VIDEO SYSTEMS GETTING STARTED GUIDE

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

Software version TC6.0
FEBRUARY 2013
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

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>3</td>
</tr>
<tr>
<td>About this guide</td>
<td>4</td>
</tr>
<tr>
<td>User interfaces</td>
<td>5</td>
</tr>
<tr>
<td>User interfaces</td>
<td>6</td>
</tr>
<tr>
<td>Configuration</td>
<td>7</td>
</tr>
<tr>
<td>How to configure your system</td>
<td>8</td>
</tr>
<tr>
<td>About user roles, user accounts and passwords</td>
<td>8</td>
</tr>
<tr>
<td>Touch control</td>
<td>8</td>
</tr>
<tr>
<td>Remote control</td>
<td>8</td>
</tr>
<tr>
<td>Web interface</td>
<td>8</td>
</tr>
<tr>
<td>Command line</td>
<td>8</td>
</tr>
<tr>
<td>Configuration tasks</td>
<td>9</td>
</tr>
<tr>
<td>Configuration tasks (continued)</td>
<td>10</td>
</tr>
<tr>
<td>Configuration tasks (continued)</td>
<td>11</td>
</tr>
<tr>
<td>Configuration using the Touch controller</td>
<td>12</td>
</tr>
<tr>
<td>Provisioning set-up</td>
<td>13</td>
</tr>
<tr>
<td>Configuring IP</td>
<td>14</td>
</tr>
<tr>
<td>Configuring H.323 and SIP</td>
<td>15</td>
</tr>
<tr>
<td>Setting date, time and location</td>
<td>16</td>
</tr>
<tr>
<td>Configuration using the remote control and on-screen menu</td>
<td>17</td>
</tr>
<tr>
<td>Provisioning set-up</td>
<td>18</td>
</tr>
<tr>
<td>Configuring IP</td>
<td>19</td>
</tr>
<tr>
<td>Configuring H.323 and SIP</td>
<td>20</td>
</tr>
<tr>
<td>Setting date, time and location</td>
<td>21</td>
</tr>
<tr>
<td>Setting the Administrator Settings menu password</td>
<td>22</td>
</tr>
<tr>
<td>Configuration using the web interface</td>
<td>23</td>
</tr>
<tr>
<td>Provisioning set-up</td>
<td>24</td>
</tr>
<tr>
<td>Configuring IP</td>
<td>25</td>
</tr>
<tr>
<td>Configuring H.323 and SIP</td>
<td>26</td>
</tr>
<tr>
<td>Setting the date, time and location</td>
<td>27</td>
</tr>
<tr>
<td>Setting the system/codec password</td>
<td>28</td>
</tr>
<tr>
<td>Setting the menu password using the command line interface</td>
<td>29</td>
</tr>
<tr>
<td>Appendices</td>
<td>30</td>
</tr>
<tr>
<td>How to use the Touch controller</td>
<td>31</td>
</tr>
<tr>
<td>The Settings menu on the Touch controller</td>
<td>32</td>
</tr>
<tr>
<td>How to use the remote control and on-screen menu</td>
<td>33</td>
</tr>
<tr>
<td>Remote control details</td>
<td>35</td>
</tr>
<tr>
<td>The on-screen menu system</td>
<td>37</td>
</tr>
<tr>
<td>How to use the web interface</td>
<td>38</td>
</tr>
<tr>
<td>The System Configuration page on the web interface</td>
<td>39</td>
</tr>
<tr>
<td>Cisco VCS provisioning for the EX Series and MX Series</td>
<td>40</td>
</tr>
<tr>
<td>User documentation on the Cisco web site</td>
<td>41</td>
</tr>
</tbody>
</table>
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 panel
- 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:


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 MX Series and EX 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.
CHAPTER 3

CONFIGURATION
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 control
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.

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
- Remote control and on screen menu
- Web interface

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
- Remote control and on screen menu
- Web interface

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
- Remote control and on screen menu
- Web interface
## 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...
- **Command line**
  - 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...
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.
Provisioning set-up
(when using a provisioning system)

Start the Provisioning Wizard
Tap Settings > Administrator Settings > Network Settings > 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.

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.

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 UCM guide.

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.

* 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.
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: DHCP Options**
   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.

---

* 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.
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 administering 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 Settings > Network Settings > H323 Settings
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. Tap Back twice to 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 Settings > Network Settings > SIP Settings
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. Tap Back twice to 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.
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 > Administrator 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.
Configuration using the remote control and on-screen menu*

Waking up the system

If there is no menu on screen, press Home (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 the 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.

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

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.

Always save the new value when you change a setting

- Drop down list selection: Navigate to the correct value and press the OK (v) 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 (v) key to confirm.

*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.

To set or change the IPv4 settings

1. Select IP version
   Go to Home > Settings > Administrator settings > IP settings. Select IPv4 in the IP version drop down list.

2. Select automatic or manual IP assignment
   Go to Configure > IP assignment. Select DHCP 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 DHCP, the IP configuration is complete.
   b. If you selected Static, go to Configure and enter the IP Address, Subnet Mask, Gateway, and DNS Server.

3. Save settings
   Navigate to Save to save the change, or Cancel to leave without saving. Press OK (✓) to confirm.

4. Return to the main menu
   Press Home (↑) to return to the home menu.

To set or change the IPv6 settings

1. Select IP version
   Go to Home > Settings > Administrator settings > IP settings. Select IPv6 in the IP version drop down list.

2. Select automatic or manual IP assignment
   Go to Configure > IP 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 Configure, and set DHCP Options to On or Off according to your preference.*
   b. If you selected Static, go to Configure, and enter the IP Address and Gateway. Set DHCP Options to On or Off according to your preference.**

3. Save settings
   Navigate to Save to save the change, or Cancel to leave without saving. Press OK (✓) to confirm.

4. 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 Network 1 > DNS > Server 1 and write in the address. Select save to confirm the address.
   To set the NTP address go to Network services > NTP and set the address. Select save to confirm the address. Set Mode to Auto.

5. Return to the main menu
   Press Home (↑) to return to the home menu.

*IP Assignment:
   DHCPv4: All IP 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.
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 administering through Cisco UCM in the Administering TC 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 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.

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

Copyright © 2010-2013 Cisco Systems, Inc. All rights reserved.
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 transmitted 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.

   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.

* 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 (Home) to exit.
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.
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. Under General Settings heading 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.

* 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

To set or change the IPv4 settings

Go to the Configuration tab and choose System Configuration.

1. Choose IP version
   Go to the Network 1 settings in the left sidebar. Under General Settings choose IPv4 in the IPStack drop down list. Click save to confirm the change.

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. Click save to confirm the change.

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. Click save to confirm each change.
   b. Go to the DNS section and enter the DNS server address in the Server 1 Address input field. Click save to confirm the change.

To set or change the IPv6 settings

Go to the Configuration tab and choose System Configuration.

1. Choose IP version
   Go to the Network 1 settings in the left sidebar. Under General Settings choose IPv6 in the IPStack drop down list. Click save to confirm the change.

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.* Click save to confirm the change.

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. Click save to confirm the changes.

4. If IP Assignment is Static or Autoconf: DHCPOptions
   Choose On or Off in the DHCPOptions drop down list according to your network requirements.** Click save to confirm the change.

5. If DHCPOptions is Off: Configure DNS and NTP
   a. Go to the DNS section and enter the DNS server address in the Server 1 Address input field. Click save to confirm the change.
   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. Click save to confirm the change.

* 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.
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 administering through Cisco UCM in the [Administering Tc 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 **Configuration** tab and select **System Configuration**.
2. Open the **H323** settings from the left column.
3. Under **Profile** 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 corresponding 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 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 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 corresponding 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** 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 want to change the other SIP settings.

---

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

Back to task overview
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. Under General Settings heading 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. Click ok to save the change.

   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).

* 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 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 using the command line interface

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.

The Administrator Settings menu password cannot be set using the Touch controller. If your system does not have a remote control, you have to set the menu password from the command line interface.

### Signing in to the command line interface

1. To find the IP address of the system, tap *More > Settings > System Information* on the Touch controller.
   
   The IPv4 Address and/or IPv6 Address is listed in the *Network* section.

2. Open a command line interface (SSH or Telnet) using the system's IP address.

3. Enter your codec/system user name and password when prompted.
   
   The default user name is *admin* with no password set.

### Setting the menu password

1. Connect to the system through the network or the serial data port, using a command line interface (SSH or Telnet).

2. Type the following command:

   ```
xCommand SystemUnit MenuPassword Set
   Password: <password>
   ```

   The password format is a string with 0–255 characters.
CHAPTER 4

APPENDICES
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.
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.

The Settings menu
- **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).
- **Language**: Select the language for the user interface.
- **Camera Control & Settings**: Set the camera parameters.
- **Display Settings**: Select brightness, color temperature and DVI mode for the main video display.
- **Ringtone & Sound Settings**: Select a ring tone, the ring tone volume and key tone.
- **Background**: Select a background picture for your Touch controller and main video display.
- **Main Source Selection**: Select the main input source, e.g. camera control.
- **Administrator Settings**: See below.
- **Restart**: Select this option to restart the system.

The Administrator Settings menu
- **Date, Time & Location**: Configure date and time settings.
- **Call Settings**: Configure the default bit rate and auto answer settings.
- **Network Settings**: See below.
- **Web Snapshots**: Allow/Disallow the web snapshot feature.
- **EMC Resilience Mode**: 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.

The Network Settings menu
- **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.
- **Pairing**: Configure pairing between the codec and the Touch controller.
- **H323 Settings**: Configure the H.323 settings.
- **SIP settings**: Configure the SIP settings.
- **Provisioning**: Start the provisioning wizard.
- **Multiway**: Insert the address of the Multiway server.
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.
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

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

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

Function keys

Arrow up/down
Press the up \( \uparrow \) and down \( \downarrow \) 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 \( \rightarrow \) 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.

Arrow up/down
Press the up \( \uparrow \) and down \( \downarrow \) 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 \( \rightarrow \) 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 microphone to on and to off.

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

Mute
Press and hold the – to mute an incoming call.

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

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

Press the right \( \rightarrow \) arrow key to expand the selected menu item or to move to the right in a text field.

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

Microphone
Press the Microphone key to switch between setting the microphone to on and to off.

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

Mute
Press and hold the – to mute an incoming call.

Presentation
Press the Presentation key to show or hide a presentation.

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

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.

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

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.

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.
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.

The Home menu

- Call: Menu for making calls.
- Meetings: A list off upcoming meetings.
- Presentation: Select a presentation source.
- Camera control: Control the camera settings.
- Settings: Configure the system.

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.

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.
- IP settings: Configure the IP settings.
- 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 TC6.0 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 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.

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 1**: 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 1**: IP, VLAN and QoS settings.
- **NetworkPort 2**: 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 1**: Phonebook type and location.
- **Provisioning**: Settings for provisioning mode, manager address and protocols and methods.
- **RTP Port Range**: RTP port numbers.
- **SIP Profile 1**: All settings for the SIP protocol.
- **Security**: Settings for an audit server and error logging.
- **SerialPort**: Enable/disable the serial port, and set its baud rate.
- **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 panel 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.
Intellectual property rights

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANU

AL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB’s public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco’s trademarks can be found at www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1055R)

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

TANDBERG is now a part of Cisco. TANDBERG® is a registered trademark belonging to Tandberg ASA.

Cisco contacts

On our web site you will 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