VIDEO SYSTEMS GETTING STARTED GUIDE

Software version TC6.1
APRIL 2013

- CODEC C SERIES
- MX SERIES
- EX SERIES
- PROFILE SERIES
- QUICK SET C20
- SX20 QUICK SET

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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 TC software.

Our main objective with this Getting started guide 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
▸ http://www.cisco.com/go/telepresence/docs.

How to use this guide

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

Table of contents

CHAPTER 1

INTRODUCTION

About this guide

This document goes through the basic configuration of your video conference system. In this guide, we also explain how to use the remote control, the Touch controller, and the web interface.

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

Cisco TelePresence products covered in this guide

- Codec C Series:
  Codec C40
  Codec C60
  Codec C90
- EX Series:
  EX90
  EX60
- MX Series:
  MX200
  MX300

- Profile Series using Codec C Series:
  Profile 42"
  Profile 52"/55"
  Profile 52" Dual / 55" Dual
  Profile 65"
  Profile 65" Dual

- Quick Set C20 / C20 Plus

- SX20 Quick Set

User documentation

The user documentation for the Cisco TelePresence systems running TC software includes several guides suitable for various systems and user groups.

- Video conference room primer
- Video conference room acoustics guidelines
- Installation guides for the TelePresence systems
- Software release notes for the TC software
- Getting started guide for the TelePresence systems
- User guides for the TelePresence systems
  - With a remote control
  - With a Touch controller
- Quick reference guides for the TelePresence systems
- Administrator guides for the TelePresence systems
- Camera user guide for the PrecisionHD cameras
- API reference guides for the Codec C Series
- TC Console user guide for the Codec C Series
- Physical interfaces guides for the Codec C Series
- Regulatory compliance and safety information guide
- Legal & licensing information for products using TC software

Downloading the user documentation

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

Guidelines for how to find the documentation on the Cisco web site are included 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:
▸ http://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: ▸ http://www.cisco.com/web/siteassets/contacts

Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Dr.
San Jose, CA 95134 USA
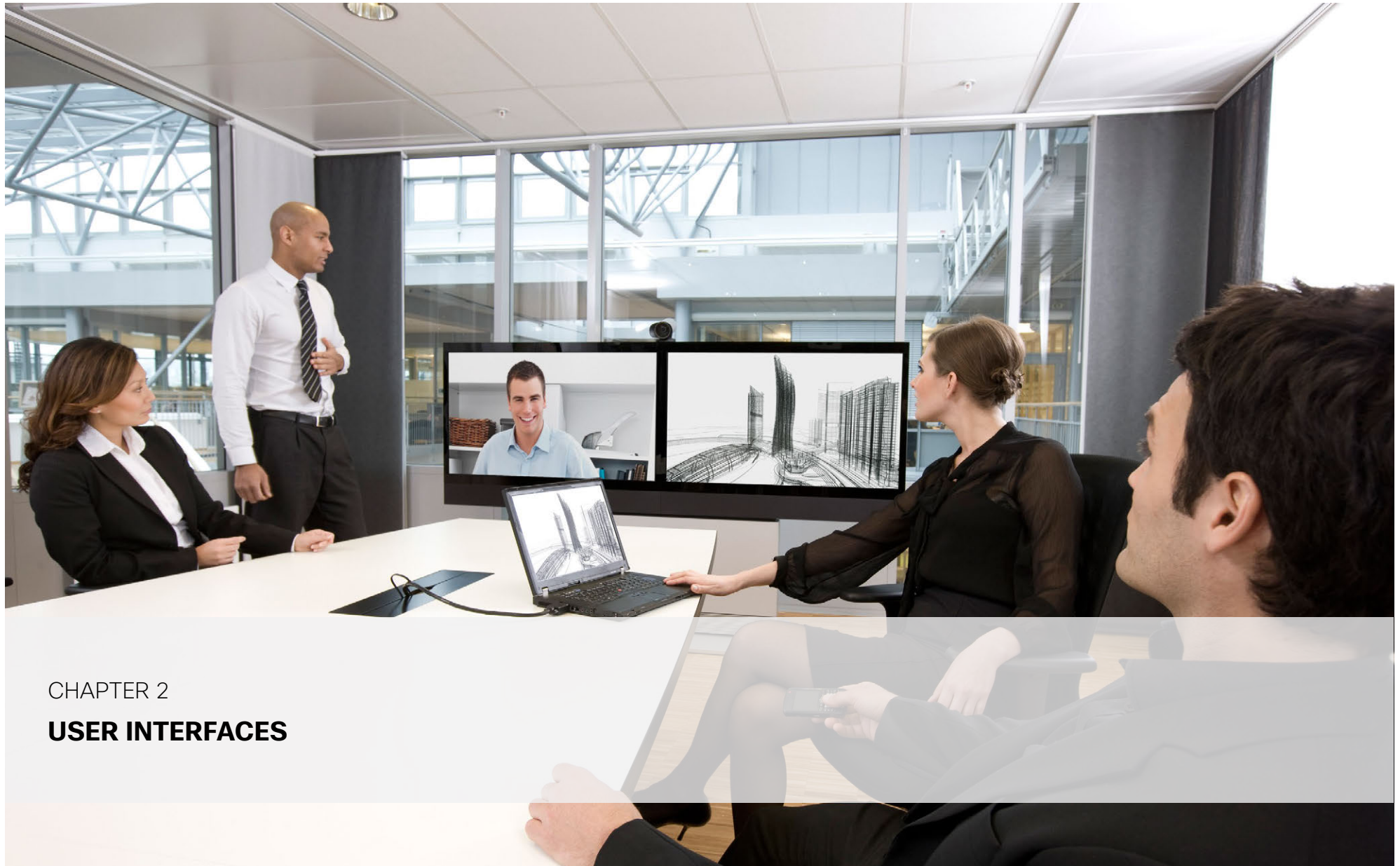
CHAPTER 2

USER INTERFACES

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 not available for the EX Series and MX Series.

Additionally, you can configure your system through its web interface, provided that the system is already connected to a network and you know the IP address.

In the appendices we describe how to use the Touch controller and the remote control and the on-screen menu. We also describe how to navigate and use the web interface.

Touch controller

Remote control and
on-screen menu

Web interface

CHAPTER 3

CONFIGURATION

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How to configure your system

Before you can start using your video conference system you must set the basic configurations as described in this chapter.

Using a provisioning system, or configuring each video conference 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. As a minimum, you must set the IP 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 the remainder of this chapter.

Different user interfaces

We describe how to configure the video system using the Touch controller, the remote control or the web interface.

We also describe how to set the menu password using the command line interface.

The descriptions are marked with the following colors.

Touch controller

Remote control

Web interface

Command line
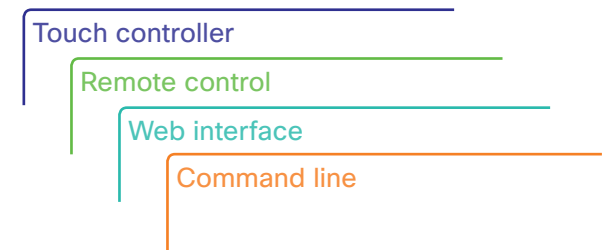
About user roles, user accounts and passwords

System/codec password

You need ADMIN rights to configure the system via web.

User roles: A user must possess one or a combination of several user roles. Three user roles exist, representing different rights: ADMIN, USER and AUDIT. It is important to note that these roles have non-overlapping rights.

A complete administrator user account with full access rights, like the default admin user, must possess all three roles.

You can read more on how to create and manage user accounts in the administrator guide for your product.

NOTE: Initially, no password is set for the default admin user. We strongly recommend that you set a password for this user, and any other users possessing an ADMIN role, to restrict access to system configuration.

A warning on the screen of your video system indicates if no administrator password is set. To remove the warning you must set an administrator password.

Menu password

NOTE: Initially, no menu password is set. We strongly recommend that you set a menu password to restrict access to the Administrator menus on the Touch controller and the remote control. The menu password can be set with the remote control or on the web interface.

You need to enter this password to configure the video system using a Touch controller or a remote control.

Configuration tasks

The initial configuration tasks are described on the following pages. Click the Read more... hyperlink for the method you want to use to find the task description.

Click the Back... button in the task description to go back to this task overview.

Getting started

You can see how to wake up the system and start using one of the user interfaces here:

Touch controller   Read more...

Remote control
and on screen menu   Read more...

Web interface   Read more...

Provisioning set-up
(when using a provisioning system)

Your system may be configured by an external provisioning system. This way a number of settings are provisioned automatically, and you (most likely) do not have to set the IP, H.323, SIP and Time and Date settings.

Choose one of the following methods to set-up the provisioning parameters:

Touch controller   Read more...

Remote control
and on screen menu   Read more...

Web interface   Read more...

Setting the IP parameters
(when not set by a provisioning system)

Your video conference system must be connected to an IP network. Both IP version 4 (IPv4) and IP version 6 (IPv6) are supported. In both cases, the IP parameters can be assigned automatically by the network, or you can set everything manually.

Choose one of the following methods to set the IP parameters:
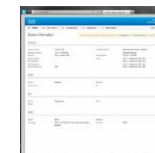
Touch controller   Read more...

Remote control
and on screen menu   Read more...

Web interface   Read more...

Configuration tasks (continued)

Setting the H.323 and SIP parameters (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.

Choose one of the following methods to set the H.323 and SIP parameters:

Touch controller

Read more...

Remote control and on screen menu

Read more...

Web interface

Read more...

Setting date and time (when not set by a provisioning system)

When setting up your video conference system, you should check that the date and time settings are correct. Among other things this information is used to time stamp messages transmitted to gatekeepers and other network elements.

Choose one of the following methods to set the date and time:

Touch controller

Read more...

Remote control and on screen menu

Read more...

Web interface

Read more...

Setting the menu password

We strongly recommend that you set a password for the Administrator Settings menu.

This menu, which is available on both the Touch controller and the remote control, gives access to settings that affect the behavior of the video conference system.

Choose one of the following methods to set-up the menu password:

Remote control and on screen menu

Read more...

Web interface

Read more...

Configuration tasks (continued)

Setting the codec/system password

To restrict access to system configuration, we strongly recommend that you set a password for your video conference system.

This password is used when you sign in to the web and command line interfaces for your system.

Use the following method to set-up the system/codec password:

Web interface   Read more...

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Configuration using the Touch controller

Waking up the system

If no menu is displayed on the Touch controller, tap the display to wake up the system.

If the system does not 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.

If in doubt, read the installation guide for your product.

Touch controller

Provisioning set-up
(when using a provisioning system)

Start the Provisioning Wizard

Tap the Settings symbol ✕ in the upper right corner. Tap *Administrator > Provisioning* and then *Start*.

NOTE: When you connect a MX or EX system for the first time, the Provisioning Wizard starts automatically.

Choose provisioning infrastructure

Choose one of the following supported provisioning systems:

- WebEx Telepresence
- Cisco UCM (Unified Communications Manager)
- Cisco VCS (Video Communication Server)

Tap *Next* to proceed.

Configure Your TelePresence Unit

Select infrastructure:

- ⬤ Cisco VCS
- ◯ WebEx Telepresence
- ◯ Cisco UCM

[Cancel] [Next]

Enter required parameters

Enter the parameters required for the chosen provisioning infrastructure (see illustrations below). Then tap *Register* to complete the procedure.

WebEx TelePresence

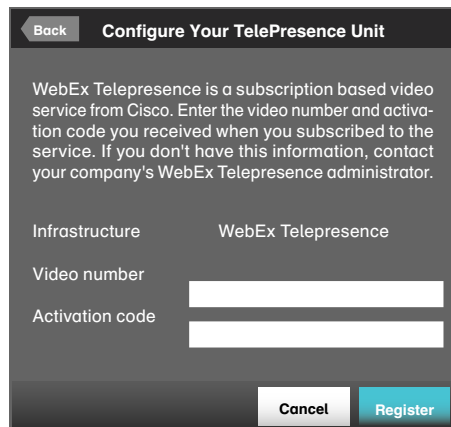Upon ordering the Cisco WebEx Telepresence service, you have received a *Video number* and an *Activation code*.

Please contact your company's WebEx Telepresence administrator if you do not have a video phone number and an activation code.

‹ Back   Configure Your TelePresence Unit

WebEx Telepresence is a subscription based video service from Cisco. Enter the video number and activation code you received when you subscribed to the service. If you don't have this information, contact your company's WebEx Telepresence administrator.

Infrastructure	WebEx Telepresence
Video number	
Activation code	

[Cancel] [Register]

Back to task overview

Cisco UCM

Contact your UCM provider to get the IP address or DNS name of the Cisco UCM (*External Manager*).*

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

‹ Back   Configure Your TelePresence Unit

Infrastructure	Cisco UCM
External Manager	

☐ Delete old Certifcate Trust List (CTL) file

[Cancel] [Register]
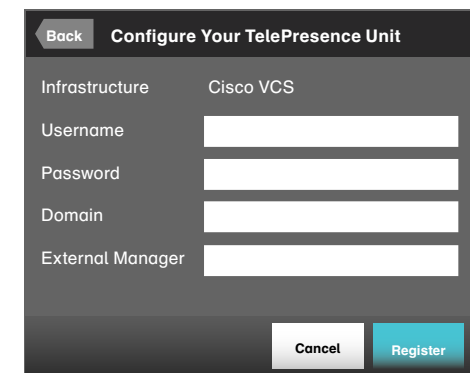
* The DHCP server can be set up to provide the External Manager address automatically (DHCP Option 150). Any input in the input field overrides the setting provided by DHCP.

Cisco VCS *(for EX Series and MX Series only)*

Contact your VCS provider to get the IP address or DNS name of the Cisco VCS (*External Manager*), the SIP *Domain*, and, if required, the *Username*/*Password* for authenticating the video system with the provisioning server.

Have a look at the ▸Cisco VCS provisioning for EX Series and MX Series appendix for more information on VCS provisioning.

‹ Back   Configure Your TelePresence Unit

Infrastructure	Cisco VCS
Username	
Password	
Domain	
External Manager	

[Cancel] [Register]

Configuring IP
(when not set by a provisioning system)

Your video conference system supports both IP version 4 (IPv4) and IP version 6 (IPv6). In both cases, the IP parameters can be assigned automatically by the network, or you can set everything manually.

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

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 will find it in the NETWORK section on the System Information page:

Tap *Settings (✖) > System Information.*

NOTE: You must restart the system after changing the IP settings for the changes to take effect

* IP Assignment:
DHCPv6: All IPv6 addresses, including options, 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.

Back to task overview

To set or change the IPv4 settings

1. Choose IP version

   Tap *Settings (✖) > Administrator > IP & VLAN*. Then tap **IPv4** in the *IP Version* section.

2. Choose automatic or manual IP assignment

   Tap **DHCP** in the *IP Assignment* section if you want automatic IP assignment; or **Static** if you want to set the IP addresses manually.

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

   Enter the *IP Address*, *Subnet Mask*, *Gateway*, and *DNS Server* address. A soft keyboard appears when you tap an input field.

4. Save the settings

   Tap *Save* to save the changes, or *Undo* to leave without saving.

5. Return to the main menu

   Tap *Exit* to return to the home menu.

To set or change the IPv6 settings

1. Choose IP version

   Tap *Settings (✖) > Administrator > IP & VLAN*. Then tap **IPv6** in the *IP Version* section.

2. Choose automatic or manual IP assignment

   Choose **DHCPv6**, **Autoconf** or **Static** in the *IP Assignment* section according to your network requirements.*

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

   Enter the *IP Address* and *Gateway*. A soft keyboard appears when you tap an input field.

4. If IP Assignment is Static or Autoconf: DHCPOptions

   Tap **On** or **Off** in the *DHCP Options* section according to your network requirements.**

   If DHCP Options are switched Off, you must set the DNS and NTP server addresses on the web interface.

5. Save the settings

   Tap *Save* to save the changes, or *Undo* to leave without saving.

6. Return to the main menu

   Tap *Exit* to return to the home menu.

Configuring 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.

NOTE: Contact your system administrator, or service provider, for information about the network settings.

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 admininistering through Cisco UCM in the ▶Administering TC endpoints on CUCM guide.

H.323

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

1. Tap *Settings > Administrator > H323*.

2. Enter the *H323 Number* and *H323 Id* in their respective input fields.

3. If you want to enter the address of the H.323 gatekeeper manually, tap *Manual* in the *Gatekeeper Discovery* section, and enter the *Gatekeeper Address* in the input field. Otherwise tap *Auto*.

4. If the H.323 gatekeeper requires authentication and you want your system to authenticate itself to the gatekeeper, tap *ON* in the *Authentication Mode* section and enter the *Login Name* and *Password* in their respective input fields. Otherwise, tap *OFF*.

5. Tap *Save* to save the changes, or *Undo* to leave without saving.

6. Review the System Information page and verify the H323 settings.

   If you successfully registered to the Gatekeeper the *Status* is shown as *Registered* in the H323 section.

7. Tap *Exit* to return to the home menu.

SIP

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

1. Tap *Settings > Administrator > SIP*.

2. Enter the SIP URI in the *URI* input field.

3. Tap the preferred transport protocol in the *Default Transport* section. If you select *Auto*, the system first tries to connect using TLS, then TCP, and finally UDP.

4. Select a *Proxy Type*. Step through the list of available proxy types by tapping the – or + signs. The default type is *Standard*.

5. If you want to enter the SIP proxy address manually, tap *Manual* in the *Proxy Discovery* section and enter the *Proxy Address* in the input field. If you want the system to obtain the SIP proxy address automatically (DHCP), tap *Auto*.

6. If the SIP proxy server requires authentication you must enter the *Login Name* and *Password* in their respective input fields to authenticate your system.

7. Tap *Save* to save the changes, or *Undo* to leave without saving.

8. Review the System Information page and verify the SIP settings.

   If you successfully registered to a SIP server the *Status* is shown as *Registered* in the SIP section.

9. Tap *Exit* to return to the home menu.

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Setting date, time and location
(when not set by a provisioning system)

You should 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.

You can find the time in the top right corner of the Touch controller display.

1. Tap *Settings > Date, Time & Location*.

2. Tap *24h* or *12h* to select the *Time Format* you prefer.

3. Tap *dd.mm.yy*, *mm.dd.yy* or *yy.mm.dd* to select the *Date Format* you prefer.

4. Select the *Time Zone* your system is in. Step through the list of available zones by tapping the – or + signs.

5. Set *Date & Time Mode* to *Auto* if you want time and date to be regularly updated; otherwise, select *Manual*.

   If you select *Manual*, enter the correct value for *Hour*, *Minute*, *Year*, *Month*, and *Day*. Tap the plus and minus signs to increase or decrease a value.

   If you select *Auto*, the NTP server address can be automatically obtained from the network (set the *NTP Mode* to *Auto*) or you can enter the *NTP Server* address yourself (set *NTP Mode* to *Manual*).

6. Tap *Save* to save the changes, or *Undo* to leave without saving.

7. Tap *Exit* to return to the home menu.

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Configuration using the remote control and on-screen menu*

Waking up the system

If there is no menu on screen, press *Home* (⌂) on the remote control to show the menu.

If the system does not show a menu on screen:

- Make sure the monitor is connected and has been switched on.
- Make sure the remote control has batteries installed.
- 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.

If there is still no menu on screen, make sure the monitor cable is connected to the basic video output. connector. If in doubt, see the Installation guide for your product.

Remote control and
on-screen menu

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* This section does not apply for EX and MX series.

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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 provisioning settings.

Select provisioning infrastructure

1. Go to *Home > Settings > Administrator settings > Advanced configuration > Provisioning > Mode* and select a provisioning infrastructure:
   - TMS – Cisco TelePresence Management System
   - Callway – WebEx Telepresence
   - CUCM – Cisco Unified Communications Manager
   - Auto - The system starts provisioning by first trying VCS, then TMS and finally CUCM.

If you select *Off*, all configurations must be set manually on the video system.

Always save the new value when you change a setting

- Drop down list selection: Navigate to the correct value and press the *OK* (√) key to save, or press the left arrow key ◄ to leave without saving.
- Text entry in an input field: Enter the text, navigate to *Ok/Save* to save the change, or navigate to *Cancel* to leave without saving; then press the *OK* (√) key to confirm.

Back to task overview

Set the required provisioning parameters

Which parameters to set depend on which infrastructure was selected.

TMS

1. Go to *Home > Settings > Administrator settings > Advanced configuration > Provisioning > ExternalManager.*

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

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

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

WebEx Telepresence (formerly Callway)

Upon ordering the Cisco WebEx Telepresence service, you have received a *Video number* and an *Activation code*.

Please contact your company's WebEx Telepresence administrator if you do not have a video phone number and an activation code.

1. Go to *Home > Settings > Administrator settings > Advanced configuration > Provisioning*

2. Enter the Video number in the *LoginName* input field.

3. Enter the Activation code in the *Password* input field.

CUCM

1. Go to *Home > Settings > Administrator settings > Advanced configuration > Provisioning > ExternalManager.*

2. Enter the IP address or DNS name of the UCM provisioning server in the *Address* input field.*

You can find more details about setting up Cisco UCM provisioning in the *Administering TC endpoints on CUCM* guide.

NOTE: If you wish to use *Secure Mode* for CUCM provisioning, you must use the web interface.

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

Configuring IP

(when not set by a provisioning system)

Your video conference system supports both IP version 4 (IPv4) and IP version 6 (IPv6). In both cases, the IP parameters can be assigned automatically by the network, or you can set everything manually.

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

If an IP address is already assigned to your system, you find the current IPv4 and/or IPv6 address on the System Information page:

Go to *Home > Settings > System information*.

The IPv4 Address and/or IPv6 Address of the system is shown in the *Network* section on the System Information page.

Press *Exit* (the right most function key) to exit.

NOTE: You must restart the system after changing the IP settings for the changes to take effect

Always save the new value when you change a setting

- Drop down list selection: Navigate to the correct value and press the *OK* (√) key to save, or press the left arrow key ◄ to leave without saving.

- Text entry in an input field: Enter the text, navigate to *Ok/Save* to save the change, or navigate to *Cancel* to leave without saving; then press the *OK* (√) key to confirm.

Back to task overview

To set or change the IPv4 settings

1. **Select IP version**

   Go to *Home > Settings > Administrator settings > Advanced configuration > Network 1*. Go to *IPStack* and select *IPv4*.

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

   Go to *Assignment*. Select *DHCP* if you want automatic IP assignment; select *Static* if you want to set the IP addresses manually.

   a. If you selcted *DHCP*, the IP configuration is complete.

   b. If you selected *Static*, go to *IPv4* and enter the *Address*, *Subnet Mask*, *Gateway*. Go to the *DNS Server* section and enter the DNS server address in the *Server 1 Address* input field.

3. **Press *Home* (⌂) to return to the home menu.**

*) IP assignment:
DHCPv6: All IPv6 addresses, including options, 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. **

To set or change the IPv6 settings

1. **Select IP version**

   Go to *Home > Settings > Administrator settings > Advanced configuration > Network 1*. Go to *IPStack* and select *IPv6..*

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

   Go to *IPv6 > assignment*.Select *Autoconf* in the *IP assignment* drop down list if you want automatic IP assignment; select *Static* if you want to set the IP addresses manually.

   a. If you selected *Autoconf*, go to *DHCP Options.* Set to **On** or **Off** according to your preference.*

   b. If you selected *Static*, go to *Address* and enter the IP address. Go to *Gateway*.and enter the gateway address. Set *DHCPOptions* to **On** or **Off** according to your preference.**

3. **Set DNS and NTP server addresses**

   If DHCP Options are switched Off, you must set the DNS and NTP server addresses in *Advanced configuration*. Go to the *DNS Server* section and enter the DNS server address in the *Server 1 Address* input field.

   To set the NTP address go to *Network services > NTP* and set the address. Select *save* to confirm the address. Set *Mode* to *Auto*.

4. **Press *Home* (⌂) to return to the home menu.**

**) 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.

Configuring 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.

NOTE: Contact your system administrator, or service provider, for information about the network settings.

For networks administered through Cisco TMS (Cisco TelePresence Management Suite) your Cisco TMS administrator will help you to get online.

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

Always save the new value when you change a setting

· Drop down list selection: Navigate to the correct value and press the *OK* (√) key to save, or press the left arrow key ◄ to leave without saving.

· Text entry in an input field: Enter the text, navigate to *Ok/Save* to save the change, or navigate to *Cancel* to leave without saving; then press the *OK* (√) key to confirm.

Back to task overview

H.323

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

1. Go to *Home > Settings > Administrator settings > Advanced configuration > H323 > Profile 1*.

2. Go to *H323Alias* and enter the *E164* number and *ID* in the corresponding input fields.

3. If you want the system to obtain the H.323 gatekeeper address automatically, go to *Gatekeeper* and select *Auto* in the *Discovery* drop down list; if you want to enter the address manually, select *Manual*.

   If set to *Manual* enter the gatekeeper address in the *Address* input field.

4. 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; otherwise select *Off*.

   If set to *On* enter the *LoginName* and *Password* in the corresponding input fields.

5. Go to *Home > Settings > System information* and verify the H323 settings.

   If you successfully registered to the Gatekeeper the *Status* is shown as *Registered* in the H323 section.

6. Press *Home* (⌂) to exit.

Please check the administrator guide for your product if you want to change the other H.323 settings.

SIP

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

1. Go to *Home > Settings > Administrator settings > Advanced configuration > SIP > Profile 1*.

2. Go to *URI* and enter the SIP URI in the corresponding input field.

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

4. Select your preferred proxy *Type* in the drop down list. The default type is *Standard*.

5. Go to *Proxy 1*. If you want the system to obtain the SIP proxy address automatically, select *Auto* in the *Discovery* drop down list; if you want to enter the address manually, select *Manual*.

   If set to *Manual* enter the proxy address in the *Address* input field.

6. If the SIP proxy requires authentication you must enter a login name and password to authenticate your system. Go to *Authentication 1* and enter the *LoginName* and *Password* in the corresponding input fields.

7. Go to *Home > Settings > System information* and verify the SIP settings.

   If you successfully registered to a SIP server the *Status* is shown as *Registered* in the SIP section.

8. Press *Home* (⌂) to exit.

Please check the administrator guide for your product if you want to change the other SIP settings.

Setting date, time and location

(when not set by a provisioning system)

When setting up your video conference system, you should check that the date and time settings are correct. Among other things this information is used to time stamp messages trans-mitted to gatekeepers and other network elements.

The time and date is shown in the top right corner of the main display. It takes a few moments before the time on the screen changes after changing the setup.

1. Go to *Home > Settings > Date and time*.

2. Select *24 hours* or *12 hours (am/pm)* in the *Time format* drop down list as you prefer.

3. Select *Day.Month.Year*, *Month.Day.Year* or *Year.Month.Day* in the *Date format* drop down list as you prefer.

4. Select your time zone in the *Time zone* drop down list.

5. Select *Auto*, *Manual* or *Off* in the *NTP mode* drop down list as you prefer.[1]

   If you select *Manual*, also enter the *NTP server* address in the corresponding input field.

   If you select *Off,* also select the correct value for *Day*, *Month*, *Year* and *Time* in the corresponding drop down lists.

6. Press *Home* (🏠) to exit.

Always save the new value when you change a setting

- Drop down list selection: Navigate to the correct value and press the *OK* (√) key to save, or press the left arrow key ◄ to leave without saving.

- Text entry in an input field: Enter the text, navigate to *Ok/ Save* to save the change, or navigate to *Cancel* to leave without saving; then press the *OK* (√) key to confirm.

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[1] 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.

Setting the Administrator Settings menu password

When starting up the system for the first time the Administrator Settings menu password is not set.

A warning on the screen of your video system indicates if no administrator password is set. To remove the warning you must set an administrator password. If you wish to remove the warning without setting a password, you can leave the password field blank, though this is not advisable.

NOTE: We strongly recommend that you define a password to protect the Administrator Settings menu, since these settings affect the behavior of the video conference system.

1. Go to *Home > Settings > Administrator settings > Set menu password*.

   On the remote control, press the # key to toggle between lower or upper case characters and numbers: abc/ABC/123.

2. Enter the menu password. The password you enter is hidden; each character is replaced with an asterisk (*).

3. Select *Save* to save the changes, or *Cancel* to leave without saving.

4. Press *Home* (⌂) to exit.

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Configuration using the web interface

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

Finding the IP address

Tap *Settings > System Information* on your Touch controller; or navigate to *Home > Settings > System information* if you use the remote control and on-screen menu.

In both cases you can find the IPv4 Address and/or IPv6 Address of the system in the *Network* section.

Signing 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 password and click *Sign In*.

The default user name is admin with no password 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.
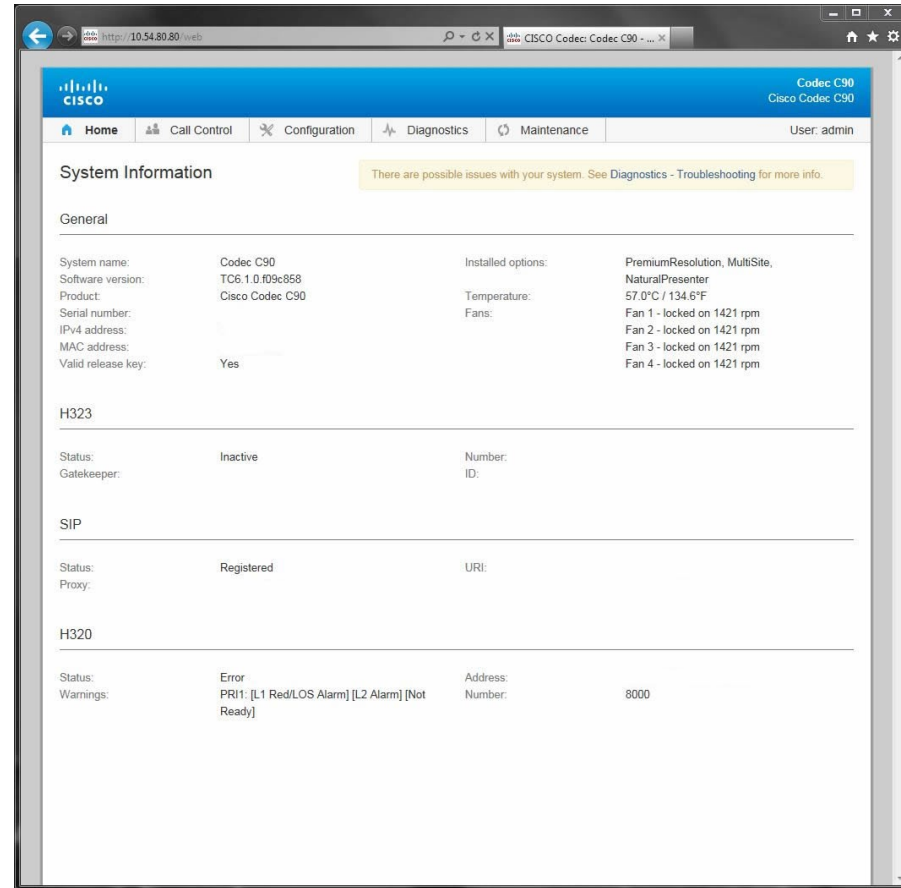
The web interface

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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 provisioning settings.

Select provisioning infrastructure

1. Go to the *Configuration* tab and click *System Configuration*.

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

3. Select a provisioning infrastructure in the *Mode* drop down list:

- TMS – Cisco TelePresence Management System

- VCS – Cisco Video Communication Server (only available for EX Series and MX series)

- Callway –WebEx Telepresence

- CUCM – Cisco Unified Communications Manager

- Auto - The system starts provisioning by first trying VCS, then TMS and finally CUCM.

If you select *Off*, all configurations must be set manually on the video system.

Set the required provisioning parameters

Which parameters to set depend on which infrastructure was 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 the *ExternalManager* heading.*

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

VCS *(for EX Series and MX Series only)*

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 the *ExternalManager* heading.

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

Have a look at the ▸Cisco VCS provisioning for EX Series and MX Series appendix for more information about VCS provisioning.

WebEx Telepresence (formerly Callway)

Upon ordering the Cisco WebEx Telepresence service, you have received a *Video number* and an *Activation code*.

Please contact your company's WebEx Telepresence administrator if you do not have a video phone number and an activation code.

1. Enter the Video number in the *LoginName* input field.

2. Enter the Activation code in the *Password* input field.

CUCM

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

You can find more details about setting up Cisco UCM provisioning in the *Administering TC endpoints on CUCM* guide.

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 in the input field overrides the setting provided by DHCP.

Configuring IP

(when not set by a provisioning system)

Your video conference system supports both IP version 4 (IPv4) and IP version 6 (IPv6). In both cases, the IP parameters can be assigned automatically by the network, or you can set everything manually.

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

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 will find it on the System Information page. Go to *Diagnostics* tab and choose *System Information*.

NOTE: You must restart the system after changing the IP settings for the changes to take effect.

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

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To set or change the IPv4 settings

Go to the *Configuration* tab and choose *System Configuration*.

1. **Choose IP version**

   Click the *Network* settings in the left sidebar. Under *General Settings* choose **IPv4** in the *IPStack* drop down list.

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

   Choose **DHCP** in the *Assignment* drop down list if you want automatic IP assignment; or **Static** if you want to set the IP addresses manually.

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

   a. Scroll down the page to the *IPv4* section and enter the *Address*, *Gateway* and *SubnetMask* in the corresponding input fields.

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

* IP Assignment:
DHCPv6: All IPv6 addresses, including options, 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. **

To set or change the IPv6 settings

Go to the *Configuration* tab and choose *System Configuration*.

1. **Choose IP version**

   Click the *Network* settings in the left sidebar. Under *General Settings* choose **IPv6** in 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** in 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 and the gateway address in the *Gateway* input field.

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

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

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

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

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

** 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.

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Configuring 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.

NOTE: Contact your system administrator, or service provider, for information about the network settings.

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 TC endpoints on CUCM guide.

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

H.323

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

1. Go to the *Configuration* tab and select *System Configuration*.

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

3. Under *Profile1* heading and the *H323Alias* subheading, enter the *E164* and the *ID* number in their respective input fields.

4. Go to the *Gatekeeper* subheading.

   If you want the system to obtain the H.323 gatekeeper address automatically, select *Auto* in the *Discovery* drop down list; if you want to enter the address manually, select *Manual.*

   If set to *Manual* enter the gatekeeper *Address* in the corre-sponding input field.

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

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

6. Click the *Home* tab to see the *System Information* and verify the H.323 settings.

   If you successfully registered to a Gatekeeper the *Status* is shown as *Registered* in the H323 section.

Please check the Administrator guide for your product if you wish to change the other H.323 settings.

SIP

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

1. Go to the *Configuration* tab and select *System Configuration*.

2. Open the *SIP* page from the sidebar on the left.

3. Under the *Profile 1* heading, enter the SIP URI in the *URI 1* 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*.

6. Go to the *Proxy 1* subheading.

   If you want the system to obtain the SIP proxy address automatically, select *Auto* in the *Discovery* drop down list; if you want to enter the address manually, select *Manual*.

   If you select *Manual* enter the proxy *Address* in the corre-sponding input field.

7. If the SIP proxy requires authentication you must enter a login name and password to authenticate your system. Go to the *Authentication 1* subheading and enter the *LoginName* and *Password* in the corresponding input fields.

8. Click the *Home* tab to see the *System Information* and verify the SIP settings.

   If you successfully registered to a SIP server the *Status* is shown as *Registered* in the SIP section.

Please check the Administrator guide for your product if you wish to change the other SIP settings.

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

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Setting the date, time and location

(when not set by a provisioning system)

When setting up your video conference system, you should check that the date and time settings are correct. Among other things this information is used to time stamp messages transmitted to gatekeepers and other network elements.

If you operate your system using the Touch controller, the time is shown in the top right corner of the Touch controller display; if you operate your system using a remote control, the time and date is shown in the top right corner of the main display.

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

2. Select your preferred date format in the *DateFormat* drop down list.

3. Select your preferred time format in the *TimeFormat* drop down list.

4. Select your time zone in the *Zone* drop down list.

5. Open the *NetworkServices* settings from the left column

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

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

   If you select *Off*, you have to enter the time and date manually using either the Touch controller (*More > Settings > Administrator Settings > Date, Time & Location*) or the remote control and on-screen menu system (*Home > Settings > Date and Time).*

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.

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Setting the system/codec password

You need a user name and a password to sign in to the web and command line interfaces of your system.

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

A warning on the screen of your video system indicates if no administrator password is set. To remove the warning you must set an administrator password.

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

Make sure to keep a copy of the password in a safe place. You have to contact your Cisco representative if you have forgotten the password.

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

2. Enter the *Current password*, the *New password*, and repeat the new password in the appropriate input fields.

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

   If a password is not currently set, use a blank *Current password*.

3. Click *Change password*.

Setting the menu password

Initially, no menu password is set to restrict access to the Administrator menus on the Touch controller and the remote control.

You need to enter this password to configure the video system using a Touch controller or a remote control.

The Administrator Settings menu password cannot be set using the Touch controller.

NOTE: We strongly recommend that you define a password to protect the Administrator Settings menu, since these settings affect the behavior of the video conference system.

1. Go to the *Configuration* tab and select *System Configuration*.

2. Click the text *Set Administrator Settings menu password* in the upper right corner.

3. Enter the menu password in the *Password* field.

4. Click *Save* to confirm the change.

5. The link text in the upper right corner should now be *Change Administrator Settings menu password*.

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

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CHAPTER 4

APPENDICES

29

How to use the Touch controller

The basic functions of the Touch controller are illustrated below.

The Touch controller and its use are described in full detail in the user guide for your video conference system.

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

Basic operating principles

Tap the touch screen to wake up the system, if needed.

Tap a button to activate its function.

Scroll in lists as outlined.

Do not disturb is set here

Call Helpdesk

Control the camera

Selfview

Select headset, handset or speaker

Open the Settings menu, set the local layout, and control the camera

Put the system in standby

Mute your microphone

Adjust the volume

Missed calls indicator

Make a call using the dialpad

Run a presentation

Make a call from your directory or call history

See the list of upcoming meetings

See the list of received messages

The Settings menu on the Touch controller

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

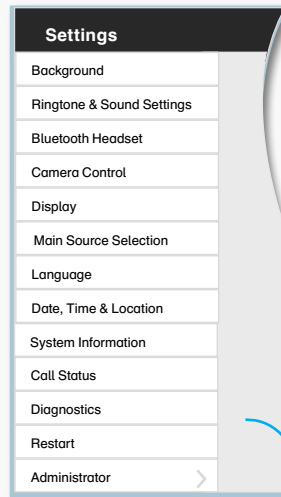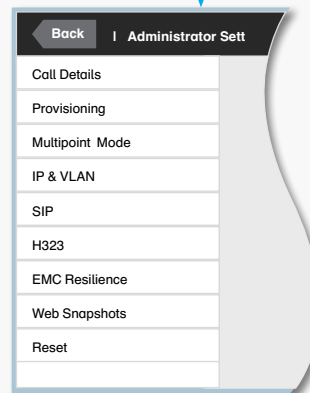You can find a complete description of the Touch controller menus in the User guide for your video conference system.

Settings
Background
Ringtone & Sound Settings
Bluetooth Headset
Camera Control
Display
Main Source Selection
Language
Date, Time & Location
System Information
Call Status
Diagnostics
Restart
Administrator ⟩

The Settings menu

- *Background:* Select a background picture for your Touch controller and main video display.
- *Ringtone & Sound Settings:* Select a ring tone, the ring tone volume and key tone.
- *Bluetooth Headset:* Select a bluetooth headset.
- *Camera Control:* Set the camera parameters.
- *Display:* Select brightness, color temperature and DVI mode for the main video display.
- *Main Source Selection:* Select the main input source, e.g. camera control.
- *Language:* Select the language for the user interface.
- *Date, Time & Location*: Configure date and time settings.
- *System Information:* See an overview of the system configurations.
- *Call Status:* See an overview of the call parameters when in call (e.g. protocols, transmit and receive rates, packet loss).
- *Diagnostics:* Set additional system logging on.
- *Restart:* Select this option to restart the system.
- *Administrator:* See below.

Back I **Administrator Sett**
Call Details
Provisioning
Multipoint Mode
IP & VLAN
SIP
H323
EMC Resilience
Web Snapshots
Reset

The Administrator Settings menu

- *Call Details:* Configure the default bit rate and auto answer settings.
- *Provisioning:* Start the provisioning wizard.
- *Multiway:* Insert the address of the Multiway server.
- *IP & VLAN*: Configure the IP and VLAN settings. If the Touch controller is connected via LAN there are separate entries for the codec and the Touch.
- *SIP*: Configure the SIP settings.
- *H323:* Configure the H.323 settings.
- *Web Snapshots:* Allow/Disallow the web snapshot feature.
- *EMC Resilience:* Select this option to change the Touch controller's resilience to electromagnetic noise present.
- *Reset:* Select this option for a complete factory reset. All of your settings are reset.

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How to use the remote control and on-screen menu

When you pick up the remote control and touch the rubber line sensors along its sides, the system wakes up.

Point the remote control towards the system or camera and press the *Home* key (⌂) to open the top level menu.

Navigating the menu

Using the remote control to navigate the menu:

- Use the arrows down/up to select a menu item.
- Use the arrow right to expand the selection.
- Use the arrow left to go back one step.

Changing settings

Using the remote control to change a value:

- Select a value from a drop down list and press the *OK* (√) key to save, or press the left arrow key ◄ to leave without saving.
- Enter a value/text in a value/text input field. Navigate to *Save* and press *OK* (√) to save the change, or navigate to *Cancel* and press *OK* (√) to leave without saving.

You can find more information about the on-screen menu in the ▸On-screen menu system appendix.

HOME

- Call
- Meetings
- Presentation ▶
- Camera control
- Settings ▶

SETTINGS

- Layout ▶
- Main source: Camera ▶
- Call settings ▶
- Languages ▶
- Date and time ▶
- Sounds and alerts ▶
- Wallpaper: Custom ▶
- System information
- Administrator settings ▶
- Restart

ADMINISTRATOR SETTINGS

- Programmable softbuttons ▶
- Connect to WebEx TelePresence
- Set menu password ▶
- Pairing ▶
- Advanced configuration ▶

Arrow up/down

Press the up ▲ and down ▼ arrow keys to navigate in the menu.

Arrow left

Press the left ◄ arrow key to go one step back in the menu or to move to the left in a text field.

Arrow right

Press the right ▶ arrow key to expand the selected menu item or to move to the right in a text field.
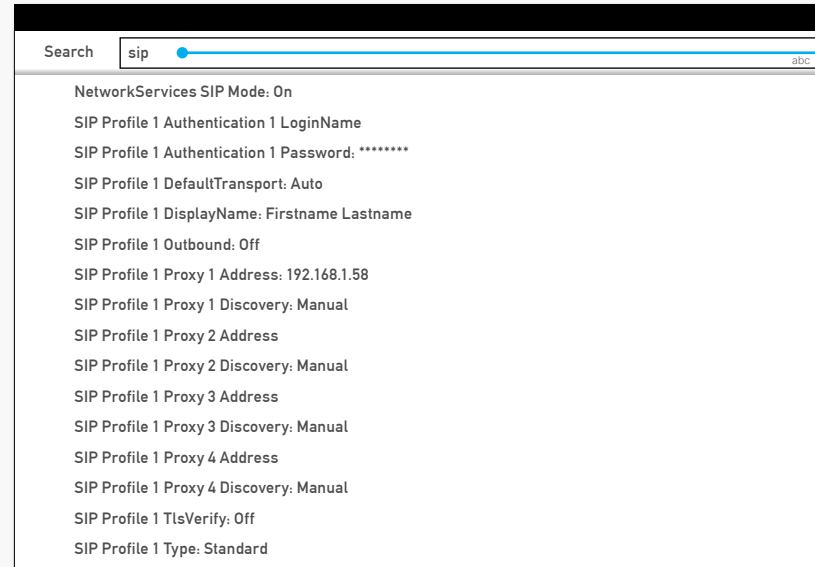
OK/Select

Press the *OK*/*Select* key (√) to confirm your choice or selection.

The search functionality

You can search for system settings in the advanced configuration menu. You can also search for names in the phone book and in the list of recent calls.

- On the remote control, press the # key to toggle between characters and numbers: abc/123.
- Enter as many characters as needed until the name or setting you are searching for is displayed in the list. Add or remove characters until you get the desired result.
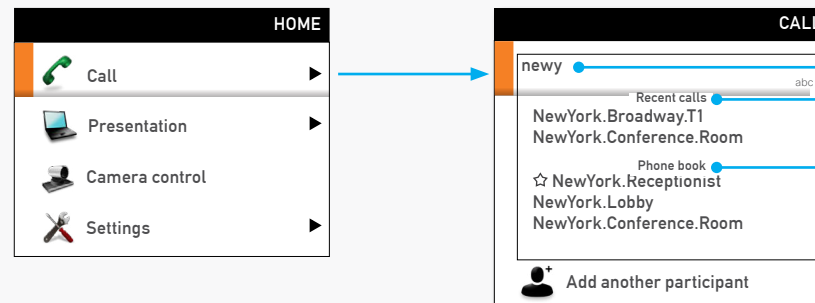- Remove all characters to return to the main view.

Searching for system settings

Search	sip
	abc

NetworkServices SIP Mode: On

SIP Profile 1 Authentication 1 LoginName

SIP Profile 1 Authentication 1 Password: ********

SIP Profile 1 DefaultTransport: Auto

SIP Profile 1 DisplayName: Firstname Lastname

SIP Profile 1 Outbound: Off

SIP Profile 1 Proxy 1 Address: 192.168.1.58

SIP Profile 1 Proxy 1 Discovery: Manual

SIP Profile 1 Proxy 2 Address

SIP Profile 1 Proxy 2 Discovery: Manual

SIP Profile 1 Proxy 3 Address

SIP Profile 1 Proxy 3 Discovery: Manual

SIP Profile 1 Proxy 4 Address

SIP Profile 1 Proxy 4 Discovery: Manual

SIP Profile 1 TlsVerify: Off

SIP Profile 1 Type: Standard

Navigate to the Advanced Configuration menu.

Enter as many characters as needed, until the setting you are searching for is displayed in the list.

Searching for contacts in the Call menu

HOME

📞 Call ▶

💻 Presentation ▶

🖥 Camera control

🛠 Settings ▶

CALL

newy
abc

Recent calls
NewYork.Broadway.T1
NewYork.Conference.Room

Phone book
☆ NewYork.Receptionist
NewYork.Lobby
NewYork.Conference.Room

👤⁺ Add another participant

Enter as many characters as needed, until the name you are searching for is displayed in the list.

Contacts from the list of recent calls are displayed first.

Contacts from the Phone book follow. Contacts marked with a ☆ (star) are from My contacts, the others are from the corporate phone book.

Remote control details

The Functions keys in the upper part of the remote control correspond with the softkeys on screen.

The middle part of the remote control is used to handle the video, sound, phone book, menus and navigation.

The lower part of the remote control is similar to the keypad on a mobile phone.

Make sure the remote control has working batteries (4 x AAA batteries).

Function keys

Each Function key corresponds to a softkey on the screen and represents shortcuts and advanced functions.

Arrow up/down

Press the up ▲ and down ▼ arrow keys to navigate in the menu and to move the camera (pan, tilt) when the menu on screen is not displayed.

Arrow left

Press the left ◄ arrow key to go one step back in the menu or to move to the left in a text field.

Arrow right

Press the right ► arrow key to expand the selected menu item or to move to the right in a text field.

OK/Select

Press the OK/Select key to confirm your choice or selection.

Microphone

Press the Microphone key to switch between setting the micro–phone to on and to off.

Presentation

Press the Presentation key to show or hide a presentation.

Volume

Press + or – on the Volume key to adjust the codec volume.

Zoom

Press + or – on the Zoom key to zoom the camera in and out.

Mute

Press and hold the – to mute an incom-ing call.

Phone book

Press the Phone Book key to display the phone book.

Layout

Press the Layout key to display the layout menu, then select a view in the menu.

Home

Press the Home key to go back to the Home menu.

Call key

Press the Call key to place a call, and to accept an incoming call.

Use the Call button as a shortcut to Recent Calls when the Call menu is not visible.

Clear

Press the Clear key to remove characters in a text field.

End call / Standby

Press the End Call key to reject an incoming call, to end an ongoing call or—when idle—to go into standby mode. When navigating in the menu the key is used to exit the menu system.

Press and hold this key to have the system enter standby mode.

Alphanumeric keypad

The keypad behaves in a similar way to the keypad on a mobile phone.

0-9, a-z, period (.), @, space, *

Press a key repeatedly to toggle between the options displayed on that key.

abc/123 #

Press and hold the # key to toggle between lower and upper case characters and numbers (depending on context).

Waking up the system

To wake up the system just pick up the remote control or press any key. You may have to point the remote control towards the system/camera to make sure it discovers you.

Home key

Press the HOME (⌂) key to open the Home menu on screen.

Rubber line sensors

When you pick up the remote control and touch the rubber line sensors along the sides of the remote control, the system wakes up.

IR sensor range (DIP switch setting)

The IR sensor has a short and long range. When video conference systems are placed close to each other, you may find it convenient to use the short range to avoid interfering with the other systems.

Open the battery cover and remove the batteries to set the DIP switch.
- Short range (1 m / 3 ft): Move the DIP switch down.
- Long range: Move the DIP switch up.

The DIP switch

The on-screen menu system

You can find a complete description of the menus in the user guide and administrator guides.

The *Home*, *Settings* and *Administrator settings* menus are explained in the user guide for your product.

The *Advanced configuration* menu is explained in the administrator guide for your product.

HOME

- Call ▶
- Presentation ▶
- Camera control
- Settings ▶

The Home menu

- *Call:* Menu for making calls.
- *Presentation:* Select a presentation source.
- *Camera control:* Control the camera settings.
- *Settings:* Configure the system.

SETTINGS

- Layout ▶
- Main source: Camera ▶
- Call settings ▶
- Languages ▶
- Date and time ▶
- Sounds and alerts ▶
- Wallpaper: Custom ▶
- System information
- Administrator settings ▶
- Restart

The Settings menu

- *Layout:* Select screen layout, including self view.
- *Main source:* Select the main video source.
- *Call settings:* Configure the default bit rate and auto answer settings.
- *Languages:* Select the preferred menu language.
- *Date and time:* Configure date and time settings.
- *Sounds and alerts:* Select a ring tone, the ring tone volume and key tone.
- *Wallpaper:* Select the background picture for the screen.
- *System information:* See an overview of the system configurations.
- *Administrator settings:* Configure the administrative settings.
- *Restart:* Select this option to restart the system.

ADMINISTRATOR SETTINGS

- Programmable softbuttons ▶
- Connect to WebEx TelePresence
- Set menu password ▶
- Pairing ▶
- Advanced configuration ▶

The Administrator settings menu

- *Programmable softbuttons:* User defined softbuttons for selecting main video source, camera presets or speed dial.
- *Connect to WebEx TelePresence* Connect your system to the WebEx subscription-based service for video calls.
- *Set menu password:* Change the menu password.
- *Pairing:* Change the pairing setup.
- *Advanced configuration:* Configure the system settings.

How to use the web interface

The basic principles of navigating your video conference system's web interface and setting parameters are illustrated below.

You open the web interface by entering your system's IP address in the address bar of a web browser; then sign in.

Recommended browsers: The latest releases of Internet Explorer, Mozilla Firefox, Opera, Chrome or Safari are recommended. Major TC6.1 functionality also works with Internet Explorer 7.

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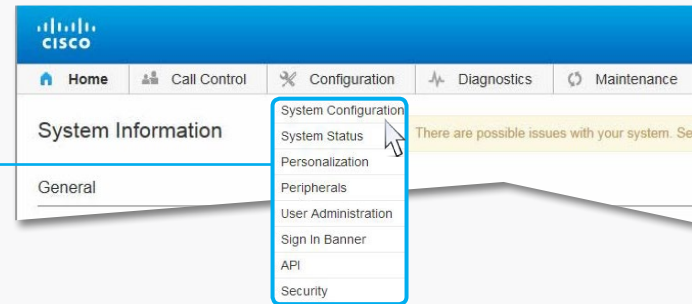
The main menu

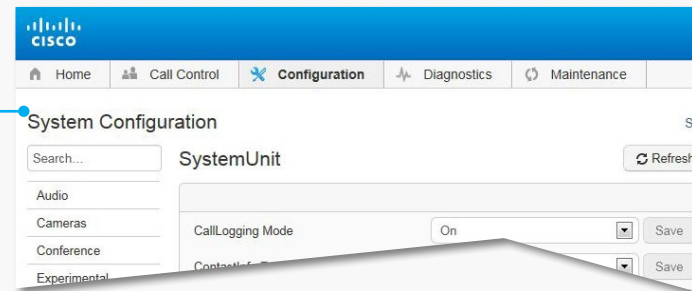The main menu opens when you have successfully signed in to the system.
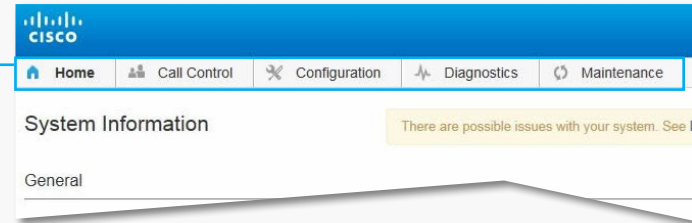
The Configuration sub-menu

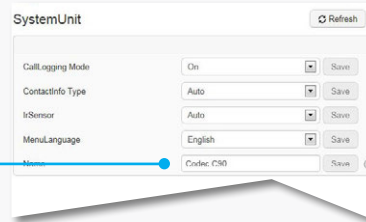A sub-menu opens when you move the mouse over the main menu item.

The System Configuration page

When you click a sub-menu item the corresponding page opens. You can perform different tasks from that page.
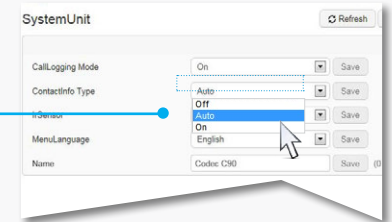
Input text

Enter text in the input field, and click *ok* to save the change.

Select a value

Click the arrow to open the drop down list. Select a value.

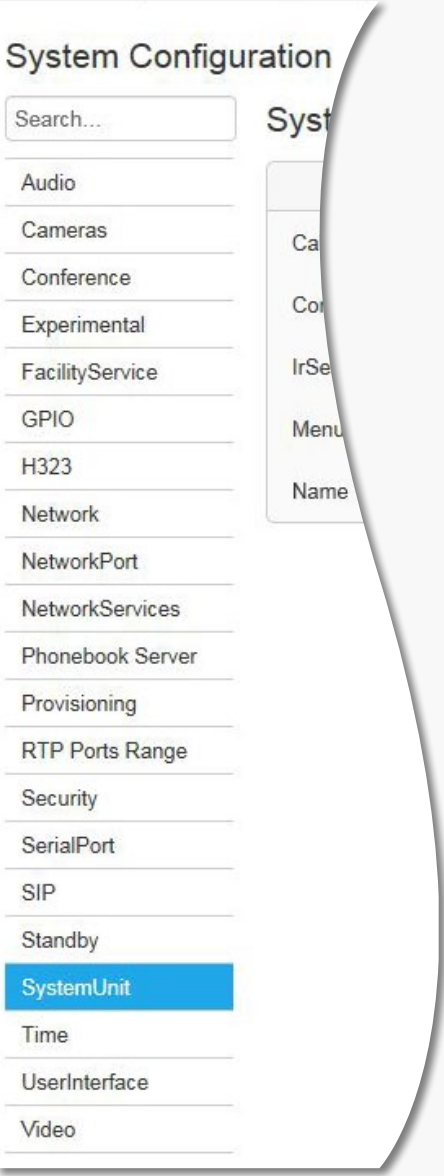## The System Configuration page on the web interface

You open the web interface by entering your video conference system's IP address in the address bar of a web browser; then you sign in.

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

You can access all configuration settings from this page.

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

You can find a complete description of the web interface and the settings in the administrator guide for your system.

System Configuration

Search...

Audio
Cameras
Conference
Experimental
FacilityService
GPIO
H323
Network
NetworkPort
NetworkServices
Phonebook Server
Provisioning
RTP Ports Range
Security
SerialPort
SIP
Standby
SystemUnit
Time
UserInterface
Video

The System configuration menu

The settings are arranged with the following top level categories:

- *Audio:* Settings for microphones, audio outputs, echo control, volume, sounds, alerts, and more.
- *Cameras:* Settings for focus mode, brightness, whitebalance, backlight compensation, options like flip and mirror, and more.
- *Conference:* Conference settings like transmit and receive bit rates, bandwidth allocation, incoming call handling, encryption, packet loss resilience and far end control.
- *Experimental:* Experimental settings are likely to change in future releases. They can be used 'as is' and are not fully documented.
- *FacilityService:* Setting up speed dial buttons for facility services, e.g. Helpdesk.
- *GPIO:* Definition of the GPIO pins.
- *H323:* All H.323 protocol settings.
- *Network:* IP, VLAN and QoS settings.
- *NetworkPort:* Enable/disable the codec's second Ethernet port.
- *NetworkServices:* Enable/disable the network services: Multiway, Telnet, SSH, HTTP, HTTPS, SNMP, H323, SIP and NTP.
- *Phonebook Server:* Phonebook type and location.
- *Provisioning:* Settings for provisioning mode, manager address and protocols and methods.
- *RTP Port Range:* RTP port numbers.
- *Security:* Settings for an audit server and error logging.
- *SerialPort:* Enable/disable the serial port, and set its baud rate.
- *SIP:* All settings for the SIP protocol.
- *Standby:* Configure when the system should enter standby and how it should behave when entering/leaving standby mode.
- *SystemUnit:* Settings like system name and type, and menu language selection.
- *Time:* Date and time settings.
- *User Interface:* Touch controller settings.
- *Video:* Settings for video sources and monitors, and video display set-up and layout.

Cisco VCS provisioning for the EX Series and MX Series

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 of 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. Examples showing either the default value or an example value are included.

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.

Downloading the provisioning configuration template

You can download the templates here:

EX Series:
▸EX Series Release Notes

MX Series:
▸MX 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.

User documentation on the Cisco web site

User documentation for Cisco TelePresence products can be found on ▸ http://www.cisco.com/go/telepresence/docs.

Depending on which product you have, select the following in the right pane:

Codec C Series:

TelePresence Solutions Platform

> TelePresence Integrator Products

> Cisco TelePresence System Integrator C Series

Or go to ▸ www.cisco.com/go/cseries-docs

EX series:

TelePresence Endpoints - Multipurpose

> Cisco TelePresence EX Series

Or go to ▸ www.cisco.com/go/ex-docs

MX series:

TelePresence Endpoints - Multipurpose

> Cisco TelePresence MX Series

Or go to ▸ www.cisco.com/go/mx-docs

Profile Series:

TelePresence Endpoints - Multipurpose

> Cisco TelePresence System Profile Series

Or go to ▸ www.cisco.com/go/profile-docs

SX20 Quick Set and Quick Set C20:

TelePresence Solutions Platform

> TelePresence Quick Set

> Cisco TelePresence Quick Set Series

Or go to ▸ www.cisco.com/go/quickset-docs

Document categories

For each product you can find the documents under the following categories:

User guides:

Maintain and Operate | End-User Guides

Quick reference guides:

Maintain and Operate | End-User Guides

Installation guides:

Install and Upgrade | Install and Upgrade Guides

Getting started guide:

Install and Upgrade | Install and Upgrade Guides

Administrator guides:

Maintain and Operate | Maintain and Operate Guides

API reference guides:

Reference Guides | Command references

Physical interface guides:

Maintain and Operate | End-User Guides

Regulatory compliance and safety information:

Install and Upgrade | Install and Upgrade Guides

TC software release notes:

Release and General Information | Release Notes

TC software licensing information:

Release and General Information | Licensing Information

Video conferencing room guidelines:

Design | Design Guides

NOTE: All products do not have all types of user documentation.

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