen.
- 2. In the **Room Name** field, enter the name of the room where the device is installed.
- 3. In the Language field, select the local language from the drop-down list.
- 4. In the **Time Format** field, select the time format from the drop-down list (**12 hour** or **24 hour**).
- 5. In the **Date Format** field, select the date format from the drop-down list.

Power Settings

Configure power settings to manage the system's power usage. To configure the power settings, follow this procedure:

- 1. Select one of the following modes from the **Standby** drop-down list.
 - Always On sets the following:
 - The connected display will be on during business hours (defined in step 2).
 - The system will wake up based on occupancy outside of business hours.
 - The touch screen will always be on.
 - Changes reported by the built-in occupancy sensor will be ignored.
 - **Based on Occupancy** sets the following:
 - The built-in occupancy sensor will be used to determine when the room is occupied or vacant.
 - When the room is occupied the system will be on.
 - When the room is vacant the system will be off.
 - The connected display will be on when the room is occupied and off when the room is vacant.
 - The touch screen will be on when the room is occupied and off when the room is vacant.
 - Crestron Fusion power events will be ignored.
 - Connecting an active HDMI input source will not turn on the room.
 - Connecting to the device by an AirMedia connection will not turn on the room.

- Occupancy Based With Signage sets the following:
 - The built-in occupancy sensor will be used to determine when the room is occupied or vacant.
 - When the room is occupied the system will be on.
 - When the room is vacant, the system will be operating in standby mode during defined business hours and off outside of business hours (defined in step 2).
 - The connected display will be on when the system is in standby mode, and off when the system is off.
 - The touch screen will be on when the room is occupied, and off when the room is vacant.
 - When in the standby mode, digital signage that is configured to run during standby mode will be displayed.
 - Crestron Fusion power events will be ignored.
 - Connecting an active HDMI input source will not turn on the room.
 - Connecting to the device by an AirMedia connection will not turn on the room.

NOTE: This setting must be selected if Appspace is to be used.

- 2. For each day of the week, define business hours:
 - Enabled sets whether the day is part of the business hours schedule. Set the switch to Enabled to have the day included in the business hours schedule.
 Set the switch to Disabled to remove the day from the business hours schedule.
 - **Display on** sets the time the connected display will turn on. To set the on time, click the hour, then click the exact time.
 - **Display Off** sets the time the connected display will turn off. To set the off time, click the hour, then click the exact time.
- 3. Click **Save** to save the settings.

The following table shows each power option's ability for each **Standby** setting.

Operation versus Standby Setting

	Standby Setting		
OPERATION	Always On	Occupancy Based	Occupancy Based With Signage
Always On	✓	×	×
Front Display Content During Standby	×	×	✓
Allow Fixed Schedule Power Control	×	×	✓
Allow Occupancy Power Control	×	✓	✓

External

The **External** screen displays the settings for operating with Crestron Fusion.

AVF Screen - External

CRESTRON		٩
STATUS HDMI INPUT HDMI OUTPUT NETWORK	The system is currently online.	
. Device Appspace	External Crestron Fusion Settings	
AVF System External	Crestron Fusion Room Name AVF 98539	
 Dialer Video Display Touch Screen and Display 	IPID 03	
Manage	Crestron Fusion Cloud URL https://fcd001fsg01.crestr X Disable	
AIRMEDIA	Save X Disable	
	Calendar Settings Scheduling Type Crestron Fusion	
	Save X Disable	

Crestron Fusion Settings

To configure the Crestron Fusion settings, follow this procedure:

- 1. In the **Crestron Fusion Room Name** field, enter the name to be used by the Crestron Fusion server.
- 2. In the IPID field, enter the IP ID number to be used by the Crestron Fusion server.
- 3. In the **Crestron Fusion Cloud URL** field, click **Enable** to allow autodiscovery by the Crestron Fusion server.
- 4. Click **Save** to save the settings or click **Disable** to disable the settings.

Upon completion, the device should be brought into Crestron Fusion software as a processor. For details, refer to the Crestron Fusion help file.

Calendar Settings

To configure the calendar settings, follow this procedure:

- 1. Select the scheduling type from the drop-down list.
 - Select SchedulingType Fusion to use Crestron Fusion for calendar functions.
 - Select SchedulingType Exchange to use Microsoft Exchange Server for

calendar functions.

- a. Enter the URL of the Exchange server in the Exchange EWS URL field.
- b. Enter the domain name used by the Exchange server in the **Domain** field.
- c. Enter the name of the conference room in the **Username** field.
- d. Enter the password of the conference room in the **Password** field.
- e. Enter the Calendar email address in the **Calendar email address** field.

NOTE: The Calendar email address is required only for accounts using Impersonation.

f. (Optional) Check the **Outlook Use Certificate** box to use an Outlook[®] certificate. Click **Upload** and follow the instructions to upload a certificate.

For more information, refer to Answer IDs 5829 and 5830 in the Online Help on the Crestron website (<u>www.crestron.com/onlinehelp</u>).

2. Click **Save** to save the settings or click **Disable** to disable the settings.

For additional information on configuring Exchange or Office 365 with the CCS-UC-1, refer to "Appendix: Configure Exchange for Use with CCS-UC-1" on page 84.

Dialer

The **Dialer** screen configures the Bluetooth[®] connectivity settings, the speed keys for quick dialing via SIP, one-touch keys for initiating phone calls for a meeting, and configures the device to use Lightweight Directory Access Protocol (LDAP) to look up names in an LDAP directory.

AVF Screen - Dialer

HDMI INPUT The system is currently online. HDMI OUTPUT The system is currently online. NETWORK Dialer General System System Bluetooth Device Name AVF21053 Bluetooth Device Name Disable Audio Disable 	CRESTRON.			
INTRUE INTERVIEWS INTRUE INTER	STATUS			
N NOVES NOVES APPOPUE APPOPUE APPOPUE Dearbar Dearbar Para nationals Para nationals P		The system is currently online.		
Shirds APPADET APPA				
All Investige Revealed Construction Revealed Construction Revealed Construction Construction<	DEVICE			
Gate Favel Favel <th>AVF</th> <th></th>	AVF			
	System			
Versite Partie Partie Partie Partie Partie Partie Partie Partie Partie	Dialer			
Purce Purce </th <th>Video Display</th> <th>Disable Addio Disable</th>	Video Display	Disable Addio Disable		
Dubb US Sourding: Sourding: <th>Manage</th> <th>Disable Bluetooth Disable</th>	Manage	Disable Bluetooth Disable		
Specifier Specifier <th></th> <th></th>				
ExaMe Nome Nome Speed Key 21: in con 205552221 Speed Key 22: in con 205552221 Con Tool Page 42: in con Speed Key 22: in con Con Tool Page 42: in con Speed Key 22: in con Speed Key 22: in con Con Tool Page 42: in con Speed Key 22: in con Con Tool Page 42: in con Speed Key 22: in con Con Tool Page 42: in con Con Tool Page 42: </th <th>AIRMEDIA</th> <th>Disable USB Disable</th>	AIRMEDIA	Disable USB Disable		
Speed for #1: Jac Col 201551212] Speed for #2: Image Bage #2: Image Bage #2: Image Speed for #2: Image Bage #2: Image Bage #2: Image Image #2: Image Bage #2: Image Image		Speed Keys		
Speed Kor #2:buske Speed Kor #2:buske Speed Kor #4:buske Cre Touch Reger #2: Rger Reger #2: Rger Reger #2: Rger Reger #2: Rger Falde LDAP Evalue LDAP Evalue LDAP Evalue LDAP Evalue LDAP Evalue LDAP Counter Reserver LDAP Domain LDAP DOMAIN		Enabled Name Number		
Server Ker K. Server Ker K. Server Ker K. Server Ker K. Beger K. Reger R. Rege		Speed Key #1: Enable Joe Cool 2015551212		
Server Ker K. Server Ker K. Server Ker K. Server Ker K. Beger K. Reger R. Rege		Speed Key #2: Disable		
Specificity if i Our Total: Reger 42:		Snood Vour#9:		
Ore Tooch Rege #2: Rege: Rege #2: Rege Reg #2: Rege Rege #2: Rege Rege #2: Reg Reg Reg Rege				
Reger #: Reger: Reger #2: Reger Reger #3: Reger Reger #3: Reger				
Reger 82 Reger Reger 82 Reger - LDAP - LDAP				
Reger #3 Reger -LDAP Enable LDAP		Neger # 1. Keger		
		Regex #2: Regex		
		Decay #0		
		Kugex #3: Regex		
Enable LDAP Dtable Authentication Method Kerberos (Auto Discovery) Username Username Username DaP Domain DAP Domain DN Search Display Attribute Display Attribute Department Attribute Department Attribute Phone Attribute		Save		
Enable LDAP LAuthentication Method Kerberos (Auto Discovery) Username Username Username UBAP Domain LDAP Domain DN Search Signary Attribute Display Attribute Display Attribute Department Attribute Phone Attribute				
Authentication Method Kerberos (Auto Discovery) Username Username Password •••• LDAP Domain LDAP Domain DN N Search Display Attribute Display Attribute Location Department Attribute Phone Attribute Phone Attribute		- LDAP		
Username Use		Enable LDAP Disable		
Username Use				
Password LDAP Domain LDAP Domain DN ON Search Display Attribute Display Attribute Location Department Attribute Phone Attribute Phone Attribute		Authentication Method Kerberos (Auto Discovery) v		
Password LDAP Domain LDAP Domain DN ON Search Search Display Attribute Display Attribute Location Department Attribute Phone Attribute Phone Attribute		Username Kername		
LDAP Domain LDAP Domain DN DN ON Search Search Display Attribute Display Attribute Location Department Attribute Phone Attribute Phone Attribute Phone Attribute				
DN Search Display Attribute Display Attribute Location Department Attribute Phone Attribute Phone Attribute		Password ****		
DN Search Display Attribute Display Attribute Location Department Attribute Phone Attribute Phone Attribute		LDAP Domain		
Search Display Attribute Display Attribute Location Department Attribute Phone Attribute Phone Attribute		LUNI DOMAIN		
Display Attribute Display Attribute Location Location Department Attribute Department Attribute Phone Attribute Phone Attribute		DN DN		
Display Attribute Display Attribute Location Location Department Attribute Department Attribute Phone Attribute Phone Attribute		Search Control of Cont		
Location Location Department Attribute Department Attribute Phone Attribute Phone Attribute		Jearch		
Department Attribute Department Attribute Phone Attribute Phone Attribute		Display Attribute Display Attribute		
Department Attribute Department Attribute Phone Attribute Phone Attribute				
Phone Attribute Phone Attribute		Location		
		Department Attribute Department Attribute		
Connect Search		Phone Attribute Phone Attribute		

See below for configuration instructions. When done, click **Save** to save the settings.

Dialer

• General

The **General** section specifies the device's Bluetooth name, and controls audio, Bluetooth, and USB functionality.

- In the Bluetooth Device Name field, enter the device's Bluetooth broadcast name. This is the name that is displayed on a list of Bluetooth connections when a user attempts to connect their Bluetooth device to the CCS-UC-1.
- Select the appropriate settings to disable audio, Bluetooth connectivity, or USB connectivity.

NOTE: Disabling Bluetooth or USB connectivity removes the respective connection options from the user interface.

Speed Keys

Configure **Speed Keys** for use when dialing from the "Audio" function. Refer to "Make a Call with an Office Session Initiation Protocol (SIP) System" on page 68 for details.

- 1. Select **Enabled** for the speed key to be displayed on the device. The **Name** and **Number** fields are displayed.
- 2. In the **Name** field, enter the name to be displayed on the device.
- 3. In the **Number** field, enter the phone number to be dialed when the speed key is pressed. Enter any required dialing codes.

NOTE: If supported by the SIP server, special characters can be entered as well.

- 4. Repeat steps 1 through 3 for each speed key.
- 5. Click **Save** to save the changes.

• One Touch

To configure a button that initiates a specified phone call for a meeting, enter a Regular Expression pattern that will search for phone numbers within the schedule body. For example, if the scheduled event contains a section with a phone number, such as "MeetingId:NNNNNNNN" (where NNNNNNNNN is the conference call's phone number), a pattern of "MeetingId:(\d+,*\d*)" can be used.

NOTES:

- The scheduling software must make use of the expression "MeetingId:NNNNNNNN" (where NNNNNNNNN is the conference call's phone number) and place it in the body of the email message that schedules the meeting.
- If none of the Regex fields are filled, the **JOIN** button does not appear on the CCS-UC-1 home screen.

Click **Save** to save the changes.

Lightweight Directory Access Protocol (LDAP)

LDAP is an Internet protocol that the CCS-UC-1 can use to look up contacts from a server. The CCS-UC-1 can be configured to search for telephone contacts in an LDAP directory. The amount of search results can be controlled by using filters, allowing for searches within departments, locations, etc.. For more information, refer to Answer ID 5852 in the Online Help on the Crestron website (<u>www.crestron.com/onlinehelp</u>).

NOTE: Knowledge of the LDAP server and its directory information tree are required to configure the CCS-UC-1 for use with the LDAP server.

To configure the CCS-UC-1 to access and look up members in an LDAP directory, perform the following procedure:

- 1. Set Enable LDAP to Enable.
- 2. Select the Authentication Method from the drop-down list.
- 3. Configure the fields highlighted in red. Fields that are not highlighted are optional and are not required for operation.
 - Kerberos Auto Discovery
 - **Username:** Enter the user name for logging the device into the LDAP server.
 - **Password** (required): Enter the password associated with the **Username**.
 - LDAP Domain: Enter the fully qualified domain associated with the login credentials supplied in the Username and Password fields. For example, MyCompany.MyCompany.com.

- **DN:** Enter the path in the directory information tree to start the search. For example, dc=Mycompany,dc=MyCompany,dc=com.
- **Search:** Enter the LDAP search string to use. Add search filters as necessary to narrow the search.

Sample: (&(XX=%QUERY%)(objectCategory=person)(objectClass=user))

Where $\boldsymbol{X}\boldsymbol{X}$ is the name of the Display Attribute, and the subsequent terms are search filters.

%QUERY% will be replaced with the search string.

NOTE: Must contain "%QUERY%" and must start with "(" and end with ")".

- **Display Attribute:** Enter the name of the LDAP field associated with the attribute used for displaying a user name.
- Location (optional): Enter the name of the LDAP field associated with the attribute used for listing a location.
- **Department Attribute** (optional): Enter the name of the LDAP field associated with the attribute used for listing a department.
- **Phone Attribute**: Enter the name of the LDAP field associated with the attribute used for listing a phone number.
- Kerberos Server
 - Username: Enter the user name for logging the device into the LDAP server.
 - **Password:** Enter the password associated with the **Username**.
 - LDAP Domain: Enter the fully qualified domain associated with the login credentials supplied in the Username and Password fields. For example, MyCompany.MyCompany.com.
 - Host: Enter the fully qualified host name or the IP address of the LDAP server.
 - **Port**: Enter the port number used by the LDAP server to listen for LDAP queries. The default value is 389.
 - **DN:** Enter the path in the Directory Information Tree to start the search. for example dc=Mycompany,dc=MyCompany,dc=com.

• **Search:** Enter the LDAP search string to use. Add search filters as necessary to narrow the search.

Sample: (&(XX=%QUERY%)(objectCategory=person)(objectClass=user))

Where **XX** is the name of the Display Attribute, and the subsequent terms are search filters.

%QUERY% will be replaced with the search string.

NOTE: Must contain "%QUERY%" and must start with "(" and end with ")".

- Display Attribute: Enter the name of the LDAP field associated with the attribute used for displaying a user name.
- Location (optional): Enter the name of the LDAP field associated with the with the attribute used for listing a location.
- Department Attribute (optional): Enter the name of the LDAP field associated with the attribute used for listing a department.
- Phone Attribute: Enter the name of the LDAP field associated with the attribute used for listing a phone number.
- Server
 - Username: Enter the user name for logging the device into the LDAP server.
 - **Password:** Enter the password associated with the **Username**.
 - Host: Enter the host name or the IP address of the LDAP server.
 - Port: Enter the port number used by the LDAP server to listen for LDAP queries.
 - **DN:** Enter the path in the Directory Information Tree to start the search. for example dc=Mycompany,dc=MyCompany,dc=com.
 - Search: Enter the LDAP search string to use. Add search filters as necessary to narrow the search.

Sample: (&(XX=%QUERY%)(objectCategory=person)(objectClass=user))

Where **XX** is the name of the Display Attribute, and the subsequent terms are search filters.

%QUERY% will be replaced with the search string.

NOTE: Must contain "%QUERY%" and must start with "(" and end with ")".

• **Display Attribute:** Enter the name of the LDAP field associated with the attribute used for displaying a user name.

- Location (optional): Enter the name of the LDAP field associated with the with the attribute used for listing a location.
- **Department Attribute** (optional): Enter the name of the LDAP field associated with the attribute used for listing a department.
- **Phone Attribute**: Enter the name of the LDAP field associated with the attribute used for listing a phone number.
- 4. Click **Connect** to connect to the LDAP server. If a connection to the LDAP server is made, the **Search** button becomes active and a test query can be performed. If a connection to the LDAP server cannot be made, the **Search** button is inactive and does not work.
- 5. Click **Search** to run a test search. The **Search LDAP** dialog box is displayed.

		Search LDAP		×
	Query stempel		General Search	
Name	Number	Department	Location	
Alon Stempel	113113	Technical Publications	Rockleigh	

Search LDAP Dialog Box

- a. Enter the search term in the **Query** field.
- b. Click **General Search**. Search results are displayed in the lower half of the dialog box.
- c. Click **x** to close the **Search LDAP** dialog box.

For more information, refer to Answer ID 5852 in the Online Help on the Crestron website (<u>www.crestron.com/onlinehelp</u>).

Video Display

The **Video Display** screen configures the device for operation with the connected display. Support for CEC, Crestron Connected[®], IP, serial, and infrared profiles are built-in.

AVF Screen - Video Display

CRESTRON.		٩
📑 STATUS		
 	The system is currently online.	
	▼ Video Display	
DEVICE		
APPSPACE	- Video Display Settings	
▼ AVF System	Display Name Display	
External		
 Dialer	Model CEC Controlled-Display	
📕 Video Display		
Touch Screen and Display	Default Input HDMI1	
. Manage		
	Control CEC v	
. AIRMEDIA		
	Save	

To configure the device to work with a connected display, follow this procedure:

- 1. In the **Display Name** field, enter a name for the connected display.
- 2. In the **Model** drop-down list, select the display that is connected to the device.
- 3. Depending on the model selected, different controls are displayed. Complete the required fields to use the selected display device.
- 4. Click **Save** to save the settings.

Touch Screen and Display

Click **Touch Screen and Display** to customize the function and appearance of the touch screen and the connected display.

CRESTRON		•
, STATUS		i
📑 HDMI INPUT 📑 HDMI OUTPUT		The system is currently online.
	 Touch Screen and Display 	
. DEVICE . APPSPACE	- General	
 ▼ AVF System 	Hide Meeting Subject	Disable
External	Hide Meeting Organizer	Disable
 Video Display Touch Screen and Display 	The recent of an and	
📮 Manage	Show Broadcast Message On Touch Screen	Disable
. Log AIRMEDIA	Emergency Message Timeout	10 Minutes
	Non-Emergency Message Timeout	10 Minutes
		Save
	- Touch Screen	
	Enable Custom Backgrounds	Disable
		Save
	- Display Notifications	
	Enable Call Notification	Disable
	Call Notification Timeout	10 Seconds
	Time Remaining Message Starts	5 Minutes
	Time Remaining Message Duration	10 Seconds
	Next Meeting Information Shown	5 Minutes Before Meeting Start
		Save
	- Display Customization	
	Hide Wired Cable Connection	Disable
	Cable Connection Details:	
	Show Calendar or Clock Overlay	Enable
	Show Background Overlay	Enable
	Enable Custom Logo Graphic	Disable
	Enable Custom Backgrounds	Disable
		Save

General

The General section specifies what information is displayed on the touch screen and connected display.

- Set **Hide Meeting Subject** to **Disable** to have the meeting's subject shown. To hide the meeting's subject, set **Hide Meeting Subject** to **Enable**.
- Select **Hide Meeting Organizer** to **Disable** to have the meeting's organizer shown. To hide the meeting's organizer, set **Hide Meeting Organizer** to **Enable**.
- Set Show Broadcast Message on Touch Screen to Enable to show broadcast messages on the device's touch screen (broadcast messages are automatically displayed on the connected display). To prevent broadcast messages from showing on the device's touch screen, set Show Broadcast Message on Touch Screen to Disable.
- Enter the amount of minutes an emergency broadcast message is displayed in the **Emergency Broadcast Timeout** field.

NOTE: Emergency broadcasts are sent from Crestron Fusion. For more information on emergency broadcasts, refer to the Crestron Fusion® Software SSI Module Programming for SW-FUSION Reference Guide (Doc. 7898) at www.crestron.com/manuals.

• Enter the amount of minutes a non-emergency broadcast message is displayed in the **Non Emergency Broadcast Timeout** field.

When all changes are made, click **Save** to save the settings.

Touch Screen

Preloaded background images can be displayed on the device's touch screen. To select a background image for display:

- 1. Set **Enable Custom Backgrounds** to **Enable**. The Background drop-down list displays.
- 2. Select an image from the **Background** drop-down list.
- 3. Click **Save** to set the image as the background image on the CCS-UC-1's touch screen display.

Display Notifications

The **Display Notifications** section configures how notifications are displayed while the device is in use.

- Set **Enable Call Notification** to **Enable** to allow call notifications to be displayed while presenting. Set **Enable Call Notification** to **Disable** to disable notifications for incoming calls.
- Enter the amount of time (in seconds) a call notification message is displayed in the **Call Notification Timeout** field.

- Enter the amount of time before the meeting's remaining time is displayed in the **Time Remaining Message Starts** field.
- Enter the amount of time the meeting's time remaining message is displayed in the **Time Remaining Message Duration** field.
- Enter the amount of time before the next meeting's information is displayed in the **Next Meeting Information Shown** field.

When all changes are made, click **Save** to save the settings.

Display Customization

The **Display Customization** section configures what is shown on the display device when not in use.

- Set **Hide Wired Cable Connection** to **Disable** and enter information in **Cable Connection Details** to display instructions for using cable connections. To hide information on cable connections, set **Hide Wired Cable Connection** to **Enable**.
- To show the clock and calendared events on the center of the display device, set Show Calendar or Clock Overlay to Enable. To remove the clock and calendared events from the center of the display device, Show Calendar or Clock Overlay to Disable.
- Set **Show Background Overlay** to **Enable** to place a monochrome filter over the background images. Set **Show Background Overlay** to **Disable** the filter and show background images in full color.
- A custom logo can be displayed in the lower right corner of the display device when the system is not in use. To use a logo or other graphic, set **Enable Custom Logo Graphic** to **Enable**, and enter the URL where the graphic is located in the **Custom Logo Graphic URL** field. When set to **Disable**, the Crestron logo is displayed.

NOTE: The optimal image size is 480 x 94 pixels. Custom graphics that are larger than 480 x 94 pixels are scaled down while maintaining their aspect ratio. Custom graphics that are smaller than 480 x 94 pixels are not scaled up and should be resized for optimal image display.

• A slideshow of custom backgrounds can be shown on the display device when the system is not in use. To use custom backgrounds, select Enable Custom Backgrounds and enter the URL where the background images are stored in the Add Custom Background Url field. To specify the length of time that each background image is displayed, enter a time (in seconds) in the Interval Between Backgrounds field.

NOTES:

- When Appspace is enabled, custom backgrounds cannot be used. For information on using Appspace, refer to "APPSPACE" on page 29.
- The interface has been designed to use most of the screen area for informational purposes. This feature is intended to for use with corporate colors, branding, and aesthetics to the particular organization and should not be used to add custom instructions for room users.

When all changes are made, click **Save** to save the settings.

Manage

The **Manage** screen is used to enact the changes made in the web pages or revert to the previous settings.

When changes are made to the AVF settings, the device goes offline and the screen below is shown.

AVF Screen - Manage - System Offline

CRESTRON.		٩
STATUS HOMI INPUT HOMI OUTPUT HOMIOUTPUT NETWORK	The system is currently offline, Activate or Revert configuration.	
 DEVICE APPSPACE System External 	Manage Manage Configuration Activate Configuration Revert Configuration	
 Dialer Video Display Touch Screen and Display Manage Log AIRMEDIA 		

Additionally, the device shows the following screen.

Ĩ	
ALL	
Please wait system configuration in prog	ress

Front Panel, System Configuration in Progress

Click **Activate Configuration** to carry out the changes that were made, or click **Revert Configuration** to revert back to the previously saved settings. The screen below is shown.

AVF Screen - Manage - System Online

CRESTRON		٢
STATUS HDMI INPUT	The system is currently online.	
 HDMI OUTPUT NETWORK 	▼ Manage	
DEVICE APPSPACE	- Manage Configuration	
 ▼ ■ AVF ■ System 	Activate Configuration Revert Configuration	
External		
📮 Video Display		
Touch Screen and Display Manage		
📮 Log		

Log

The **Log** screen is used to view and download the device's message logs for analysis.



CRESTRON	
i status Hdmiinput Hdmioutput	The system is currently online.
 NETWORK DEVICE APPSPACE 	✓ Log — AVF Log
 AVF System External Dialer Video Display Touch Screen and Display Manage Log AIRMEDIA 	<pre>cbj: String 17:31:43 069964 :Info: (26) :MBT: State Change: BtDriverNotParied(1) 17:31:43 069964 :Info: (12) :AVF: Custon Device Update. Device: Dial_1 Message: Pair Data2:2 obj: String 17:31:43 075446 :Info: (12) :AVF: Page Change. Panel: Panel_1 Page: Initialize Join: 500 17:31:43 075551 :Info: (12) :AVF: Page Change. Panel: Panel_1 Page: Initialize Join: 900 17:31:45 0699966 :Info: (35) :FTF: Fusion Time Provider Online:True 17:31:46 00:551 :Info: (12) :AVF: Custon Device Update. Device: 6_11 Message: FSN_ Data2:!!DeviceState!! obj:Online String 17:31:46 00:2551 :Info: (35) :[SFF]: SystemTimeUpdate. Control System Time: 06/11/2018 17:31:46 Time To Set: 06/11/2018 17:31:48 Delta : 00:00:00.3370000 17:31:46 022551 :Info: (35) :[SFF]: SystemTimeUpdate Processor Time Post-Set: 06/11/2018 17:31:48 023072 :Info: (35) Processor Timezone: Eastern Standard Time Fusion Raw Timezone: (UTC- 05:00) Eastern Time (US Canada) Regex Timezone: Eastern Time Fusion Matched Timezone: Castern Standard Time 17:31:49 026555 :Info: (35) :[SFF]: SystemTimeUpdate. Control System Time: 06/11/2018 17:31:48 Time To Set: 06/11/2018 17:31:49 Delta : -00:00:00.7810000 17:31:49 026555 :Info: (35) :[SFF]: SystemTimeUpdate. Control System Time: 06/11/2018 17:31:48 Time To Set: 06/11/2018 17:31:49 Delta : -00:00:00.7810000 17:31:49 026608 :Info: (35) Processor Timezone: Eastern Standard Time Fusion Raw Timezone: (UTC- 05:00) Eastern Time (US Canada) Regex Timezone: Eastern Standard Time Fusion Raw Timezone: (UTC- 05:00) Eastern Time (US Canada) Regex Timezone: Eastern Time Fusion Matched Timezone: Eastern Standard Time</pre>

- Click the up or down arrows to scroll through the message log.
- Click **Stop Scrolling** to pause the message log. Click **Scrolling** to resume.
- Click **Download** to download the message log.

AirMedia

Click **AIRMEDIA** to configure the device's AirMedia functionality. The **AIRMEDIA** screen is displayed.

NOTE: For additional details on deploying AirMedia, refer to the AirMedia Deployment Guide (Doc 7693) at <u>www.crestron.com/manuals</u>.

AIRMEDIA Screen

CRESTRON			•
. STATUS			
	▼ Airmedia		
	Code		
	Airmedia	Enabled	
 ■ AVF 	Login Code Mode	Disabled	
System	Login code mode	Random	
External		 Use the following code 	
Dialer			
Video Display	Login Code	1234 Set	
Touch Screen and Display	Display Login Code	Disabled	
Manage	Display Login Code	Disabled	
Log	Ethernet Adapter		
	a contract to appear		
airmedia	Assigned Ethernet Port	O LAN	
		AUX	
	Connection Display Options		
	Show Connection Info	Enabled	
	Connection Info Mode	IP Address	
	Connection Into Mode	Host	
		Host And Domain	
		Custom	
	Custom String		
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	© 2018 Crestron Electronics, Inc.		Privacy Statement Crestron Unified Communication Software License Agreement

Code

To enable AirMedia for wireless presentation, set **AirMedia** to **Enabled**. To turn off **AirMedia**, set **AirMedia** to **Disabled**.

A code can be used to limit access to the device. The code feature can be disabled, randomly generated, or fixed to a specific value. Select one of the following Login Code Modes to specify how the access code is used:

- **Disabled** allows any user with the device's IP address or host name to open a client connection without entering an access code.
- **Random** sets the device to randomly generate an access code. A new code is generated when the last connected presenter disconnects from the device. The access code is displayed on the device's screen when AirMedia is selected.
- Use the following code sets the device to display a user-specified, four-digit access code. Enter a code in the Login Code field and click Set.

To show the access code on the device's screen when AirMedia is selected, set **Display Login Code** to **Enabled**. To hide the login code, set **Display Login Code** to **Disabled**.

Ethernet Adapter

Select which of the CCS-UC-1's Ethernet port connections (LAN for the LAN port or AUX for the AUX port) is to be used for presenting by AirMedia.

Connection Display Options

Select whether connection information is displayed on the connected display device as well as what connection information is displayed.

- Set **Show Connection Info** to **Enabled** to display connection information on the display device. Set **Show Connection Info** to **Disabled** to hide connection information.
- If Show Connection Info to Enabled, select the Connection Info Mode to determine what connection information is presented to room visitors.
 - Select **IP Address** to show the IP address to use for connecting to the system.
 - Select **Host** to show the host name to use for connecting to the system.
 - Select Host And Domain to show the host name and domain name to use for connecting to the device.
 - Select Custom to a custom string to use for connecting to the system. If a custom string is to be used, enter it in the Custom String field.

Enterprise Deployment Options

Crestron has two options for deploying multiple CCS-UC-1 devices across an enterprise. These tools can assist in deploying any number of CCS-UC-1 devices that an organization may need to deploy.

For more information, refer to Answer ID 5719 in the Online Help on the Crestron website (<u>www.crestron.com/onlinehelp</u>).

Crestron XiO Cloud Service

The Crestron XiO Cloud[™] service requires devices to be claimed so they can be managed by the service. To claim a single device or multiple devices, perform one of the following procedures.

Claim a Single Device

1. Record the MAC address and serial number that are labeled on the shipping box or on a sticker attached to the device. The MAC address and serial number are required to add the device to the Crestron XiO Cloud environment.

NOTE: Use the MAC address labelled "MAC Address."

- 2. Open a web browser, and log in to the Crestron XiO Cloud service at <u>https://portal.crestron.io</u>.
- 3. Click the **ENVIRONMENT** menu button (**E**) to display the Environment menu.

Environment Menu

Ì	CRESTRON	Ū.
	ENVIRONMENT	
	ATSG	+ Add Group
	Crestron IT	🛓 Download Inventory
	FSG	% Claim Device
	• . Masters	Sclaim Multiple Devices
	Masters Amsterdam	

4. Click Claim Device. The Claim Device dialog box is displayed.

Claim Device Dialog Box

Claim Device	×
Enter a device's MAC ac for this account. Claime "Unassociated Devices"	
MAC Address	00.10.7f.5d.ff.9a
Serial Number	X 0126424
	Cancel Claim

- 5. Enter the MAC address and serial number recorded in step 1 in the **MAC Address** and **Serial Number** fields, respectively.
- 6. Click **Claim**. A message indicating a successful claiming displays.

NOTE: If an error message displays stating the device does not exist, connect the device to a network that has access to the Internet, wait 15 minutes, and then try again.

7. Click **X** to close the dialog box. The host name of the claimed device appears in the device tree under the group **Unassociated Devices**.

The device can now be managed or assigned to a group. For information on creating environments, managing devices, and managing users with the Crestron XiO Cloud service, refer to the Crestron XiO Cloud Service User Guide Guide (Doc. 8214) at www.crestron.com/manuals.

Claim Multiple Devices

 Record all of the MAC addresses and respective serial numbers in a comma delimited, CSV file, and then save it to a location that is accessible to the computer used to access the Crestron XiO Cloud service. The CSV file should be formatted as shown below:

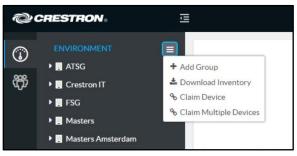
CSV File Format

```
MAC Address, Serial Number
00.10.7e.8b.81.b6,17284712
00.10.7e.8b.8c.87,17284570
00.10.7e.96.83.93,1716JBG01207
00.10.7e.96.92.0a,1716JBG01550
00.10.7e.8b.87.c1,17284670
```

NOTES:

- MAC addresses and serial numbers are labeled on the shipping box or on a sticker attached to the device.
- Use the MAC address labelled "MAC Address."
- 2. Open a web browser, and log in to the Crestron XiO Cloud service at https://portal.crestron.io.
- 3. Click the **ENVIRONMENT** menu icon (**E**) to display the Environment menu.

Environment Menu



4. Click **Claim Multiple Devices** from the drop-down menu. The **Claim Multiple Devices** dialog box is displayed.

Claim Multiple Devices Dialog Box

- 5. Click **Choose** and select the CSV file created in step 1.
- 6. Click **Claim** to claim all of the devices listed in the file. A message indicating the claim status of each device is displayed.

NOTE: If an error message displays stating the device does not exist, connect the device to a network that has access to the Internet, wait 15 minutes, and then try again.

7. Click **X** to close the dialog box. The host names of the claimed devices appear in the device tree under the group **Unassociated Devices**.

The devices can now be managed or assigned to a group. For information on creating environments, managing devices, and managing users with the Crestron XiO Cloud service, refer to the Crestron XiO Cloud User Guide (Doc. 8214) at www.crestron.com/manuals.

Crestron Deployment Tool for PowerShell® Software

Crestron has developed a tool for customers without Crestron XiO Cloud service to allow deployment of multiple devices without the need to configure each device individually. With this tool, an administrator may input all the configuration settings in a single data file, and then use PowerShell® task-based command-line shell and scripting language to configure multiple devices across an enterprise.

Operation

This section provides instructions for using the device.

All user interaction is done through the CCS-UC-1's touch screen. Refer to the following diagram for functions that are available at all times.

NOTE: Depending on the device's configuration, some functions described here may not be available.

The User Interface (Home Screen Shown)

Status bar 🦰 Room Name	2:20	PM	November 8, 2016	
	RESERVED	FOR NEXT		Right Now details
	1()		
	MINU	TES		
	Requiremer	nts Review		
	John Carl	twright		
	12:00 PM -	2:30 PM		
	NIOL			
	NEXT UP: 3:00 PM - 5:30 P	M Daily Status Meeting		 Upcoming meeting information
Help Help			C Extension: 10933	
Footer bar		₹	च − च+	Room extension
Home Present	Call Web Conference	Microphone mute	Volume down Volur	ne up

Tap **(?)** Help to view information about the user interface. If the room where the device is installed has a calling option, the Room Extension is displayed.

The following elements are shown on every screen:

- The Status bar indicates whether the room is currently free or occupied. If occupied, the status icon next to the room name (on the top left) is red. If the room is free, the status icon is blue. The time and date are also displayed in the Status bar.
- The Footer bar contains controls that are always available.

 - Tap ______ to view presentation options. For details, refer to "Present " on page 60.

NOTE: Presentation options are only present on CCS-UC-1 AV W/PS KIT.

- Tap & to view phone call options. For details, refer to "Answer a Phone Call" on page 66 and "Make a Phone Call" on page 67.
- Tap to run a web conference. For details, refer to "Run a Web Conference" on page 80.

NOTE: Presentation options are only present on CCS-UC-1 AV W/PS KIT.

- Tap the mute bar on top of the device or on the screen to mute the built-in microphone and connected CCS-UCA-MIC microphone pods. When muted, the screen is framed in red and the microphone icons on the tops of the CCS-UC-1 and connected CCS-UCA-MIC microphone pods turn red. To unmute, tap the mute bar on top of the device or on the screen.
- Tap \mathbf{d} + or \mathbf{d} to raise or lower the volume.

Join or Schedule a Meeting

The Home screen is used to join a scheduled event or to reserve the conference room.

Tap 🏠 to display the Home screen. The Home screen displays the current status of the room.

Reserved (Join a Meeting)

If the room is reserved for use, the display on the device indicates as such.

Room Name	2:20 PM		November 8, 2016				
	RESERVED FOR	NEXT					
	10						
	MINUTES						
	Requirements Review John Cartwright 12:00 PM - 2:30 PM						
	< NIOL]					
	NEXT UP: 3:00 PM - 5:30 PM D	aily Status Meeting					
⑦ Help			C Extension: 10933				
♠ 🗆	% <i>D</i>	X	ರ− ರ+				

Home Screen - Reserved Room

The user can join the meeting that is currently in session.

1. Tap JOIN > to join the scheduled event. The display shows the event's details.

Room Name	2:46 PM	November 8, 2016
	In Progress 00:03 Requirements Review Location SGGRAPHICSROOM Start 12:00 PM	\bigotimes
		४ द− द+

- 2. Tap JOIN MEETING to join the meeting.
- 3. Tap & for conference call events or for web conference events. The appropriate destination information (phone number, meeting space, etc.) is automatically filled and ready for connection to the event.

Reserved (Join a Skype for Business Meeting)

If the room is reserved for use as a Skype for Business meeting, the display on the device indicates as such.

Home Screen - Reserved Room

AVF 98539		2:11 PM	October 18, 2017
		RESERVED FOR NEXT	
		04 04 Hours Minutes	
		production meeting Alon Stempel 2:00 PM - 6:15 PM	
		JOIN SKYPE® MEETING >	
⑦ Help			S Extension: 12604
	C		월 덕- 덕+

The user can join the meeting that is currently in session.

1. Tap **JOIN SKYPE® MEETING** to join the Skype for Business meeting. The device joins the Skype for Business meeting.

	4:51 PM			September	[.] 19, 2017
In	Skype® Ca	u			
	0				
	S				
	1:00				
2	Participant	S			
6				1 +	
End	Keypad	Hold	Add	Participant	
				-	
			Ř		₫+
	2 End	In Skype® Ca S 1:00 2 Participant End Eeypad	In Skype® Call S 1:00 2 Participants End Keypad II Hold	In Skype® Call S 1:00 2 Participants End Keypad II Hold Add	In Skype® Call S 1:00 2 Participants End Keypad II Hold Add Participant

In Skype Call Screen

The following functions are available during a Skype for Business meeting.

- View participants

Tap (a) to view members of the Skype for Business call. The **Participants** screen is displayed.

Participants Screen

AVF 11658	5:07 PM	September 19, 2017
	Participants:	
	On This Call (2) In Lobby (0)	\bigotimes
	🗧 Test1 🛛 👲	
	astempel@crestron.com	
☆ □		<u>।</u> 🔇 🕹

- Tap **On This Call** to view current call participants.
- Tap & next to a participant name to mute their microphone.
- Tap In Lobby to view waiting invitees.
- Tap X to exit the **Participants** screen.

- End the call

Tap 🔁 to end the call.

- Use the Numeric Keypad

Tap (III) to display the numeric keypad and send dual tone multi frequency (DTMF) tones (to enter extensions, check voicemail, etc.). The keypad screen is displayed.



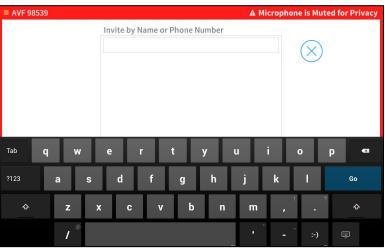
Room Name			2:24 PM	November 8, 2016			
		Dial a N	lumber		\otimes		
		1 4 6HI	2 АВС 5 ЈКL	3 DEF 6 MNO			
		7 PQRS	8 TUV	9 WXYZ			
		*	0 +	#			
☆ □	C				¥	ぱ −	ಧ +

- Tap numbers to send DTMF tones.
- Tap **X** to exit the keypad screen.
- Place a Call on Hold

Tap 🕕 place the call on hold. Tap 🕟 to resume.

- Add a Participant
- 2. Tap 🕢. The invitation screen is displayed.

Invitation Screen



- 3. Enter the name or telephone number of the participant to be added.
- 4. Tap the name or phone number that is displayed. The participant is dialed and added to the call when they answer.

Available (Create a New Meeting)

If the room is available for use, the display on the device indicates as such.

Room Name	2:44 PM	November 8, 2016
	AVAILABLE FOR NEXT	
	16 MINUTES NEXT UP: Daily Status Meeting John Cartwright 3:00 PM - 5:30 PM RESERVE NOW >	
⑦ Help		& Extension: 10933
↑ □ ٩		ছ ব- ব+

Home Screen - Available Room - Limited Time

Home Screen - Available Room - Remainder of Day

Room Name		2:44 PM		Novemb	er 8, 2016
		AVAILABLE			
		FOR THE REST OF THE DAY			
		RESERVE NOW >			
⑦ Help				 Extension 	n: 11484
	Q		×	r 1 -	弌 +
	Ø	\geq	Ē.	4-	1 1

The user can either use the room for the remaining time available or create a new meeting for another time. To create a new meeting, follow this procedure:

1. Tap **RESERVE NOW >** to reserve the room. The **New Meeting** screen is displayed.

Room Name	9:05 AM	November 8, 2016
	New Meeting	\bigotimes
	Starts 9:05 AM	
	9:30 AM	
	Ends 9:45 AM	
	10:00 AM	
@ Help	RESERVE NOW	🖕 Extension: 10933
² □ ♠	s o	⊻ द- द+

New Meeting Screen

The meeting start and end times are automatically populated for the next available 30-minute block (for example, 5:30 to 6:00, 5:45 to 6:15, 6:00 to 6:30, *etc.*). When reserving a meeting space within a current 30-minute block, the start time is rounded down to the nearest 5-minute increment. For example, tapping **RESERVE NOW** at 5:44 pm creates a meeting with a start time of 5:40. If **RESERVE NOW** is tapped at 5:46 pm, the meeting start time would be 5:45 pm. The meeting end time may be set by the user.

NOTE: RESERVE NOW Meetings may only be scheduled for the current day from the device.

- 2. Scroll through the available end times to select the duration of the meeting. The user can reserve the room for three different amounts of time.
 - Until the current half hour interval ends (If the current time is 5:44 pm, the end time for this option is 6:00 pm.) This is the default setting.
 - Until the current half hour interval ends plus 30 minutes (If the current time is 5:44 pm, the end time for this option is 6:30 pm.)
 - Until the current half hour interval ends plus 60 minutes (If the current time is 5:44 pm, the end time for this option is 7:00 pm.)

NOTE: These options are available only if a meeting is not already scheduled during that timeframe.

3. Tap **RESERVE NOW** to book the room.

Present Content

Depending on the configuration, the CCS-UC-1 can present to a room over HDMI or via AirMedia. To view the different presentation options, tap _____. The **Present a Source** screen is displayed.

Present a Source Screen

Room Name	1	1:57 PM			er 8, 2016
	Present	Present a Source			
		?			
	HDMI	AirMedia			
<u>ہ</u>	s D		Ř	4 -	弌 +

Tap **HDMI** to present via a wired HDMI connection or tap **AirMedia** to present wirelessly using AirMedia technology. Alternatively, connect a source to the HDMI cable or connect to the AirMedia address to present automatically.

Sources that have a signal present are indicated with •. Sources that do not have a signal present are indicated with •.

NOTES:

- The HDMI option is only shown when an HDMI source is connected.
- To present with full motion video, select HDMI.

Present via HDMI

To present to a room using a wired HDMI connection:

1. Tap HDMI. The Connect Your Device screen is displayed.

Room Name		1:59 PM		Novemb	er 8, 2016
< Back		Connect Your Device	Stop Presenting 🔊		
		HDMI			
		playing source via HDMI			
☆ 💻	b	$\textcircled{\textbf{0}}$	Ř	弌 −	ជ +

Connect Your Device Screen

- 2. Connect the presentation source to the HDMI cable that is connected to the CCS-UC-1.
- 3. When done presenting, tap **Stop Presenting**. To return to the previous screen, tap **< Back**.

Present via AirMedia

The CCS-UC-1 uses a client application to share a Windows[®] or Mac[®] (hereafter referred to as "computer") desktop. The computer should be able to access the CCS-UC-1 over the network.

Crestron offers a stand-alone application for enterprise deployments. This application features additional connection methods and device management. For details, visit <u>present.crestron.com</u>.

Mobile devices can share their content using the Crestron AirMedia app or the Crestron PinPoint[™] mobile app, which are available for iOS[®] and Android[™] devices. Both apps may be used for full screen sharing on devices running Android 5.0 Lollipop and above or iOS 8 and above. Download the latest version of these apps from the App Store[®] app or Google Play[™] store.

NOTE: For additional details on using AirMedia, refer to the AirMedia Deployment Guide (Doc 7693) at <u>www.crestron.com/manuals</u>.

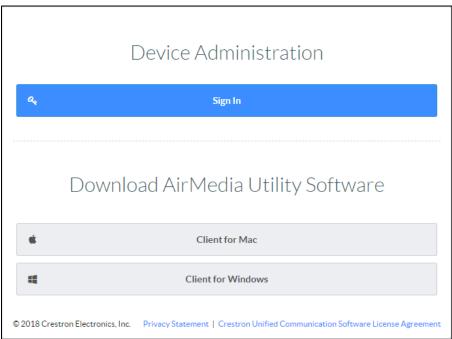
1. Tap **AirMedia**. The **Connect to AirMedia**[®] screen is displayed.

Connect to AirMedia® Screen

Room Name	2:03 PM	November 8, 2016				
< Back	Connect to AirMedia®	Stop Presenting 📉				
To present co	ntent over your WiFi wireless net	work, please:				
?	+ ((())) +	••••				
CONNECT	VISIT	ENTER				
to your wireless network	this browser address: 172.30.176.224	this code: Disabled				
Download the Crestron AirMedia [®] app for your mobile device at: present.crestron.com						
ଜ 💻 🗞		🛓 द- द+				

- 2. Connect the computer or mobile device to the local wireless network.
- 3. Establish a connection to the Crestron Mercury device.
 - From a Computer
 - a. Open a web browser on the computer, and navigate to the web address or IP address displayed on CCS-UC-1. The welcome screen is displayed.

Welcome Screen



b. Click the icon for the computer's operating system to download the client application. The client application requires no installation. The application will be downloaded and run locally.

NOTE: When used on a Mac, the AirMedia client application must be run from within the disk image file. Do not drag the application out of the disk image file.

- From a Wireless Device
 - a. Start the Crestron AirMedia app or the Crestron Pinpoint app.
 - b. Follow the onscreen instructions for connecting to a CCS-UC-1.
- 4. Share content.
 - From a Windows[®] Computer

Once the client application is downloaded, content can be shared.

a. Run the client application. The Enter Code dialog box is displayed.

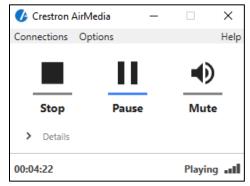
Enter Code Dialog Box

		×
CANCEL	ОК	
	CANCEL	CANCEL OK

NOTE: If a code is not displayed, the presentation controls are displayed.

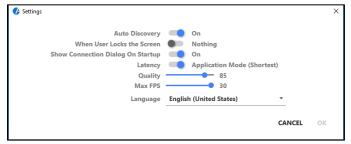
b. Enter the code displayed on the CCS-UC-1 and click **OK**. The client establishes a connection between the computer and the CCS-UC-1. The client also displays the presentation controls on the computer while the contents of the computer screen are shown on the display connected to the CCS-UC-1.

Presentation Controls



- c. Direct the presentation with the following controls:
 - Stop showing the computer's screen.
 - Start showing the computer's screen.
 - Freeze the computer's screen.
 - Mute the audio output to the CCS-UC-1.
 - Minimize the presentation control screen.
 - X Close the client application and the connection between the computer and the CCS-UC-1.
 - Click **Details** for additional controls and information.
 - The **Video Source** control allows the user to select between the primary video source and the extended video source.
 - Information about the connected user, the name of the receiver, the IP address, and access code are displayed.
 - Click Options > Settings to customize AirMedia settings. Adjust the settings below and click OK to save the changes or click Cancel to cancel.

AirMedia Settings Dialog Box



- Auto Discovery should be set to On.
- When User Locks the Screen sets the operation of the client software when the connected computer is locked. Choose from Stop (the client stops sharing), Pause (the client pauses sharing), and Nothing (nothing happens).
- Show Connection Dialog on Startup selects whether connection information is displayed when the client starts.
- Latency selects the amount of latency in transmitting the signal from the computer to the CCS-UC-1. Select Application Mode (shortest) for the least amount of latency (best for slides) or Video Mode (Pre-Buffer) for a longer amount of latency, but suitable for buffering shared video.
- Set the **Quality** of the projected signal (**0** to **100** percent).
- Set the Max FPS (frames per second) refresh rate (1 to 30).

- Select the **Language** displayed by the client application.
- From a Mac

Once the client application is downloaded, content can be shared.

- a. Run the client application.
- b. Follow the on-screen instructions.
- From a wireless device, follow the instructions for sharing content.
- 5. When done presenting, tap **Stop Presenting**. To return to the previous screen, tap **< Back**.

Answer a Phone Call

Depending on the configuration, a CCS-UC-1 can receive a call from another extension or an outside number. To answer a call, follow either of these procedures:

Not in Use

When a call is received, the **Incoming** screen with caller ID information (if available) is displayed.

Incoming Screen						
	ر	9				
Incoming 11484						
	Ignore	Answer				
	₽ -	Ц +				

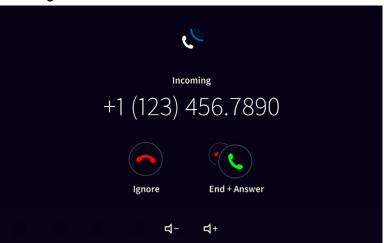
Tap ζ to answer the call or \frown to ignore the call.

During a Call

When a call is received in the midst of another call, the **Incoming** screen with caller ID information (if available) showing is displayed.

NOTE: Incoming call information is only displayed during Bluetooth and SIP phone calls.

Incoming Screen

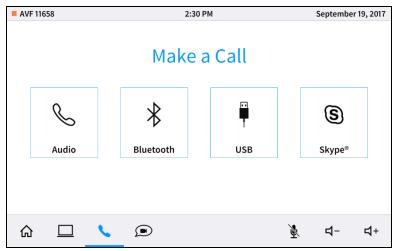


Tap 🦰 to ignore the call or tap 🕙 to end the current call and answer the new call.

Make a Phone Call

Depending on how it is configured, the CCS-UC-1 can make phone calls using an office phone system, a Bluetooth enabled phone, a connected computer running an audio call application, or the built-in Skype for Business application. To view the different calling options, tap $\mathcal{K}_{\mathcal{A}}$. The **Make a Call** screen is displayed.

Make a Call Screen



During a call, a user has the ability to navigate to other screens (for example **Present**). While using another function, the status bar of the screen will change to a green button that the user can tap to quickly navigate back to the call controls.

Return to Active Call Control



Make a Call with an Office Session Initiation Protocol (SIP) System

When configured, the CCS-UC-1 can make phone calls using an office's SIP system. For information on compatible SIP systems, visit <u>www.crestron.com/mercury</u>.

To make a call with the office SIP system, follow this procedure:

1. Tap Audio. The dialing screen is displayed.

AVF 11658		2:30 PM			September 19, 2017	
< Back				\otimes		
	QE	1	2 ABC	3 Def	\frown	
	ІТ	4 6ні	5 JKL	6 MNO		
		7	8	9	Address Book	
		PQRS	тиv 0	wxyz #		
			+	π		
			E.			
☆ □				×	ರ- ರ+	

Dialing Screen

- 2. Calls can be dialed from the speed dial listings, the numeric keypad, or searching an address book. Choose one of the following options to make a call:
 - **Speed Dial:** Tap a speed dial button to call. The device calls the number _ stored for the speed dial button.
 - _ Numeric Keypad: Tap the number to call with the numeric keypad, and then tap 📞.
 - Address Book: Tap Address Book to search the local address book for a specific contact. The **Find Contact to Call** screen is displayed.

Find Contact to Call Screen

AVF 1165	8					2:30	PM				S	eptemb	er 19, 2017
< Back				Find C	Contact to	o Call:							ialer
Tab	q	w		е	r	t	у		u	i	ο	р	A
?123	а		s	d	f	g	h		j	k			+
¢		z	;	x	с \	/	b	n	m		,	?	¢
		/							•		:	:-)	Ĵ

- a. Use the on-screen keyboard to enter the contact name. The CCS-UC-1 shows the search results on the display. Otherwise, tap **Dialer** to cancel and return to the previous screen.
- b. Tap the name of the contact to call them.

The **In Audio Call** screen is displayed.

In Audio Call Screen

Room N	ame			2:30	PM		Novemb	er 8, 2016
				In Aud	io Call			
				,	•			
				0:4	40			
				114	-84			
					\bigcirc			
					(#)			
				End	Keypad			
		•				¥.	ជ -	弌 +
ы		~	Ð			<u>۳</u>	r	' ⁻

- Tap 🔁 to end the call.

 Tap (III) to use a keypad to send dual tone multi frequency (DTMF) tones (to enter extensions, check voicemail, etc.). The keypad screen is displayed.

Keypad Screen

Room Name		2:24 PM			Novemb	er 8, 2016
	Dial a N	lumber		\otimes		
	1	2 ABC	3 DEF			
	4 _{GHI}	5 JKL	6 MNO			
	7 PQRS	8 тиv	9 wxyz			
	*	O +	#			
☆ □				Ř	ឋ-	ಧ +

- Tap numbers to send DTMF tones.
- Tap **X** to exit the keypad screen.

Make a Call with a Bluetooth Phone

When configured, the CCS-UC-1 can make phone calls using a Bluetooth-enabled phone to carry the call while using the CCS-UC-1 as a speakerphone.

Note the following when connecting a Bluetooth phone to the CCS-UC-1.

- The CCS-UC-1 cannot access the Bluetooth phone's contacts or other information.
- The CCS-UC-1 automatically drops and forgets the connection to the Bluetooth phone when a call ends. To make another call, the phone must be reconnected to the CCS-UC-1.
- If a call is not made within five minutes of connecting to a Bluetooth phone, the CCS-UC-1 automatically drops and forgets the connection to the Bluetooth phone. To make a call, the phone must be reconnected to the CCS-UC-1.

To make a call with a Bluetooth phone:

1. Tap **Bluetooth**. The **Connect Your Device** screen is displayed, indicating the Bluetooth name of the CCS-UC-1.

Connect Your Device Screen

Room Name		2:49 PM		Novemb	er 8, 2016
< Back	Conne	ct Your Device			
	_	*			
	Connect your	Bluetooth device to:			
		JohnP			
☆ □			¥	弌 −	ದ +

2. On the Bluetooth phone, connect to the device matching the Bluetooth name of the CCS-UC-1. The CCS-UC-1 indicates that it is connecting with a Bluetooth device and then displays the dialing screen.

Dialing Screen

Room Name		2:51 PM			Novemb	er 8, 2016
< Back	123456	789	\otimes			
	1	2 ABC	3 DEF			
	4 6ні	5 JKL	6 MNO			
	7 PQRS	8 TUV	9 wxyz			
	*	0	#			
		6				
☆ □				<u>r</u>	ぱ −	弌 +

3. Tap the number to call and tap **C**. The **In Bluetooth Call** screen is displayed.

In Bluetooth Call Screen

Room Name		2:	64 PM		Novemb	er 8, 2016
		In Blue	tooth Call			
		Connected	to: AVF Phone			
		:	\ast			
			:26			
		3475	53876			
		End	Keypad			
<u>م</u>	N.			¥	弌 -	ដ +

- Tap 🔁 to end the call.
- Tap (III) to use a keypad to send DTMF tones (to enter extensions, check voicemail, etc.). The keypad screen is displayed.

Keypad Screen

Room Name			2:51 PM			Novemb	er 8, 2016
		Conn	ected to: AVF P	hone			
		Dial a N	lumber		\otimes		
		1	2 ABC	3 DEF			
		4 GHI	5 JKL	6 MNO			
		7 PQRS	8 тиv	9 wxyz			
		*	0 +	#			
û □	6				×	₫ -	ដ +

- Tap numbers to send DTMF tones.
- Tap **X** to exit the keypad screen.

Make a Call with a Connected Computer

When configured, the CCS-UC-1 can make phone calls using a connected computer that is running audio calling software while using the CCS-UC-1 as a speakerphone.

NOTE: The CCS-UC-1 does not provide an Internet connection to the computer to make a call. The computer must have its own Internet connection.

To make a call with a connected computer, follow this procedure:

1. Tap USB. The Connect Your Device screen is displayed.

Connect Your Device Screen

Room Nar	ne		2:56 PM		Novemb	er 8, 2016
< Back			Connect Your Device			
			Connect your laptop to: The USB cable			
		5		×	4 -	ゴ +

2. Connect the USB cable from the CCS-UC-1 to the computer that is running the audio call software. The **USB Connected** screen is displayed.

USB Connected Screen



- 3. On the computer, use the audio call software to make and end the phone call.
- 4. When done, disconnect the computer.

Skype for Business

When configured, the CCS-UC-1 can make Skype for Business calls using the built-in Skype for Business application.

Make a Skype for Business Call

Skype for Business calls can be made to a Skype for Business user, a speed dial entry, or a phone number. Choose one of the following options to make a Skype for Business call:

Call Skype for Business Users

1. Tap **Skype**. The **Find Contact to Call** screen is displayed.

Find Contact to Call Screen

AVF 1165	58				2:30	РМ			Se	ptembe	r 19, 2017
< Back			Find C	Contact to	Call:					Dia	
Tab	q	w	е	r	t	у	u	i	о	р	Æ
?123	а	s	d	f	g	h	j	k	1		4
¢		z	x	c v	b	n	n	۱ ,		?	٥
		/ @						-	·)	Ĵ

2. Use the on-screen keyboard to enter the contact name or email address. The CCS-UC-1 shows the search results on the display.

3. Tap the name of the contact to be called. When the call is answered, the **In Skype Call** screen is displayed.

In S	kype	Call	Screen
------	------	------	--------

AVF 11658	4:51 PM	September 19, 2017
	In Skype® Call	
	S	
	1:00	
	2 Participants	
		(1 ⁺)
View Participants	End Keypad Hold	Add Participant
ଜ 🗆 💊		🔌 承 च+
l		\smile

Call Using Speed Dial

When configured, the Skype for Business application can use a speed dial button to make a call. To use a speed dial button, follow this procedure:

1. Tap **Skype**. The **Find Contact to Call** screen is displayed.

AVF 11658	2:30 PM September 19,	2017
< Back	Find Contact to Call:	
	Dialer	
Tab q	ertyuiop	×
?123 a	s d f g h j k l ←	
☆ z	x c v b n m , ¹ . [?] 🔶	

Find Contact to Call Screen

2. Tap (iii). The keypad screen is displayed.

Keypad Screen

AVF 98539				1:34 PM			September	⁻ 20, 2017
< Back						\otimes	(
		ŀ	IQ	1	2 ABC	3 DEF		
		Engin	eering	4 _{GHI} 7	5 _{ЈКL} 8	6 мно 9		
				PQRS	TUV	WXYZ		
				*	0 +	#		
					C.			
<u>م</u> ۲		ς.				×	4 -	弌 +

3. Tap a speed dial button to call. The device calls the number stored for the speed dial button.

Call a Phone Number

Use the numeric keypad to dial a phone number.

1. Tap **Skype**. The **Find Contact to Call** screen is displayed.

Find Contact to Call Screen

AVF 11658	2:30 PM	September 19, 2017
< Back	Find Contact to Call:	Dialer
Tab q W	ertyu i	o p 🛯
?123 a	sd fghjk	1 ←
<u> </u>	x c v b n m ,	! . ✿
/ [@]	· · ·	- :-) ⁽¹⁾

2. Tap (iii). The keypad screen is displayed.

Keypad Screen

AVF 9853	39			1:34 PM			Septembe	r 20, 2017
< Back						\otimes	(
		,	łQ	1	2 ABC	3 DEF	Find C	ontact
		Engir	neering	4 GHI	5 ЈКL	6 MNO		
				7 PQRS	8 TUV	9 wxyz		
				*	0 +	#		
					ς.			
ώ		ς.				¥	ব-	₫ +

3. Tap the number to call with the numeric keypad, and then tap ζ_{-} .

Skype for Business In-Call Functions

During a Skype for Business call, the **In Skype Call** screen is displayed.

In Skype Call Screen



The following functions are available during a Skype for Business call.

• View participants

Tap (a) to view members of the Skype for Business call. The **Participants** screen is displayed.

AVF 11658	5:07	September 19, 2017	
	Participants:		
	On This Call (2)	In Lobby (0)	\bigotimes
	Test1	¥	
	astempel@crestron.cd	om 🧕	
			🗞 承 🗗

- Tap **On This Call** to view current call participants.
- Tap 💺 next to a participant name to mute their microphone.
- Tap In Lobby to view waiting invitees.
- Tap **X** to exit the **Participants** screen.
- End the call

Tap 🔁 to end the call.

• Use the Numeric Keypad

Keypad Screen

Tap (iii) to display the numeric keypad and send dual tone multi frequency (DTMF) tones (to enter extensions, check voicemail, etc.). The keypad screen is displayed.

Room Name			2:24 PM			Novemb	er 8, 2016
		Dial a N	lumber	\otimes			
		1	2 ABC	3 DEF			
		4 GHI	5 JKL	6 MNO			
		7 PQRS	8 TUV	9 wxyz			
		*	0 +	#			
☆ □	C				No.	4 -	ಧ +

- Tap numbers to send DTMF tones.
- Tap X to exit the keypad screen.
- Place a Call on Hold

Tap (\bullet) place the call on hold. Tap (\bullet) to resume.

- Add a Participant
 - a. Tap 🖭. The invitation screen is displayed.

Invitation Screen

■ AVF 98	539								Microp	hone is M	luted fo	r Privacy
				Invite	by Name c	or Phone	Number					
										X		
										C		
				_	_	_	_	_	_			
Tab	q	w		е	r	t	У	u	i	0	р	
?123	a		s	d	f	g	h	j	k			Go
¢		z	x		c v	b	n		n	, .	?	¢
		/							•	:-)) [Ĵ

b. Enter the name or telephone number of the participant to be added.

c. Tap the name or phone number that is displayed. The participant is dialed and added to the call when they answer.

Run a Web Conference

When configured, the CCS-UC-1 can run a web conference using a connected computer that is running web conferencing software. The CCS-UC-1 provides the speakerphone, video display, and camera capabilities (when equipped).

NOTE: The CCS-UC-1 does not provide an Internet connection to the computer to run a web conference. The computer must have its own Internet connection.

To run a web conference, follow this procedure:

1. Tap . The Web Conference screen is displayed.

Room Name	2:56 PM	November 8, 2016
	Web Conference	
Т	o start a web conference, plea	ise:
	+ Q ·	+ <u>ا</u>
HDMI	USB	CAMERA
Plug the HDMI cable into your laptop to present on the display	Plug the USB cable into your laptop to use this as your audio device	Set your software to use the room camera
☆ □ %		⊻ द- द+

Web Conference Screen

2. Connect the HDMI cable from the CCS-UC-1 to the computer that is running the web conference.

3. Connect the USB cable from the CCS-UC-1 to the computer that is running the web conference software. The **USB Connected** screen is displayed.

USB Connected Screen

Room Name	2:56 PM	November 8, 2016
< Back	USB Connected	
	Speakerphone connected via USB Cable	
ଜ □		⊻ प- प+

- 4. On the computer, set the web conference software to use the room camera attached to the CCS-UC-1.
- 5. Start the web conference.
- 6. When the conference is over, end the conference.
- 7. Disconnect the USB and HDMI cables from the computer.

Invite the CCS-UC-1 to a Meeting (Schedule the Room)

The CCS-UC-1 can be reserved using either the Skype for Business program or $\mathsf{Microsoft}^{\texttt{B}}$ $\mathsf{Outlook}^{\texttt{B}}$ software.

Reserve from Skype for Business Program

To add the room from the Skype for Business program, perform the following procedure:

- 1. Join the meeting from a computer or mobile device.
- 2. Click Invite More People.
- 3. Search for the room name (the room name is on the CCS-UC-1's display) and click **OK**.
- 4. Answer the call from the CCS-UC-1.

Reserve from Microsoft Outlook

To add the room from Microsoft Outlook, perform the following procedure:

- 1. Open the calendar item in Outlook on the computer or mobile device.
- 2. Add the CCS-UC-1 in the **To:** field, and send the update. If the meeting is accepted, it will appear on the room calendar shortly.
- 3. Join the meeting from the CCS-UC-1.

Troubleshooting

The following table provides troubleshooting information. If further assistance is required, contact a Crestron customer service representative.

TROUBLE	CAUSE	CORRECTIVE ACTION
The microphone mute LED on top of the CCS-UC-1 is lit blue.	The CCS-UC-1 is not receiving sufficient power for standard PoE+ (IEEE 820.3at) operation (for example, only receiving power from a standard PoE source).	Connect a PoE+ source or connect the PW-2420RU power pack (sold separately and included with the CCS-UC-1 W/PS KIT or CCS-UC-1-AV W/PS KIT).
The CCS-UC-1 displays the screen below, with the message "PoE power detected, device requires PoE+ power. Please connect a PoE+ power supply and reboot."	The CCS-UC-1 is not receiving sufficient power for standard PoE+ (IEEE 820.3at) operation (for example, only receiving power from a standard PoE source).	Connect a PoE+ source or connect the PW-2420RU power pack (sold separately and included with the CCS-UC-1 W/PS KIT or CCS-UC-1-AV W/PS KIT).
PoE power detected, device requires PoE+ power. Please connect a PoE+ power supply and reboot.		
The CCS-UC-1 is not receiving PoE+ power from a Cisco® PoE+ switch.	The Cisco switch's Link Layer Discovery Protocol (LLDP) is disabled.	Configure the Cisco switch to enable LLDP. For example, to enable LLDP on some Cisco switches, use the following console commands:
		Switch# configure terminal Switch(config)# lldp run

CCS-UC-1 Troubleshooting

Appendix: Configure Exchange for Use with CCS-UC-1

Skype for Business can provide single touch join functionality on its client devices. The image below shows a reserved Skype for Business meeting where the CCS-UC-1 is able to read the join information from the body of the scheduling service. Tapping **JOIN SKYPE® MEETING** causes the CCS-UC-1 to join the Skype for Business call.

For information on supported versions of Skype for Business and Exchange, refer to Answer ID 5829 in the Online Help on the Crestron website (www.crestron.com/onlinehelp).

AVF 98539		2:11	PM		Octobe	r 18, 2017
		RESERVED	FOR NEXT			
		04 04				
		HOURS	MINUTES			
	Г	production meeting Alon Stempel 2:00 PM - 6:15 PM JOIN SKYPE® MEETING >				
	L					
Help				ç	Extension	: 12604
	6			Ř	₫ -	ដ +

Home Screen - Reserved Room

There are several reasons the **JOIN SKYPE® MEETING** button may not display:

- The calendar body is not available to the CCS-UC-1
- The CCS-UC-1 is not logged in to Skype for Business
- The meeting was not scheduled as a Skype for Business meeting
- The join information in the body of the scheduled meeting was not available to the CCS-UC-1

Enable Resource Account Body for One Touch Join

By default, resource accounts do not include a body for their invitations. To have resource accounts that are used with the CCS-UC-1 include a body in their invitations, perform the following procedure.

NOTES:

- Change data within the chevrons before executing commands.
- Both on-premises and Office 365 deployments are affected.

1. Access PowerShell on the domain and enter the following command for the account.

```
Set-CalendarProcessing <account name> -DeleteComments $false -
DeleteSubject $false
```

2. Run the following script:

////Provisioning 0365 Lync/Skype Account////
//Open Powershell - Make connection to 0365
//Change Data in carrots before executing commands.
Set-ExecutionPolicy Unrestricted
\$org="<cloudaccount>.onmicrosoft.com"
\$cred=Get-Credential <useraccount>@\$org
\$sess=New-PSSession -ConfigurationName microsoft.exchange Credential \$cred -AllowRedirection -Authentication basic ConnectionUri https://ps.outlook.com/powershell
Import-PSSession \$sess
//Send Whatever commands you want.

Refer to <u>https://technet.microsoft.com/en-us/library/dn975125.aspx</u> for more information.

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