Collaboration Endpoint Software CE9.5
SEPTEMBER 2018

Getting Started Guide

For DX, MX, SX, and Room Series

Thank you for choosing Cisco!

Your Cisco product has been designed to give you many years of safe, reliable operation.

This part of the product documentation is aimed at administrators working with the setup of the Cisco TelePresence products running Collaboration Endpoint software.

Our main objective is to address your goals and needs. Please let us know how well we succeeded!

Please visit the Cisco web site regularly for updated versions of this guide.

The user documentation can be found on
▸ https://www.cisco.com/go/telepresence/docs.

How to use this guide

The top menu bar and the entries in the Table of contents are hyperlinks. You can click them to go to the topic.

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Chapter 1

Introduction

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About this guide

This document goes through the basic configuration of your video conference system.

You can find the information about system assembly and installation in the Installation guide for your product.

Cisco TelePresence endpoints covered in this guide

DX Series:

- DX70
- DX80

MX Series:

- MX200 G2
- MX300 G2
- MX700
- MX800

SX Series:

- SX10 Quick Set
- SX20 Quick Set
- SX80 Codec

Room Series:

- Room Kit
- Room Kit Plus with Codec Plus
- Room Kit Pro with Codec Pro
- Room 55
- Room 55 Dual
- Room 70
- Room 70 G2

NOTE: This guide doesn't cover information on Cisco Webex registered devices. For more information on Cisco Webex registered room and desk devices, visit:

▸ https://collaborationhelp.cisco.com

User documentation

You can download the user documentation from the Cisco web site, go to:
▸ https://www.cisco.com/go/telepresence/docs

Read how to find additional documentation in the
▸ User documentation on the Cisco web site appendix.

Software

You can download the software for your product from the Cisco web site, go to:
▸ https://www.cisco.com/cisco/software/navigator.html

Cisco contact

On our web site you can find an overview of the worldwide Cisco contacts.

Go to: ▸ https://www.cisco.com/web/siteassets/contacts

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How to configure your system

Use a provisioning system, or configure each video system individually

Provisioning allows video conferencing network administrators to manage many video systems simultaneously. In general, you only have to put in the credentials of the provisioning server to each video system; the rest of the configuration is done automatically.

Without a provisioning system, you must configure each video system individually. To be able to make calls, you must set the IP address, if not provided by the network, and SIP/H.323 parameters. You should also set the correct time and date.

Basic configuration with or without a provisioning system is described in this guide.

User interfaces

The principal operating device for your Cisco TelePresence video conference system is either a remote control or a Touch controller. The remote control is only available for the SX10 and SX20.

You can configure your system through its web interface, if the system is already connected to a network and you know the IP address. A limited set of configurations is also available on the Touch controller and the on-screen menu.

We describe the web interface, the on-screen setup assistant and the Touch controller in the following chapter.

Passphrase

Initially, no passphrase is set for the default *admin* user. It is mandatory to set a passphrase for any user with ADMIN rights in order to restrict access to system configuration. This includes the default admin user.

You can read more about how to set the passphrase in the section "Passphrase" on page 18.

Wi-Fi on DX70, DX80, and Room series

You can use Wi-Fi to connect your DX70, DX80, or Room series device. You can setup the connection either during the initital setup, or from the settings menu at a later point.

You can read more about how to set the connection in the section "Wi-Fi on DX70, DX80, and Room series" on page 30.

Chapter 2

User interfaces

Web interface

You access the web interface by entering your system's IP address in the address bar of a web browser; then sign in. The video conference system is delivered with a default user account with the user name *admin* and no passphrase set.

Recommended browsers: The latest releases of Internet Explorer, Mozilla Firefox, Opera, Chrome or Safari.

The administrator guide for your product describes in detail how the web interface is organized, and the settings it provides access to.

System Configuration page

When signed in, you can open the *Configuration* page from the *Setup* menu.

You can access all configuration settings from this page. The configurations described in the following chapter can be found here.

To control the settings on your system, view the *Status* section. You can find it under the *Setup* menu.

▸Read how to configure the system on the web interface on page 13.

Configuration sub-menu

You can open the Configuration page from the Setup menu
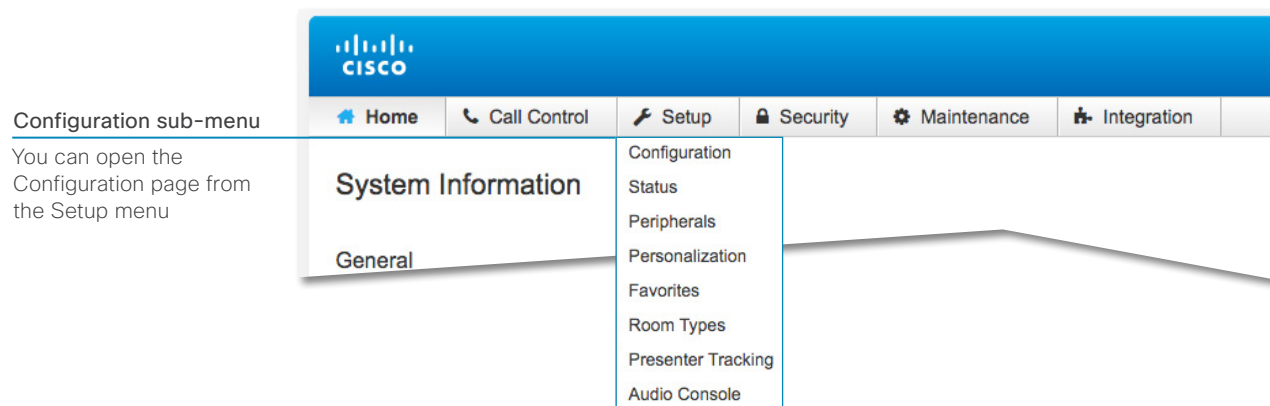
TRC6 remote control

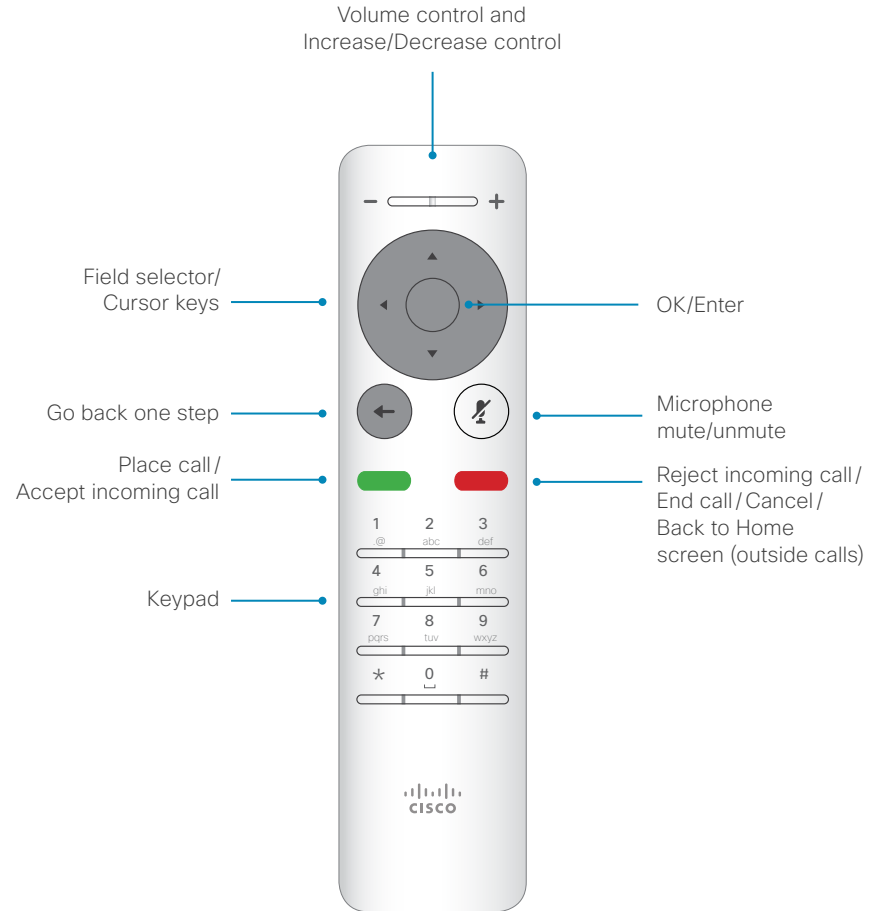When you pick up the remote control, the system wakes up.

Use the *Cursor* controls to move about the screen and press *OK/Enter* to open the selected menu field.

Use the *Cancel* key to exit a menu (and return to the *Home* screen) undoing any changes. Use the *Back* key to go just one step back.

Make sure the remote control has working batteries (2 x AAA batteries).

When you start the system for the first time, the Setup assistant starts automatically.

▸ Read how to configure the system with the on-screen setup assistant on page 20.

Volume control and
Increase/Decrease control

Field selector/
Cursor keys

OK/Enter

Go back one step

Microphone
mute/unmute

Place call /
Accept incoming call

Reject incoming call /
End call / Cancel /
Back to Home
screen (outside calls)

1 @	2 abc	3 def
4 ghi	5 jkl	6 mno
7 pqrs	8 tuv	9 wxyz
★	0	#

Keypad

alıılı
CISCO

Home screen and Touch controller

When you start the system for the first time, the Setup assistant starts automatically.

The home screen contains the same menu's and activities on the Touch controller, on the DX70 and DX80 integrated touch screen, and on the on-screen display when you use a remote control.
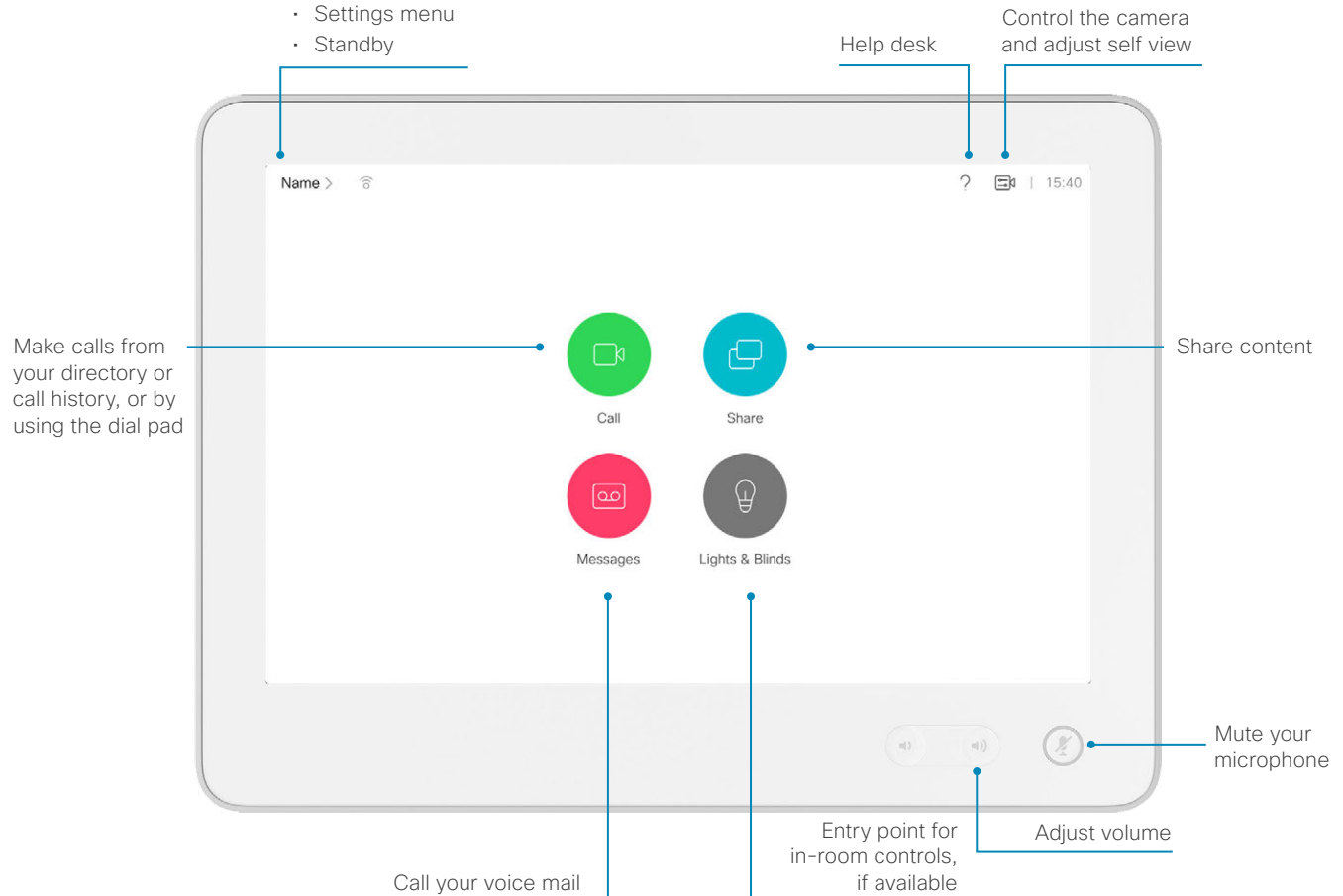
The Touch controller, and its use, is described in full detail in the user guide for your video conference system.

Not all settings are available on all products; therefore the touch buttons shown below may or may not be present on your system.

Here you can find:
· Do not disturb
· Forward calls
· Settings menu
· Standby

Help desk

Control the camera and adjust self view

Name > 🔊   ? ▭◄ | 15:40

Make calls from your directory or call history, or by using the dial pad

Call

Share

Share content

Messages

Lights & Blinds

Mute your microphone

Call your voice mail

Entry point for in-room controls, if available

Adjust volume

Settings and system information

To access the settings menu, and to find device information, navigate to upper left corner of the screen. Then go to *Settings*.

MySystem >

? | 13:12

MySystem

Do not disturb
All incoming calls will be rejected

Forward all calls to...

Forward all calls to Voicemail

Issues & diagnostics

Settings

Standby
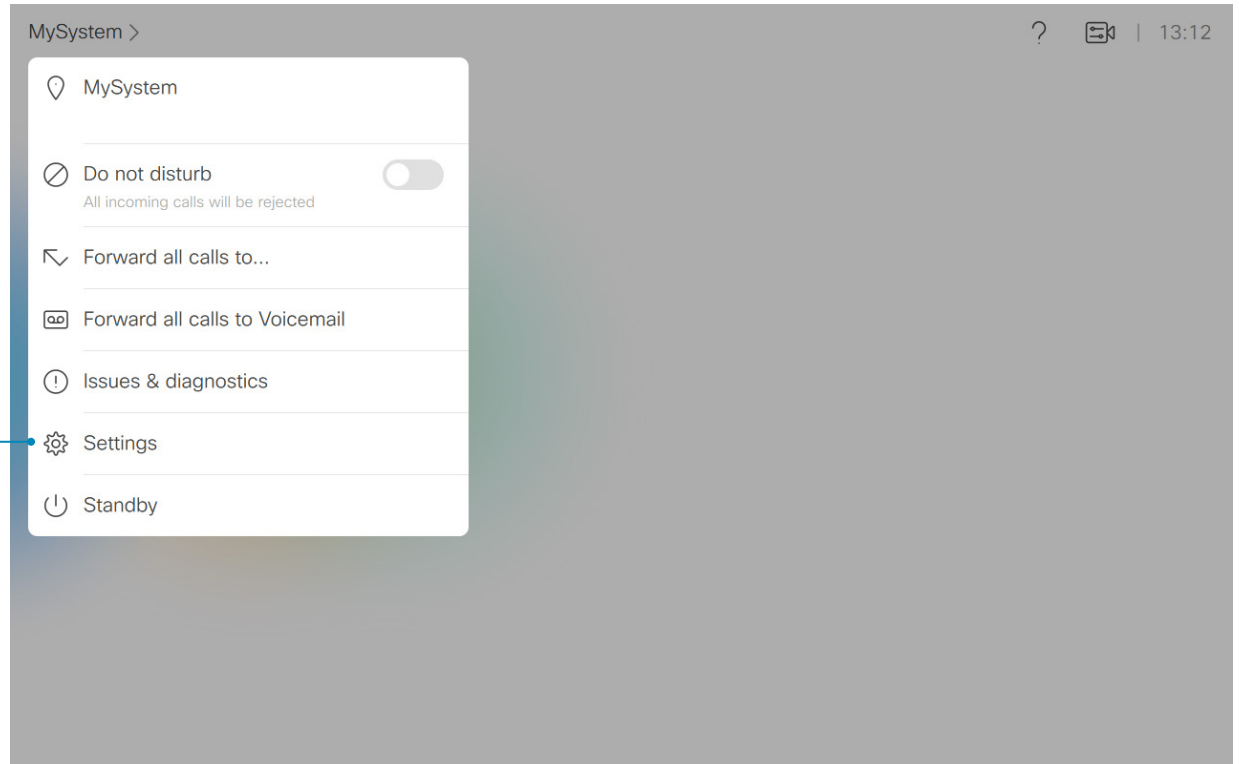
The Settings menu

Not all settings are available on all products; therefore the menu items shown to the right may or may not be present on your system.

Some of these settings are locked and you can access them by entering your admin user name and passphrase.

Settings menu

After the initial set up, you can revisit the configurations and more in the *Settings* menu:

- About this device: Shows the basic system information.
- *Issues & logging:*
  - *Sound check:* Check that the device can recieve ultrasound.
  - *Microphone check:* Check that the microphone is working. If you are using an external microphone, use this test to adjust its location.
  - *Touch panel network information:* Check the current network information for the Touch 10 controller.
  - *Extended logging:* Enable and disable extended logging for diagnostics purposes.
- *Screen adjustment*: Adjust display and system settings for the correct rendering of video and graphics.*
- *Presentation*: Test presenting content from your laptop using an HDMI or VGA cable.
- *Bluetooth*: Connect to a Bluetooth headset.
- *Ringtone and volume*: Set the default volume level and select a ringtone.
- *Network connection*: Change the IPv4 settings, if those have not been configured by autoprovisioning or the network. VLAN settings are also available.
- *Network setup*: Change the IPv4 settings, if those have not been configured by autoprovisioning or the network. VLAN and Wifi settings are also available.**
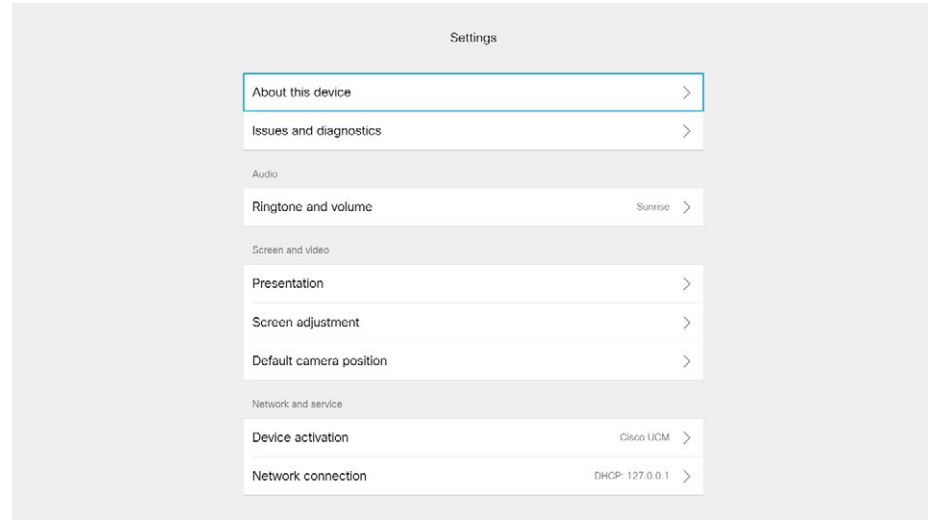
- *Device activation*: Change provisioning settings, if those have not been configured by autoprovisioning.
- *Default camera position*: Set the default camera position for future calls.
- *Pair against another system*: Pair a remotely paired Touch 10 controller to another system.
- *Restart:* Restart the device.
- *Factory settings*: Reset your video system to its factory settings. By doing this, you will lose your current registration. You cannot undo a factory reset.

*For SX10, SX20, Room Kit, Room Kit Plus, and Room Kit Pro only.

**For DX70, DX80, and Room series only.

Chapter 3

Configuration:
Web interface

Web interface

You have to use the Touch controller or the remote control for the configurations, until you know your system's IP address.

The configurations described in this chapter can also be found on the Touch controller under Administrator settings. You must enter the administrator passphrase to access that page.

Find the IP address

If you have a Touch controller, tap the device name in the upper left corner and tap *Settings*. You can find the IPv4 address and/or IPv6 address in the *About this devices* section.

If you have a TRC6 remote control, navigate to the upper left corner on the home screen and further to *Settings* and *About this device*.

Sign in to the web interface

1. Open a web browser and enter the system's IP address in the address bar.

2. Enter your user name and passphrase and click *Sign In*.

The default user name is *admin* with no passphrase set.

If you are not able to connect to the system:

- Make sure the system and computer are connected to the same network.
- Make sure the system is switched on.

If the system has just been switched on, wait a few minutes to allow the system to start up.
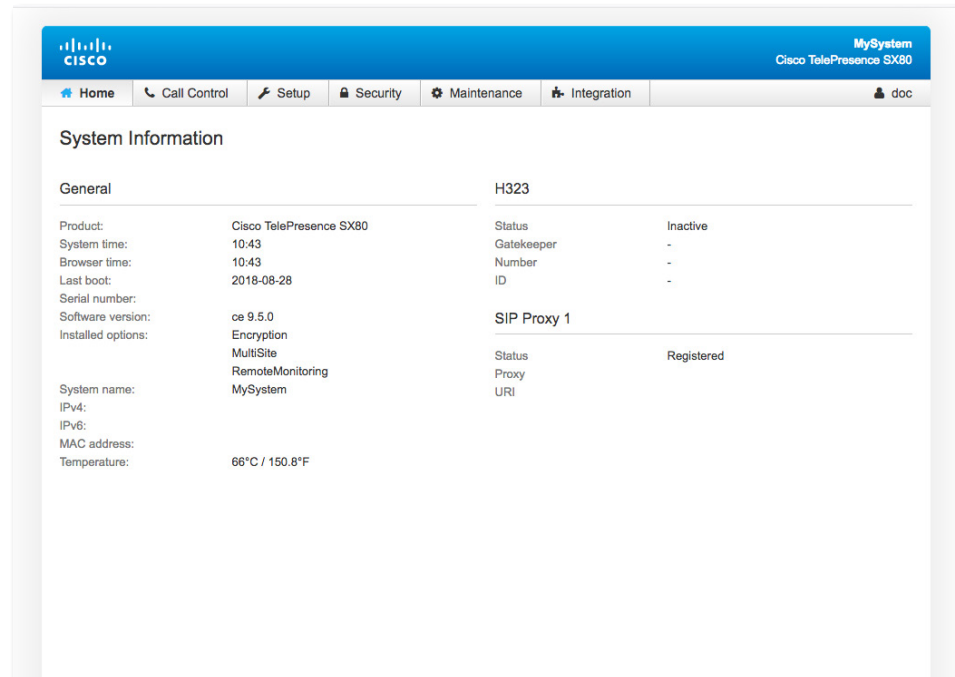
Provisioning set-up

(When using a provisioning system)

If in doubt for any of the parameters below, contact your provisioning system provider.

See the administrator guide for your product, to find more information about the individual provisioning settings.

Select provisioning infrastructure

1. Go to the *Setup* tab, and click *Configuration*.

2. Open the *Provisioning* settings from the left column.

3. Select a provisioning infrastructure from the *Mode* drop down list:
   · **TMS** – Cisco TelePresence Management System (Not available for SX10)
   · **VCS** – Cisco Video Communication Server
   · **CUCM** – Cisco Unified Communications Manager
   · **Auto** – The system starts provisioning by first trying VCS, then TMS and finally CUCM.
   · **Edge** – CUCM via Expressway

If you select **Off**, all configurations must be set manually.

Set the required provisioning parameters

Which parameters to set depends on the infrastructure that you selected.

TMS

1. It may be required to authenticate the video system with Cisco TMS. If so, enter *LoginName* and *Password* in the respective input fields.

2. Enter the IP address or DNS name of the Cisco TMS server in the *Address* input field under *ExternalManager*.*

3. Enter the *Path* to the provisioning service in the corresponding input field.

VCS

1. It may be required to authenticate the video system with the Cisco VCS. If so, enter *LoginName* and *Password* in the respective input fields.

2. Enter the IP address or DNS name of the Cisco VCS in the *Address* input field under *ExternalManager*.*

3. Enter the SIP *Domain* for the Cisco VCS in the corresponding input field.

Have a look at the ▸Cisco VCS provisioning appendix for more information about VCS provisioning.

Unified Communications Manager

Enter the IP address or DNS name of the CUCM provisioning server in the *Address* input field under *ExternalManager*.*

You can find more details about setting up CUCM provisioning in the ▸Administering CE endpoints on CUCM guide.

CUCM via Expressway**

Upon ordering the CUCM via Expressway service, you have received a username, password, and domain name.

1. Enter the username in the *LoginName* input field.

2. Enter the password in the *Password* input field.

3. Enter the domain name in the *Domain* input field under *ExternalManager*.

In some cases, you must manually enter the Expressway address. Enter the address you have received upon ordering in the *Address* input field under *ExternalManager*.

If you are changing a value setting,
you have to always click *save* to confirm the change.

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* The DHCP server can be set up to provide the External Manager address automatically (Option 242 for TMS; Option 150 for UCM). Any input set up here overrides the setting provided by DHCP.

**For CUCM via Expressway to show up as provisioning option for your video system, you must have the encryption option key installed.

IP settings

(When not set by a provisioning system)

Your video conference system supports IP version 4 (IPv4), IP version 6 (IPv6) and Dual, which is the default setting. In all three cases, the IP parameters can be assigned automatically by the network, or you can set everything manually. When set to Dual, the network interface can operate on both IP versions, and have both an IPv4 and an IPv6 address.

If you wish to set the parameters manually, contact your network administrator to obtain the required parameters.

If you choose to set the IP settings manually while using the Dual mode, you have to set both the IPv4 and the IPv6 settings. Start from step 2 in the instructions.

If your system is provisioned automatically, these IP settings may be overridden by the provisioning system.

If an IPv4 or IPv6 address is already assigned to the system, you can find it on the System Information page. Go to the *Setup* tab and choose *Status* and *Network*.

NOTE: It is not recommended to manually change the IP address using the web interface, or a remotely paired Touch controller.

To set or change the IPv4 settings

Go to the *Setup* tab and click *Configuration*.

1. **Choose IP version**

   Click the *Network* settings in the left sidebar. Choose **IPv4** from the *IPStack* drop down list.

2. **Choose automatic or manual IP assignment**

   Scroll down the page to the *IPv4* section and choose **DHCP** from the *Assignment* drop down list, if you want automatic IP assignment; or **Static**, if you wish to set the IP address manually.

3. **If you wish to set IP Assignment manually**

   In the *IPv4* section, enter the *Address*, *Gateway* and *SubnetMask* in the corresponding input fields.

   Scroll up to the *DNS* section and enter the DNS server address in the *Server 1 Address* input field.

To set or change the IPv6 settings

Go to the *Setup* tab and click *Configuration*.

1. **Choose IP version**

   Click the *Network* settings in the left sidebar. Choose **IPv6** from the *IPStack* drop down list.

2. **Choose automatic or manual IP assignment**

   Scroll down the page to the *IPv6* section and choose **DHCPv6**, **Autoconf** or **Static** from the *Assignment* drop down list according to your network requirements.*

3. **If IP Assignment is Static: Set the IP addresses**

   Enter the system IP address in the *Address* input field. Optional: Enter the gateway address in the *Gateway* input field.

4. **If IP Assignment is Static or Autoconf: DHCPOptions**

   Choose **On** or **Off** from the *DHCPOptions* drop down list according to your network requirements.**

5. **If DHCPOptions is Off: Configure DNS and NTP**

   Scroll up to the *DNS* section, and enter the DNS server address in the *Server 1 Address* input field.

   Open the *NetworkServices* settings from the left sidebar, and scroll down to the *NTP* section. Enter the NTP server address in the *Server 1 Address* input field. Set *Mode* to *Auto*.

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* IP Assignment:
DHCPv6: All IPv6 addresses, including options like the DNS and NTP server addresses, are obtained automatically from a DHCPv6 server.
Autoconf: The system and gateway IP addresses will be assigned automatically. The options, e.g. NTP and DNS server addresses, must be set/assigned according to the DHCP Options setting. **
Static: The system and gateway IP addresses must be configured manually. The options, e.g. NTP and DNS server addresses, must be set/assigned according to the DHCP Options setting. **

** DHCP Options:
On: The IP parameters, like the DNS and NTP server addresses, will be obtained automatically from a DHCPv6 server.
Off: The IP parameters, like the DNS and NTP server addresses, must be set manually.

If you are changing a value setting, you have to always click *save* to confirm the change.

Configure H.323 and SIP

(When not set by a provisioning system)

To get online and ready to place and receive calls, your system must be set up properly. Your system uses either the H.323 protocol or the SIP protocol for video calls.

The diagnostics on your system will indicate if there is a problem with H.323 or SIP registering.

If you wish to change the other H.323 or SIP settings, see the administrator guide for your product.

For networks administered through Cisco TMS (Cisco TelePresence Management Suite), your Cisco TMS adminis-trator will help you to get online.

You can find information about administering through Cisco UCM in the ▸Administering CE endpoints on CUCM guide.

H.323

If in doubt for any of the parameters below, contact your system administrator or your service provider.

1. Go to the *Setup* tab, and select *Configuration*.

2. Open the *H323* settings from the left sidebar.

3. Under the *H323Alias* heading enter the *E164* and the *ID* number in the corresponding input fields.

4. Enter the *Gatekeeper Address* in the corresponding input field.

5. If the H.323 gatekeeper requires authentication, and you want your system to authenticate itself to the gatekeeper, go to *Authentication* and select *On* in the *Mode* drop down list. Then enter the *LoginName* and *Password* in the corre-sponding input fields.

   Otherwise, select *Off* in the *Mode* drop down list.

SIP

If in doubt for any of the parameters below, contact your system administrator or your service provider.

1. Go to the *Setup* tab, and select *Configuration*.

2. Open the *SIP* settings from the left sidebar.

3. Enter the SIP URI in the *URI* input field, and optionally a display name in the *DisplayName* input field.

4. Select the preferred transport protocol from the *DefaultTransport* drop down list. If you select *Auto*, the system first tries to connect using Tls, then TCP, and finally UDP.

5. Select a proxy type in the *Type* drop down list. The default type is *Standard*. You can use *Cisco* when registering to CUCM.

6. Enter the *Proxy 1 Address* in the corresponding input field

7. If the SIP proxy requires authentication, you must enter a login name and password to authenticate your system. Go to *Authentication* and enter the *UserName* and *Password* in the corresponding input fields.

If you are changing a value setting,
you have to always click *save* to confirm the change.

Date, time and location

(When not set by a provisioning system)

We recommend you check that the date and time settings are correct when you set up your video conference system. The system uses this information for example to time stamp messages transmitted to gatekeepers and other network elements.

If your system is provisioned automatically, these settings may be overridden by the provisioning system.

1. Go to *Setup* tab and select *Configuration*. Open the *Time* settings from the left column.

2. Select your preferred date format, time format, and the time zone from the corresponding drop down lists.

3. Open the *NetworkServices* settings from the left side bar.

4. Under the *NTP* section select *Auto*, *Manual* or *Off* in the *Mode* drop down list.*

   a. If you select *Manual,* enter the NTP server address in the *Address* input field.

   b. If you select *Off*, you have to enter the time and date manually using either the Touch controller (*Settings > Administrator > Date, Time & Location*) or on the command line interface (xCommand Time DateTime Set) .

5. To verify the time settings, go to *Setup* and click *Status*. Open *Time* status from the left side bar.

If you are changing a value setting,
you have to always click *save* to confirm the change.

* NTP mode:
Auto: The time is regularly updated using an NTP server. The NTP server address is automatically obtained from the network (DHCP).
Manual: The time is regularly updated using an NTP server. You must manually enter the NTP server address.
Off: You must set the time manually. The time is not updated automatically.

Passphrase

You need a user name and a passphrase to sign in to the web and command line interfaces of your system. You also need the system passphrase to access the administrator and advanced settings on the Touch controller.

The video conference system is delivered with a default user account with the user name admin and no passphrase set. This user has full access rights to the system.

NOTE: Initially, no passphrase is set for the default admin user. It is mandatory to set a passphrase for any user with ADMIN rights in order to restrict access to system configuration. This includes the default admin user.

A warning, saying that the system passphrase is not set, is shown on screen until you set a passphrase.

Make sure to keep a copy of the passphrase in a safe place. You have to factory reset the unit, if you have forgotten the passphrase.

Set the system/codec passphrase

NOTE: We strongly recommend that you set a passphrase for the admin user to restrict access to system configuration.

1. Click your user name in the upper right corner, and select *Change Passphrase*.

2. Enter the *Current passphrase*, the new *Passphrase*, and repeat the new passphrase in the corresponding input fields.

   The passphrase format is a string with 0–64 characters.

   If a passphrase is not currently set, use a blank space for *Current passphrase*.

3. Click *Change passphrase*.

Chapter 4

Configuration:
Setup assistant

Setup assistant

When you start the system for the first time, the setup assistant starts automatically. Navigate through the setup with either a remote control or from the touch screen.

To be able to make calls your system needs an IP address and it needs to be registered to a service. If your system is automatically provisioned, the IP and call service settings are automatically configured.

If your device supports Wi-Fi, you see an option to connect to a network during the first time setup. On how to set up the connection, see "Wi-Fi on DX70, DX80, and Room series" on page 30.

NOTE: This guide doesn't cover information on Cisco Webex registered devices. For more information on Cisco Webex room and desk devices, visit:

▸ https://collaborationhelp.cisco.com

Access the settings after initial setup

Select the device name in the upper left corner on the home screen and navigate to *Settings*. Select the setting you wish to change.

No image on external screen

If the menu doesn't show up on the screen, make sure that:

- The screen is connected and has been switched on.
- The correct input is selected on the screen.
- The remote control has batteries installed.
- The system is switched on.

If the system has just been switched on, wait a few minutes to allow the system to start up.

If you still can't see the on-screen menu, make sure the monitor cable is connected to the video output connector. If in doubt, see the installation guide for your product.
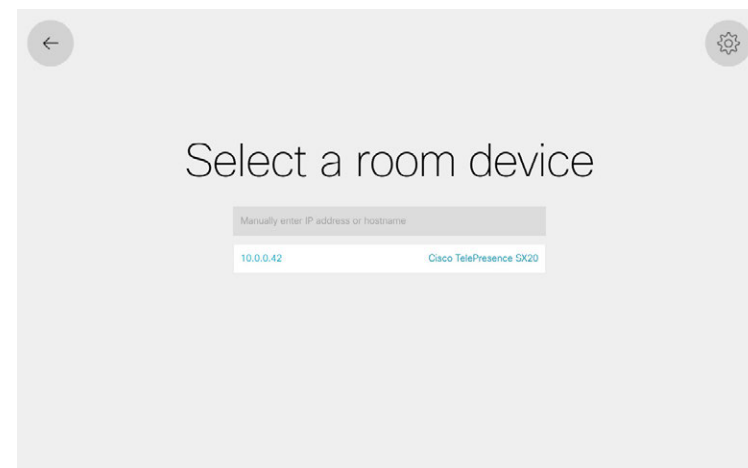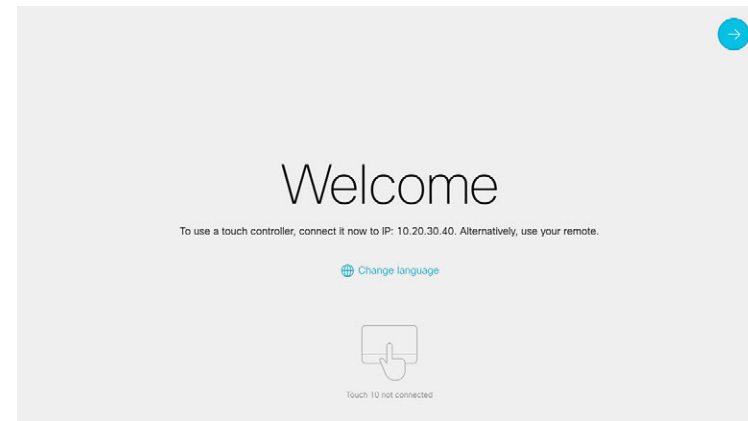
If you have a Touch 10 controller, you get the option to pair to a device when you start setting up the system.

Register to a call service

(When using a provisioning system)

If your system is automatically provisioned, the IP and provisioning settings are automatically configured and the setup assistant skips these steps.

Choose provisioning infrastructure

Choose one of the following supported on-premise provisioning systems:

- Cisco UCM (Cisco Unified Communications Manager)
- Cisco UCM via Expressway
- VCS (Video Communication Server)

If you choose advanced setup, the device skips registration to a call service, and you must register the system from the system's web interface. The advanced setup option is only visible in the setup assistant.

If you wish to revisit these settings after the initial setup, go to the device name on the home screen, and select *Settings > Device activation*. Select *Change service*.
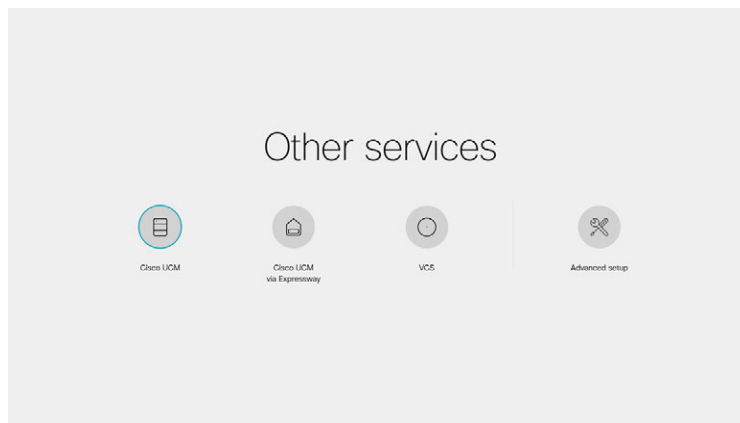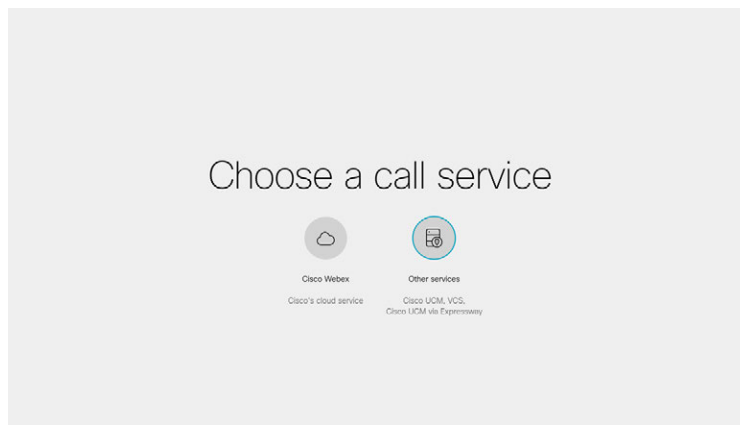
Cisco Unified Communications Manager

Contact your CUCM administrator to get the information needed.

Enter IP address or DNS name in the *Host server address* field, and select *OK* to confirm the change*.

You can find more details about setting up CUCM provisioning in the ▸Administering CE endpoints on CUCM guide.

CUCM via Expressway**

Contact your CUCM administrator to get the information needed.

Enter *Username*, *Passphrase* and *Domain* in the corresponding input fields. Always select *OK* to confirm the changes. Select *Apply* to save.

In some cases, you must manually enter the Expressway address. Select *Manually override Expressway address*, and enter the address you have received upon ordering in the *Host Server Address* field.
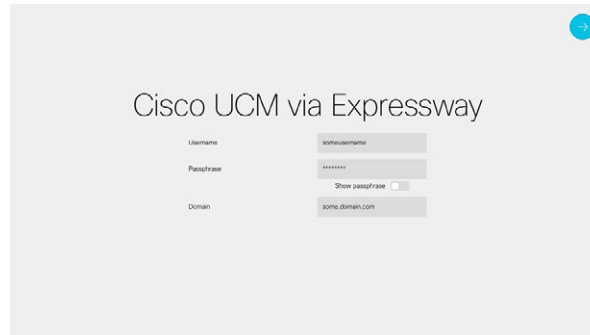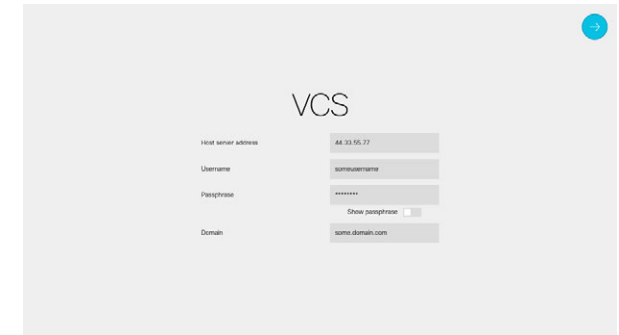
VCS

Contact your VCS provider to get the information needed.

1. Enter IP address or DNS name of the Cisco VCS in the *Host server address* and select *OK* to confirm the change.

2. Enter the *Username*, and *Passphrase*, if required, for authenticating the video system with the provisioning server. Select *OK* to confirm the change

3. Enter SIP *Domain* and select *OK* to confirm the change.

4. Select *Apply* to save the changes.

Have a look at the ▸Cisco VCS provisioning appendix for more information on VCS provisioning.

Cisco UCM

Enter server address   10.20.10.20

Cisco UCM via Expressway

Username   someusername
Passphrase   ••••••••
                  Show passphrase ☐
Domain   some.domain.com

VCS

Host server address   44.33.55.77
Username   someusername
Passphrase   ••••••••
                      Show passphrase ☐
Domain   some.domain.com

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* The DHCP server can be set up to provide the Host server address automatically (DHCP Option 150). Any input set up here overrides the setting provided by DHCP.

** For CUCM via Expressway to show up as provisioning option for your video system, you must have the encryption option key installed.

To check that your video system is registered: Navigate to the gearwheel icon in the upper left corner of the home screen and select *System Information*.

Set time zone

We recommend you check that the date and time settings are correct when you set up your video conference system. The system uses this information for example to time stamp messages transmitted to gatekeepers and other network elements.

1. Select *Change time zone*.

2. Select region, time zone, and time format. Choose from 12h or 24h

Time zone

UTC+00:00

14:12

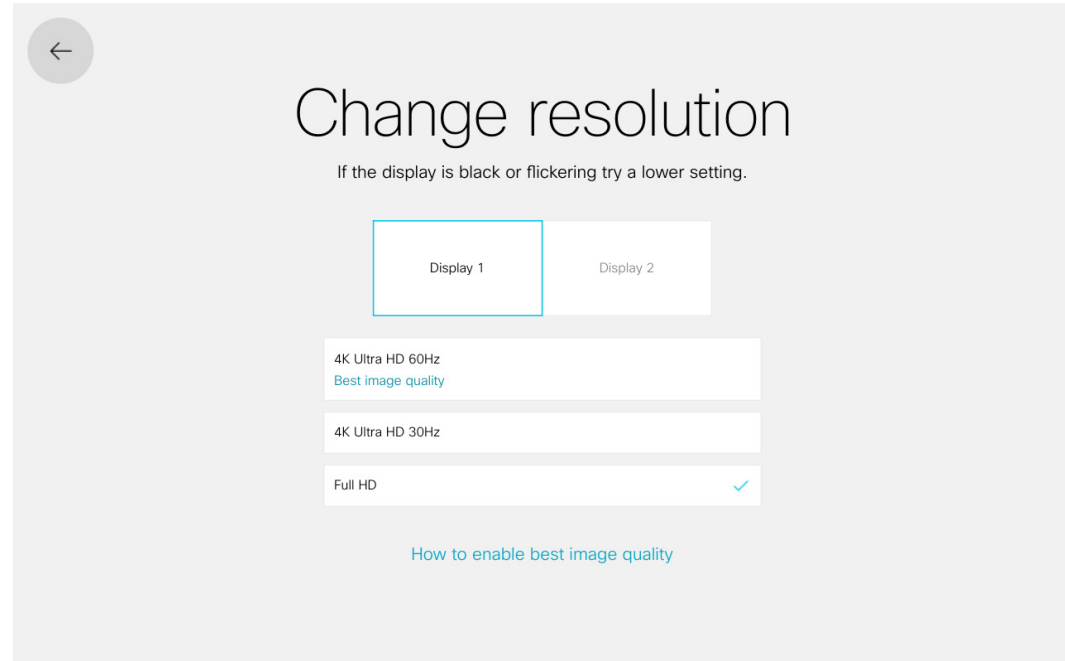Monday, June 30, 2014

Change time zone
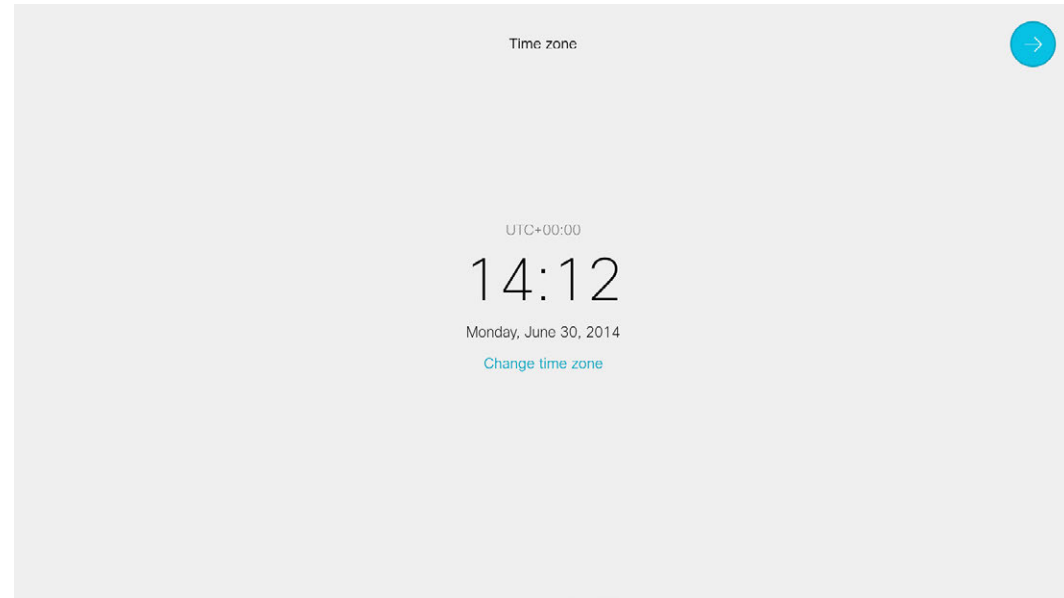
Set screen resolution

For Room Kit and Codec Plus only

When connected to a 4K screen, you can set the screen resolution according to what your screen supports. If your screen is black or flickering, you can set the resolution to a lower setting. Only the settings supported by your screen are available are selectable on the setup assistant.

If you know your screen supports 4K resolution but it is not selectable, check that:

- The HDMI screen cable is connected to an HDMI port on your screen that supports Ultra HD.
- The HDMI Ultra HD settings are set to ON on your screen.

←

Change resolution

If the display is black or flickering try a lower setting.

Display 1	Display 2

4K Ultra HD 60Hz
Best image quality

4K Ultra HD 30Hz

Full HD   ✓
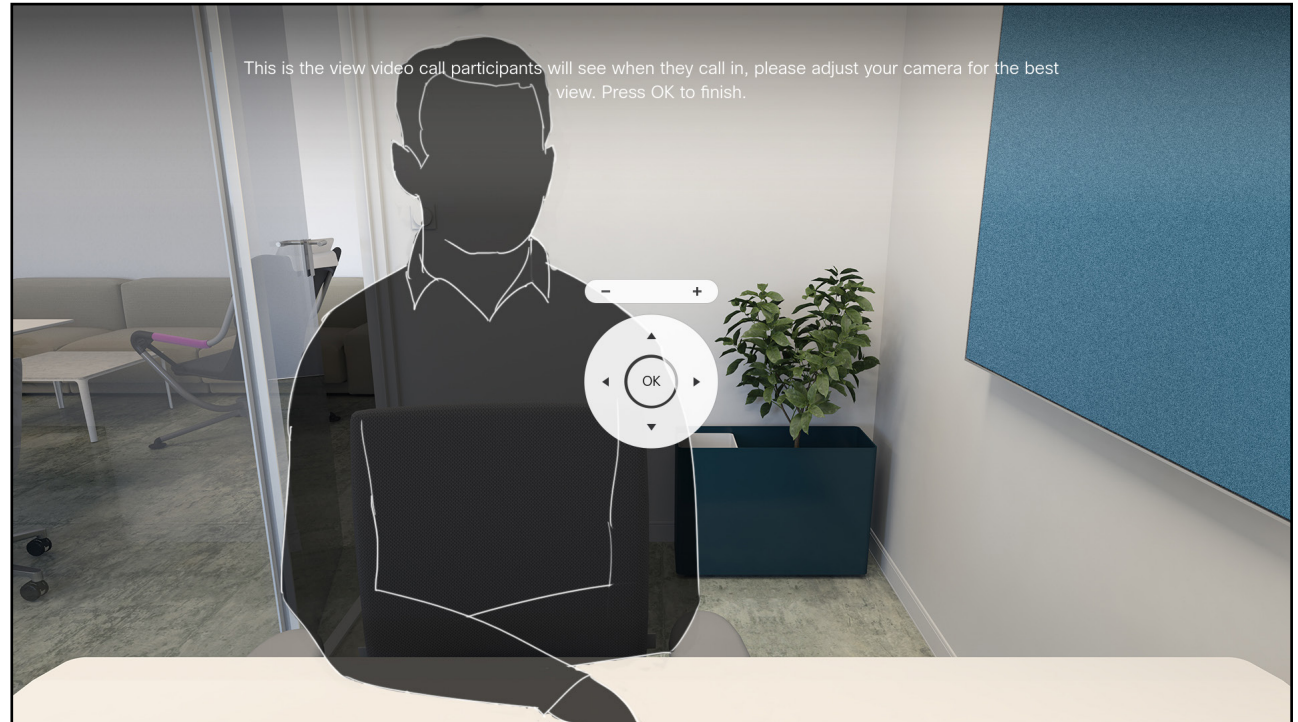
How to enable best image quality
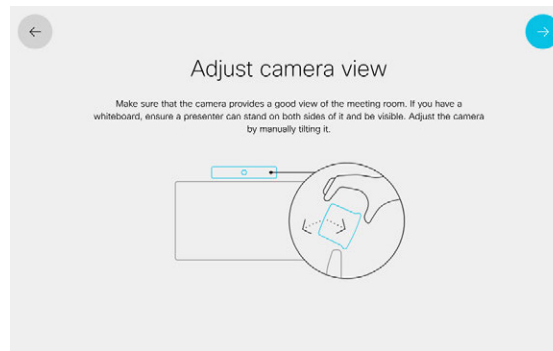
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Set the default camera position

Set the position where the camera is by default when the system wakes up.

With either the Touch controller or the remote control, adjust the camera position with the pan and tilt wheel, and the zoom buttons.
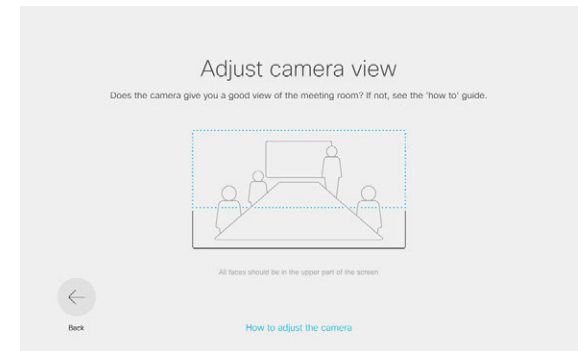
On DX70, DX80, Room Kit, and Room Kit Plus, you must tilt the camera manually.

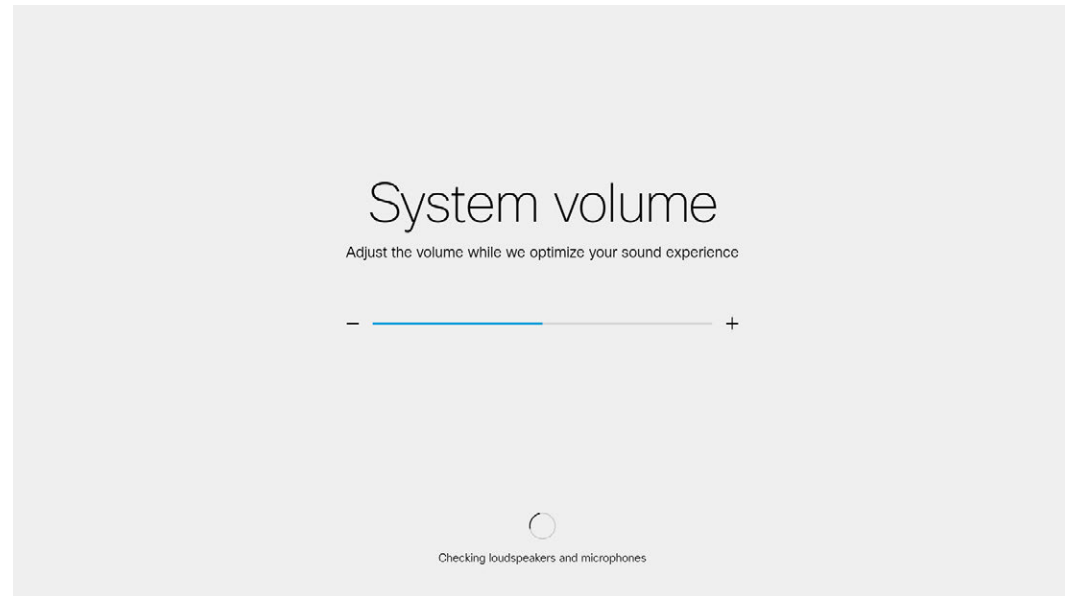This is the view video call participants will see when they call in, please adjust your camera for the best view. Press OK to finish.

When using a Room Kit

Adjust camera view

Make sure that the camera provides a good view of the meeting room. If you have a whiteboard, ensure a presenter can stand on both sides of it and be visible. Adjust the camera by manually tilting it.

When using a Room Kit Plus

Adjust camera view

Does the camera give you a good view of the meeting room? If not, see the 'how to' guide.

All faces should be in the upper part of the screen.

Back

How to adjust the camera

Adjust the volume

Use the touch screen or the remote control to set the default system volume, and the ringtone volume for your device.

System volume

Adjust the volume while we optimize your sound experience

− ————————————— +

Checking loudspeakers and microphones

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Overscan settings

For Room Kit and Codec Plus only

Adjust the overscan settings on your external screen for best possible image quality.
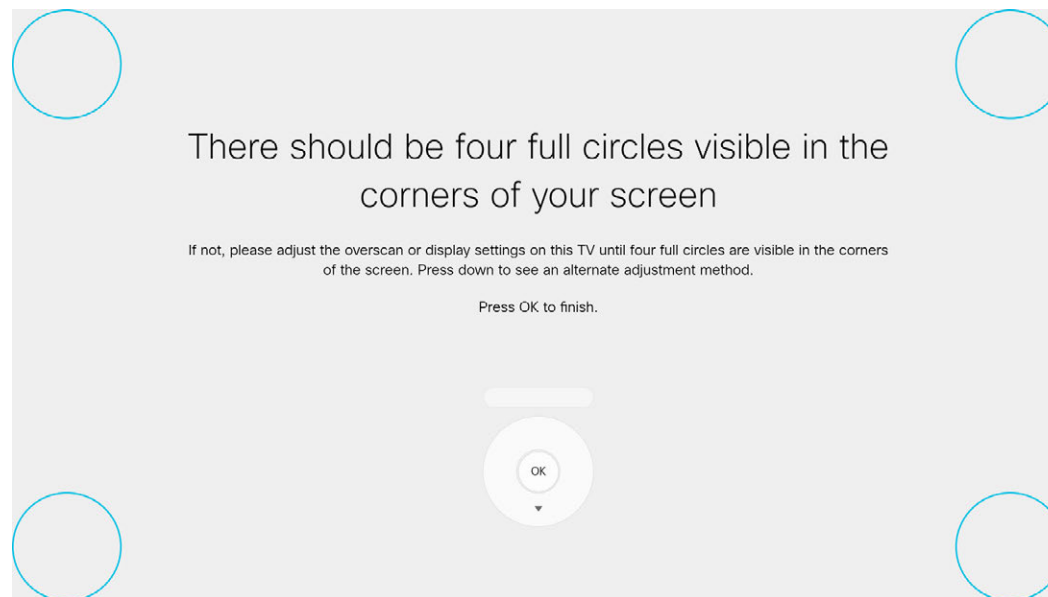
Chapter 5

Additional settings

Configuration on the setting menu

Wake up the system

The system wakes up when you tap the Touch controller or pick up the remote control.

If the system doesn't wake up:

- Make sure the Touch controller is connected to the main unit.
- Make sure the main unit is connected to power and switched on.

If the system has just been switched on, wait a few minutes to allow the system to start up.

For further instructions, read the installation guide and the administration for your product.

For an overview of Touch controller features and use, see
▸How to use the Touch controller.

For an overview of the remote control, see ▸Remote control overview.
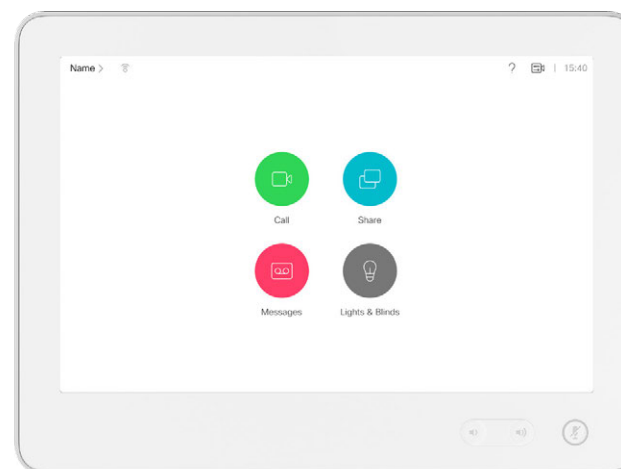
Wi-Fi on DX70, DX80, and Room series

On DX70, DX80, and Room series devices you can choose to use either Ethernet or Wi-Fi connection. The network settings is the first step in the setup assitant for these video systems, if a Wi-Fi connection is availble.

You can change between connection types on the touch inter-face. Wi-Fi is enabled by default. To enable and disable this, log into your system's web interface, and navigate to *Setup > Configuration > NetworkServices > Wifi*.

The Ethernet cable must be disconnected, if you wish to connect to Wi-Fi.

The following authentication types can be used:

- Open
- WPA-PSK (AES)
- WPA2-PSK (AES)
- EAP-TLS
- EAP-TTLS
- EAP-FAST
- PEAP
- EAP-MSCHAPv2
- EAP-GTC

We recommend that you add a trusted CA certificate for each device, if your network uses WPA-EAP authentication. This must be done individually for each device, and before you connect to Wi-Fi.

NOTE: The system only remembers one network at a time. If you change between different networks, you need to type in the password again.

Connect to Wi-Fi

1. Navigate to the device name on the home screen, and select *Settings*.

2. Navigate to *Network Connection > Wi-Fi settings*.

3. Select the network you wish to connect to.

4. If the network requires authentication, type in the passphrase, and select *Connect*.

Add certificates when using WPA-EAP

1. Log in to the system's web interface.

2. Navigate to *Security > Service Certificates*.

3. Add the needed certificate.

4. Enable 802.1x for the certificate you just added.

IP settings

(When not set by a provisioning system)

The IP parameters are assigned automatically by the network, or you can set everything manually. If your system is provi- sioned automatically, manual IP settings may be overridden by the provisioning system.

If you want to set the parameters manually, contact your network administrator to obtain the required parameters.

If an IPv4 address is already assigned to the system, you will find it under *About this device*: Navigate to the device name in the upper left corner on the home screen and select *Settings* and *System Information.*

If you wish to change the IP settings from the default dual stack setting to either IPv4 or IPv6, this can be done on the web interface. To set up IPv6 settings manually, use the Touch controller or the web interface.

NOTE: When you start your video system for the first time, the setup assistant starts automatically. It skips the IP settings, if those are already set up by the network.

1. Navigate to the device name on the home screen, and select *Settings*. Navigate to *Network Connection > Ethernet settings*.

2. Uncheck *Automatic configuration* and *Using DHCP* to set the IP address manually.

3. Enter the *IP Address*, *Subnet Mask* and *Gateway* address. When using a remote control, a soft keyboard appears when you select an input field.

4. Navigate to the *DNS* section and enter the DNS server address in the *DNS Server 1* input field.

5. Select the check mark (✓) to save the changes.

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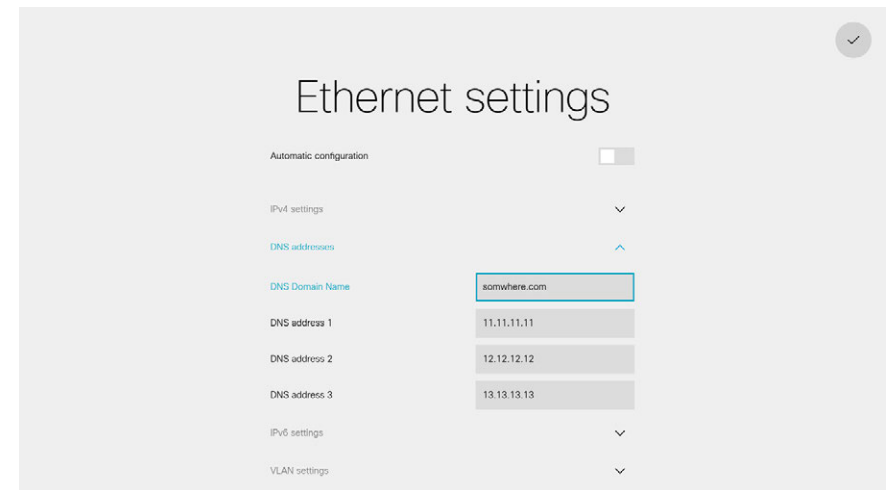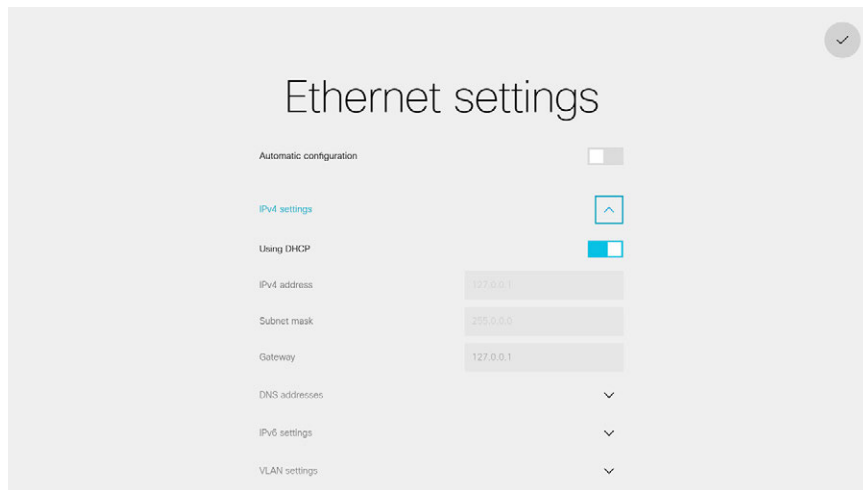
Appendices

Cisco VCS provisioning

When using the Cisco VCS (Video Communication Server) provisioning, a template containing all the settings that can be provisioned must be uploaded to Cisco TMS (TelePresence Management System). This is called the *Cisco TMS provisioning configuration template*.

All the advanced settings for your video system are included in this template. All settings except *SystemUnit Name* and *SIP Profile [1..1] URI* can be automatically provisioned to the video system.

The advanced settings are described in the administrator guide for your video system.

Read the Cisco TMS Provisioning Deployment Guide to find out how to upload the file to Cisco TMS, and how to set the desired values for the parameters to be provisioned. If not set by Cisco TMS, the default values are used. Go to:
▸ https://www.cisco.com/c/en/us/support/conferencing/telepresence-management-suite-tms/products-installation-and-configuration-guides-list.html

Download the provisioning configuration template

You can download the templates here:

DX Series: ▸ DX Series Release Notes

MX Series: ▸ MX Series Release Notes

SX Series: ▸ SX Series Release Notes

Room Series: ▸ Room Series Release Notes

For each software release there is one provisioning configuration template for every video system model. Make sure to download the correct file.

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User documentation on the Cisco web site

User documentation for the Cisco TelePresence products is available at
▶ https://www.cisco.com/go/telepresence/docs

Select the *Collaboration Endpoints* product category from the list. Then select the product series:

- *Webex DX Series*
- *Webex Room Series*
- *TelePresence MX Series*
- *TelePresence SX Series*

Alternatively, use the following short-links:

▶ https://www.cisco.com/go/dx-docs

▶ https://www.cisco.com/go/mx-docs

▶ https://www.cisco.com/go/roomkit-docs

▶ https://www.cisco.com/go/sx-docs

Install and Upgrade

Installation and Upgrade Guides

- *Installation guides:* How to install the product
- *Getting started guide:* Initial configurations required to get the system up and running
- *RCSI guide:* Regulatory compliance and safety information

Maintain and Operate

Maintain and Operate Guides

- *Getting started guide:* Initial configurations required to get the system up and running
- *Administrator guide:* Information required to administer your product
- *Administering CE Endpoints on CUCM:* Tasks to perform to start using the product with the Cisco Unified Communications Manager (CUCM)

End-User Guides

- *User guides:* How to use the product
- *Quick reference guides:* How to use the product
- *Physical interface guide:* Details about the product's physical interface, including the connctor panel and LEDs

Configure

Configuration Guides

- *In-Room Control Guide:* How to design an in-room control panel, and how to use the video system's API to program the in-room controls
- *In-Room Control Editor:* Download the in-room control editor
- *CE and TC Console:* Information on how to use the CE and TC consoles to configure the codec's audio and video.

Reference Guides

Command references

- *API reference guides:* Reference guide for the Application Programming Interface (API)

Technical References

- *CAD drawings:* 2D CAD drawings with measurements

Design

Design Guides

- *Video conferencing room guidelines:* General guidelines for room design and best practice
- *Video conferencing room guidelines:* Things to do to improve the perceived audio quality

Software Downloads, Release and General Information

Release notes

- *Release notes and deferral notices*

Licensing Information

- *Open sourse licences:* Licenses and notices for open source software used in this product

Intellectual property rights

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