

Software version TC4.0  
NOVEMBER 2010



# Cisco TelePresence System EX60

# What's in this guide?

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

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# Chapter 1

## Introduction

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## Chapter 2

# Connecting the EX60

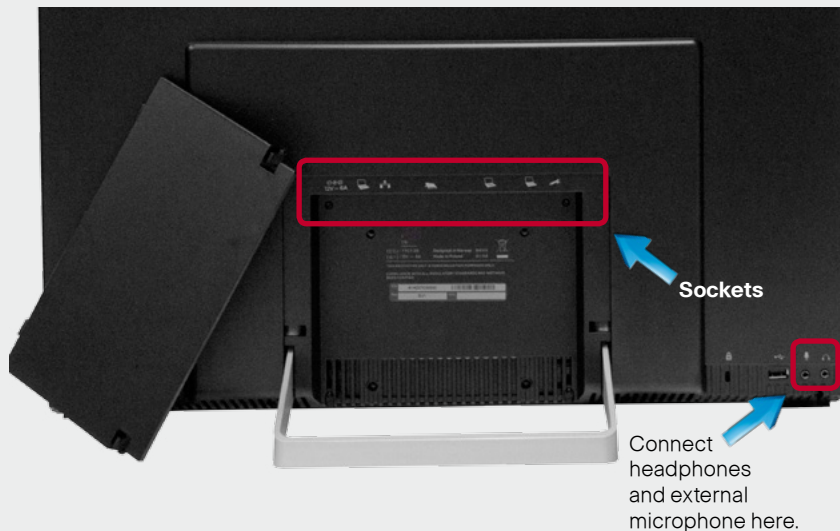
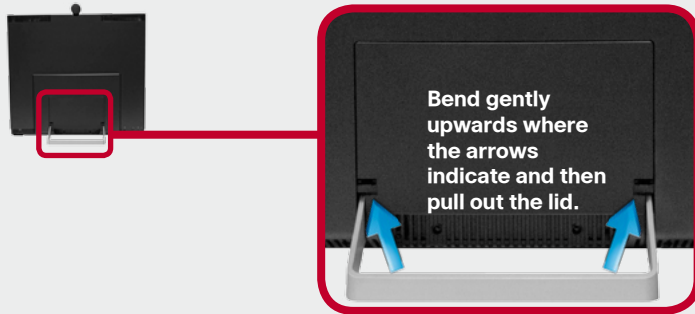


## Connecting the EX60

Connect the cables as shown. Sockets are located behind the rear cover. If you have one LAN connection only—and need that for your PC—the EX60 has a built in Gigabit ethernet switch that enables you to connect your PC to the EX60 to access the LAN through the EX60.

### Rear sockets access

Remove cover to get access to the connector sockets.

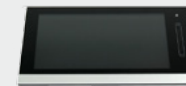


### The EX60 parts

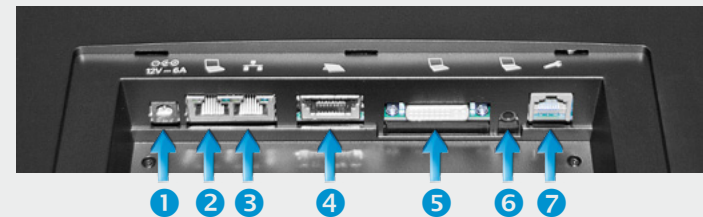
Camera with built-in privacy shutter.



The Cisco Telepresence touch screen controller



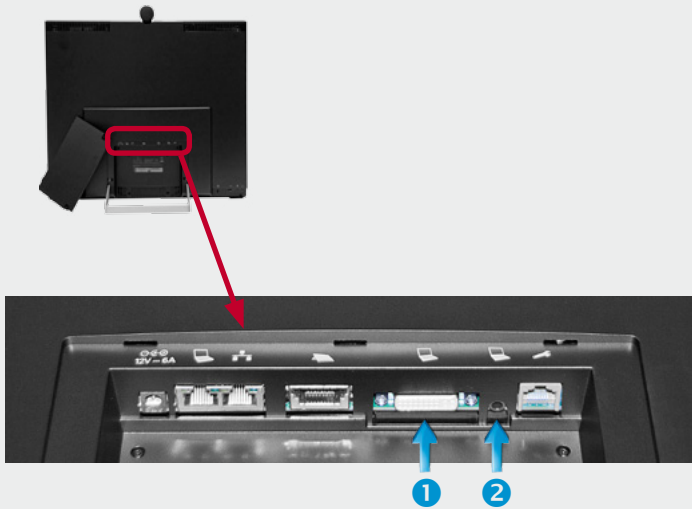
### Connecting



- 1 Connect power here.
- 2 Connect your PC here if you need to share a single LAN connection with the EX60.
- 3 Connect your EX60 to the LAN.
- 4 Connect the touch screen controller.
- 5 DVI socket to use the EX60 as a PC screen.
- 6 Mini-jack socket for PC audio.
- 7 For service and maintenance.

### Connecting a PC to the unit

Your EX60 has an HD display, which also may serve as your PC screen. Connect your PC to the DVI and Mini-jack sockets on the rear panel as shown below. DVI-D to DVI-I cable is recommended to get a high resolution image.



- 1 DVI socket to use the EX60 as a PC screen.
- 2 Mini-jack socket for PC audio.

### Setting the screen resolution

A resolution of 1920 x 1200 is recommended. However, other resolutions may also be used as shown in the below tables.

#### Digital input via DVI

- 1920 x 1200 (recommended)
- 1920 x 1080
- 1776 x 1000 (not full screen)
- 1680 x 1050
- 1600 x 1200 (not full screen)
- 1440 x 900
- 1400 x 1050 (not full screen)
- 1280 x 1024 (not full screen)
- 1280 x 960 (not full screen)
- 1280 x 800
- 1280 x 768 (not full screen)
- 1280 x 720 (not full screen)
- 1152 x 648 (not full screen)
- 1024 x 768 (not full screen)
- 960 x 600 (not full screen)
- 800 x 600 (not full screen)

#### Analog input via DVI

- 1920 x 1200 (recommended)
- 1680 x 1050
- 1600 x 1200 (not full screen)
- 1440 x 900
- 1280 x 1024 (not full screen)
- 1024 x 768 (not full screen)
- 800 x 600 (not full screen)

Screen resolution must be set via the web interface, using the Video Output HDMI [1] Resolution setting. For details on this, see the EX60 Administrator Guide, which is available separately for download.

### Use as PC screen

If you choose to use your EX60 as your PC screen, connect your PC to the sockets on the rear panel as shown above.

Your EX60 will then serve as your PC screen outside calls. In a call tap **View desktop** to see the desktop.

Your desktop is **not** exposed to the other side.

## Chapter 3

# Using the EX60

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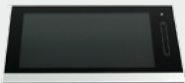


### Camera adjustments

The camera can be tilted mechanically in vertical direction.



Turn the circumference to activate the privacy shutter.



### Use as document camera

Tilt the camera as shown to use it as a document camera. Image is automatically turned upside down, so that both parties will see the document correctly.



The Cisco Telepresence touch screen—initial view



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

Numeric keypad or alphanumeric keyboard

Your personal phone book, generated and maintained by you

Corporate phone book

List of recent calls, placed, received and missed

Selfview (what others see from your video system—the outgoing video)

Initial settings—before you begin



Tap **Selfview** to see what others will see of you.

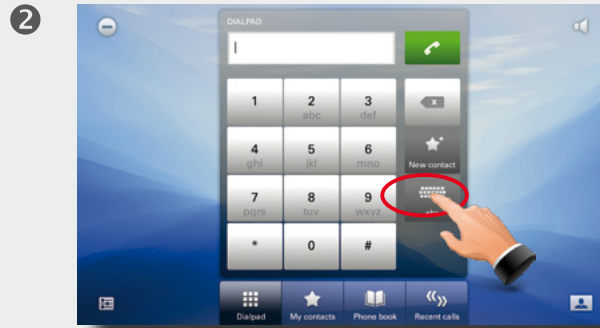


Tilt the camera to obtain the best view. The best view will be the view that positions your face as high up on the screen as possible without cutting too much off the top of your head.

Calling someone by dialing



Tap **Dial pad**.



Use the numeric keypad for numbers, or use the keyboard mode.

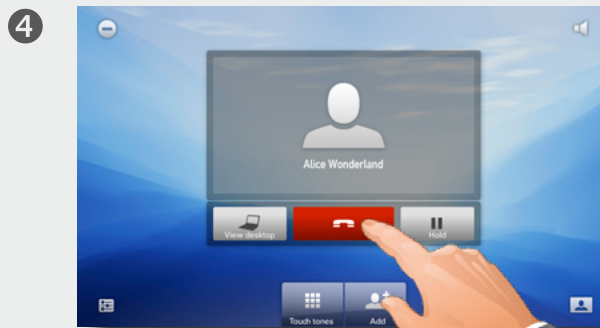
Tap **abc** to change to keyboard and **123** to change back.



If you need to key in digits or special characters, press and hold the key until the character appears.



Tap the green **Call** button to place the call.



Terminate the call by tapping the red **Terminate call**.

## Calling someone using Recent calls



1 Tap **Recent calls** to display the list of recent calls.



2 Recent calls is a list of placed, missed and received calls since the last time you cleared the list.

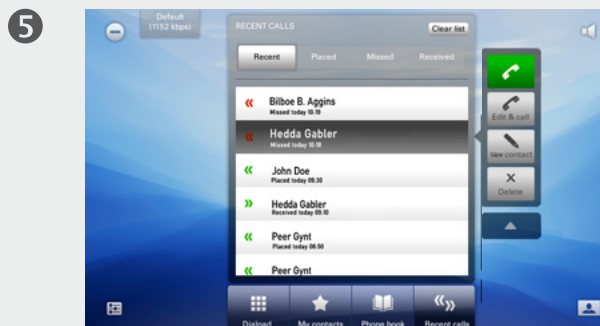
- » Calls placed
- » Calls received
- « Calls missed



3 Scroll by dragging up or down anywhere in these lists.



4 Tap the entry to be called. This will cause the **Call** button to appear. Tap to display the context sensitive options list, if needed.



5 You may now either call the entry; edit the entry before calling; add the entry to *My contacts* or simply remove the entry. Or you may do nothing—just tap **Recent calls** again to hide the entire *Recent calls* list.



6 Place the call.

Terminate the call as described in “Calling someone by dialing” on page 15.

Calling someone using My contacts



1 Tap **My contacts** to display your personal phone book.



2 Scroll by dragging up or down anywhere in the list.



3 Tap the entry to be called. This will cause the **Call** button to appear. Tap to display the context sensitive options list, if needed.



4 Call the entry now.  
 Edit before calling.  
 Edit the entry itself.  
 Remove the entry.  
 Contract list.

Calling someone using the Phone book



Tap **Phone book** to display the corporate phone book.



Phone books may have subfolders. Tap a subfolder to display its contents.

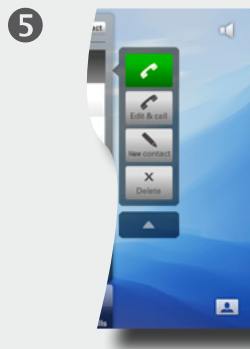


Scroll by dragging up or down anywhere in these lists.

Tap the entry you want to call.



Tap **Call** to place the call.



You may expand the list to get the same options as on the previous pages.

Search the Phone book, then call



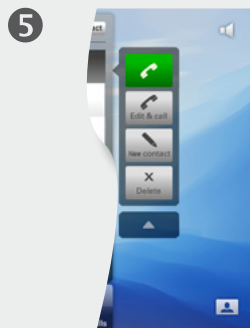
Tap **Phone book** to display the corporate phone book.



Tap in the search field to start searching for an entry.  
The keyboard will now appear.



Start keying in the entry. Matches will appear as you write.



You may expand the list to get the same options as outlined on the previous pages.



### Phone book matters

The contents of the (corporate) phone book cannot be altered by the user. However, any entries in the phone book may be copied to *My contacts* and altered there, if needed.

In addition, the “number” of any call received or dialed (including entries in the list of recent calls) can be entered into *My contacts*.

### Entering a new contact manually



Once within *My contacts*, tap **New contact** to produce the *New contact* dialog. Fill in as required and tap **Save** contact to exit dialog, putting changes into effect.

### Adding to My contacts from call lists or the Phone book

There is a multitude of ways to enter someone into *My contacts*. You may add entries from the *Phone book*; entries from the *Recent calls* list, as well as the “number” of anyone you call or receive calls from.

To add someone, expand the call menu as shown and tap **New contact**. This will produce the *Edit contact* dialog box. Edit if required and tap **Save** to add the new contact to the *My contacts* list.



### Editing in My contacts

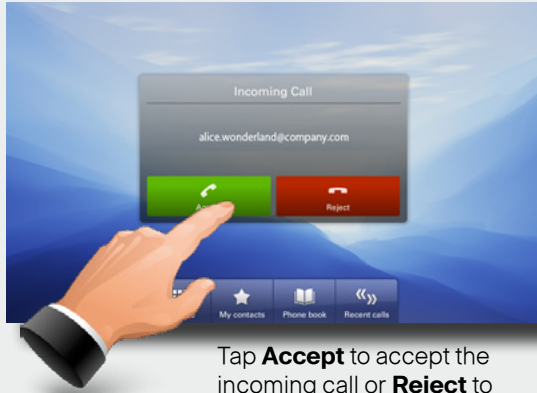
To edit, including delete, any of the entries in *My contacts*, tap **My contacts** and tap the entry to be edited or deleted.

Expand the menu, if required.

Tap **Edit** to produce the *Edit* dialog box and **Delete** to delete the entry. You will be alerted to confirm.



### Receiving calls



Tap **Accept** to accept the incoming call or **Reject** to reject it.

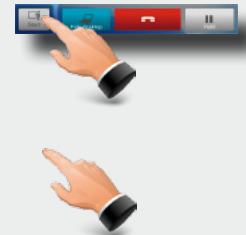
### Do not disturb



The *Do not disturb* feature can be activated to disable the incoming call alert signal. You may still receive and place calls. Tap to activate—the icon will then turn red and white. Tap again to deactivate.

### Sharing presentations

In a call, you may share your PC screen with the other side. Tap **View** desktop (as above) and then tap **Start** to activate. To deactivate, tap **Stop**.



For other aspects of this feature, including how to use the EX60 as your PC screen—see the section “*Use as PC screen*” on page 10

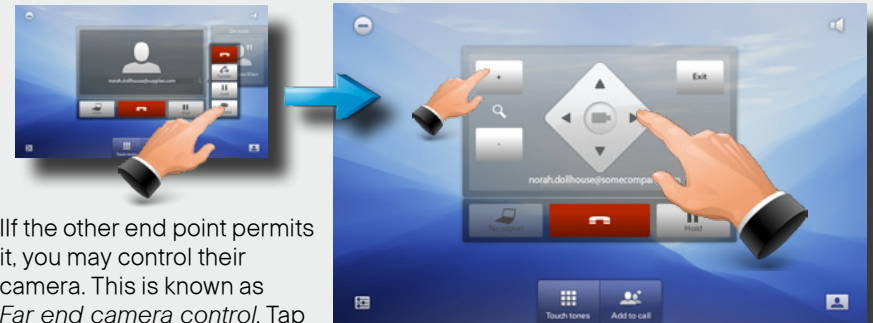
### Call transfer



With one on hold, tap the one in call to display the menu. The menu will allow you to transfer this call to someone else. A ▼ indicates that you should use the *Dialpad*, the *Phone book*, or the *Recent calls* list to locate whom to transfer the call to.

(Optional feature)

### Far end camera control



If the other end point permits it, you may control their camera. This is known as *Far end camera control*. Tap **Camera**.

Pan and zoom the far end camera as needed. If the other camera cannot be controlled, nothing happens. Press **Exit** when finished.

## Chapter 4

# The settings—using the Cisco Telepresence touch screen

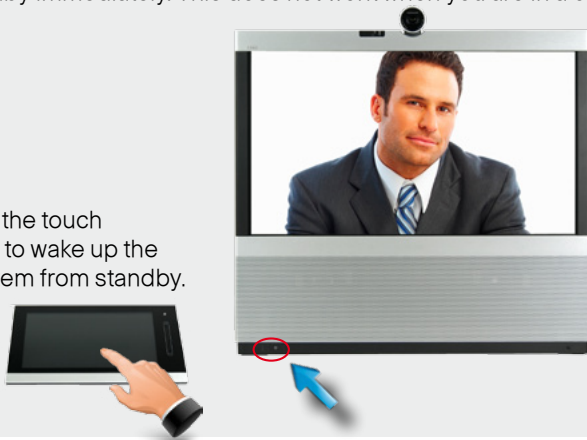


Your EX60 can be configured via the touch screen controller or via its web interface. For full access to all configurable parameters the web interface must be used—the touch screen controller provides access to a limited set of parameters only.

### Setting the EX60 in standby

Outside a call, you may have the unit enter standby mode by touching the **Power** button on the main unit (the screen). The *Standby* dialog is displayed and the unit enters standby immediately. This does not work when you are in a call.

Tap the touch pad to wake up the system from standby.



### Shutting down the EX60

Outside a call, press the **Power** button until the *Shutdown progress bar* is filled completely.

Release the button and the unit will go in shutdown in just a few seconds.



To start the system again, press the **Power** button until the LED illuminates (green light).

### Reverting to factory default settings

**To revert to the factory default settings, do as follows:**

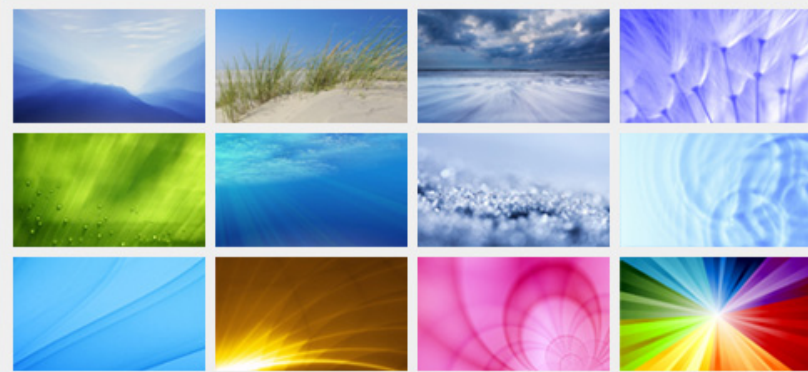
1. Disconnect the power cord.
2. Reconnect the power cord—a green light will illuminate shortly after.
3. Press the **Power** button as soon as the green light appears. Keep it depressed for 15 seconds or so, until the green light starts flashing.
4. Release the button and press twice within 2 seconds. All settings will now revert to factory default settings.

### Changing background image on touch screen

The background image on the touch screen controller can be changed.

**Do as follows:**

1. Draw a circle with your finger anywhere on the screen where there are no icons.
2. The below image will then appear on the touch screen screen. Tap one of the small images to use it as background image.



## Entering the Settings menus



Tap **Setup**.

Tap a field to display the corresponding settings.



Tap **Settings** to gain access to the *Settings*.

Select the tab required by tapping on it.

Settings & preferences | System information | Call status | Exit

- Call settings
- Date, time & location
- Ringtone & sound settings
- Display settings
- Camera control & settings
- IP settings
- H323 settings
- SIP settings

Auto answer: Off | On

Delay: - | 0s | +

Max outgoing bandwidth: + | 6000 | -

Max incoming bandwidth: + | 6000 | -

Default call rate (1152): + | 1152 | -

Default call protocol: + | H323 | -

## Call settings

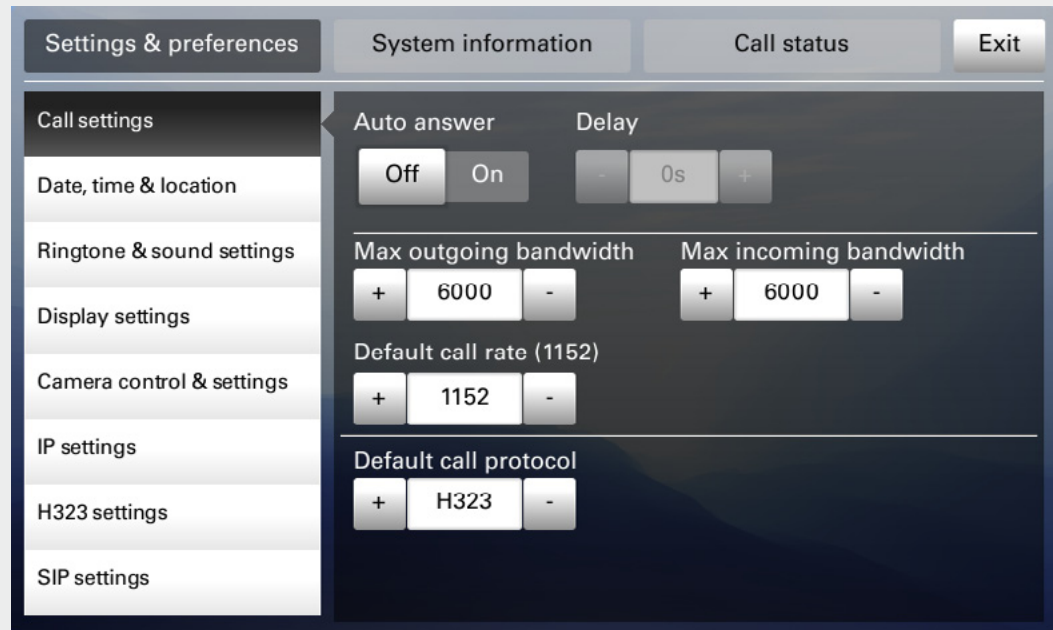
The *Call settings* let you define whether your EX60 shall respond automatically to incoming calls or not.

If you set it to *Auto answer On*, you may specify a delay from the moment an incoming call appears until the unit responds. The delay can be set to 0–50 seconds in one-second steps.

You may also specify:

- Maximum outgoing and incoming bandwidth. The two may have different settings.
- A preferred default call rate different from the one the unit comes with, if needed.
- The default call protocol, choose between SIP and H.323.

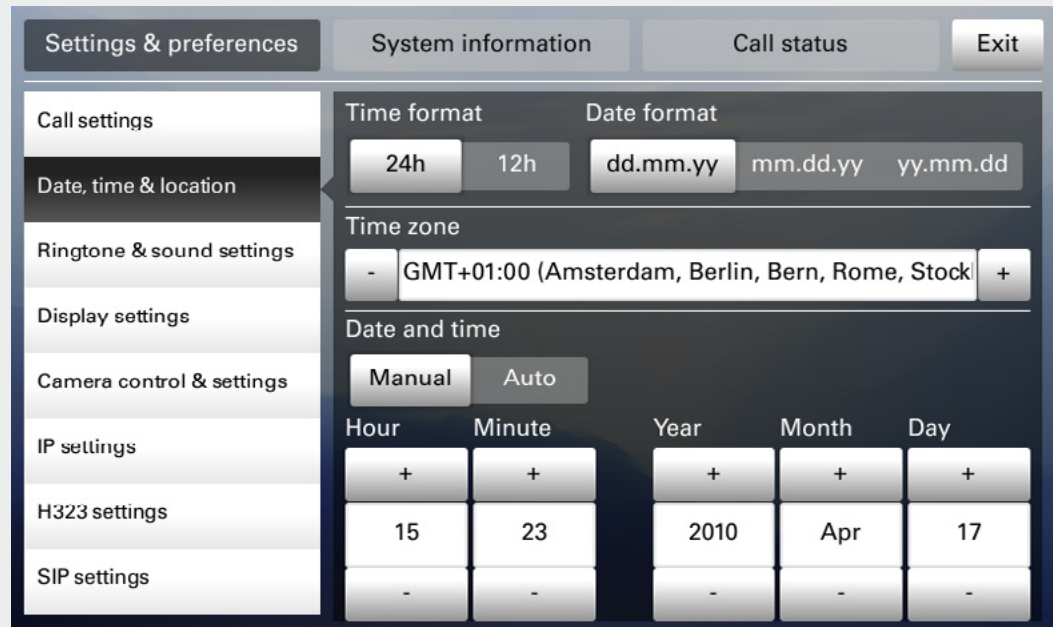
Bandwidth and call rates can be set to 128, 384, 512, 768, 1152, 1920, 2560, 3072, 4000 or 6000 kbps.



## Date, time & location

The *Date, time & location* settings let you specify:

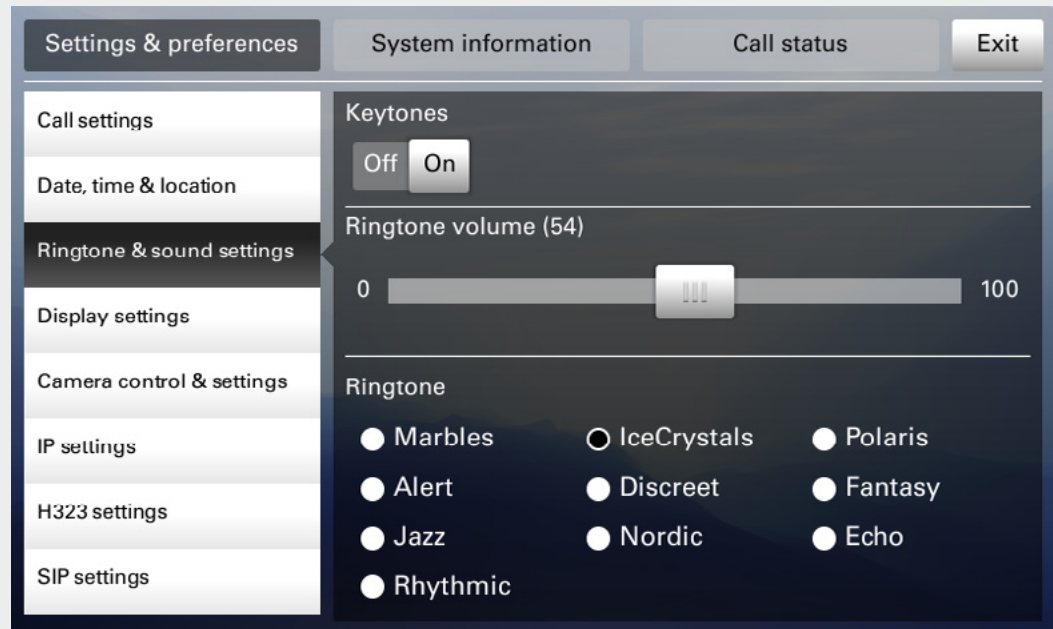
- 24h or 12h time format.
- Your preferred date format.
- Your preferred time zone.
- Whether date and time shall be set automatically or manually.



## Ringtone & sound settings

The *Ringtone & sound settings* let you specify:

- Audible tones when tapping keys on or off.
- The ringtone volume.
- The type of ringtone. Tap a ringtone to hear what it sounds like.

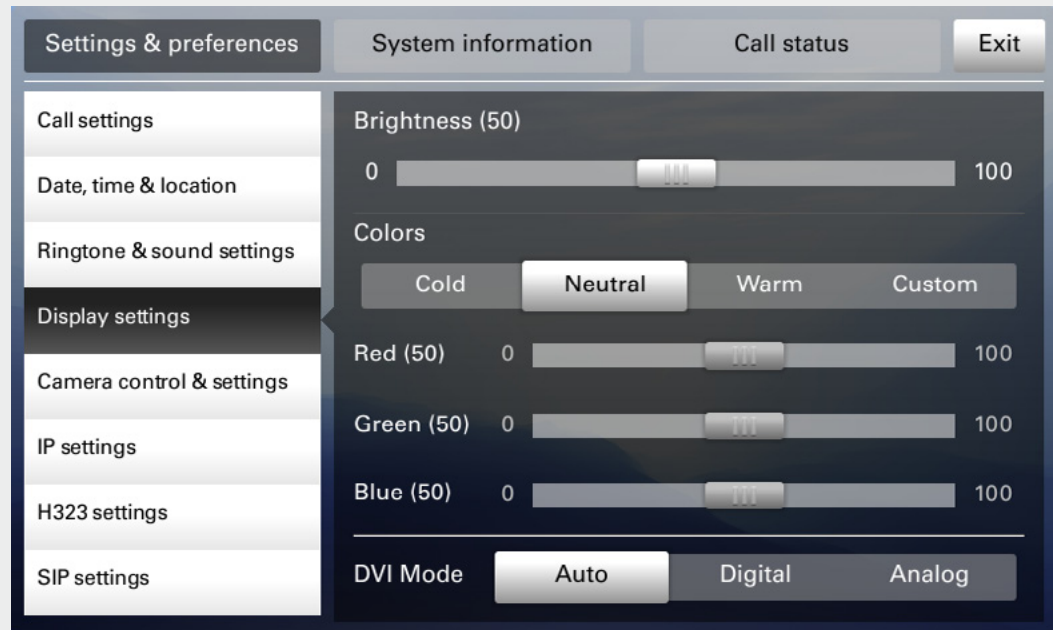




## Display settings

The *Display settings* let you adjust:

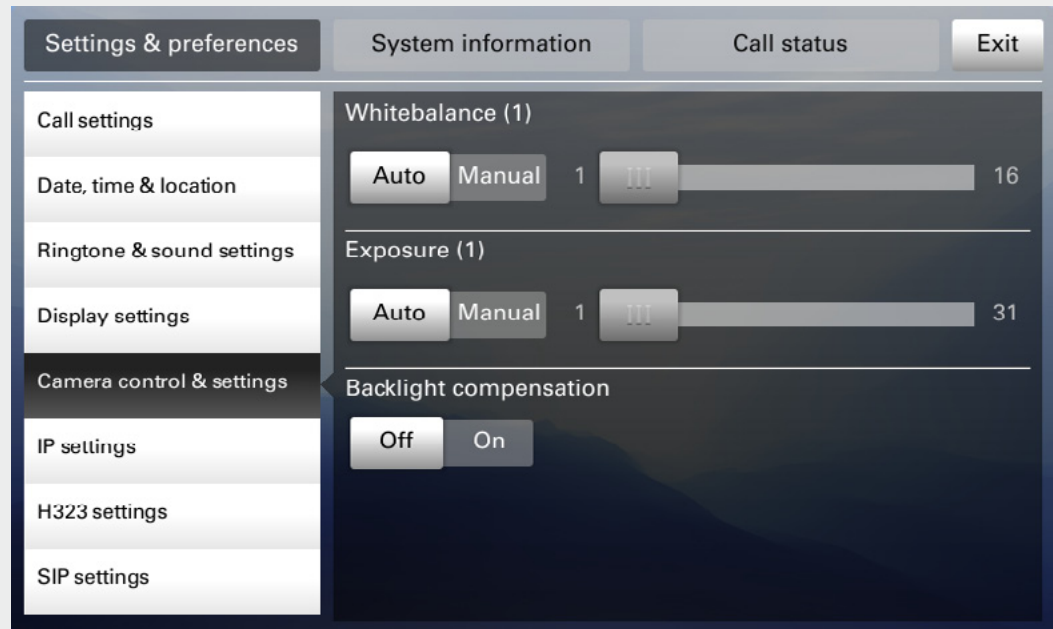
- Preferred brightness by moving the *Brightness* slider.
- The color balance. There are four preset color settings (**Cold**, **Neutral**, **Warm** and your own (**Custom**)) available. When you select **Custom**, you may use the **Red**, **Green** and **Blue** sliders to specify your own setting.
- The DVI mode can be set to automatically detect the type of video signal received, or forced to analog or digital. The DVI mode is used when the unit is connected to a PC to serve as a PC monitor.



## Camera control & settings

The *Camera control & settings* let you specify:

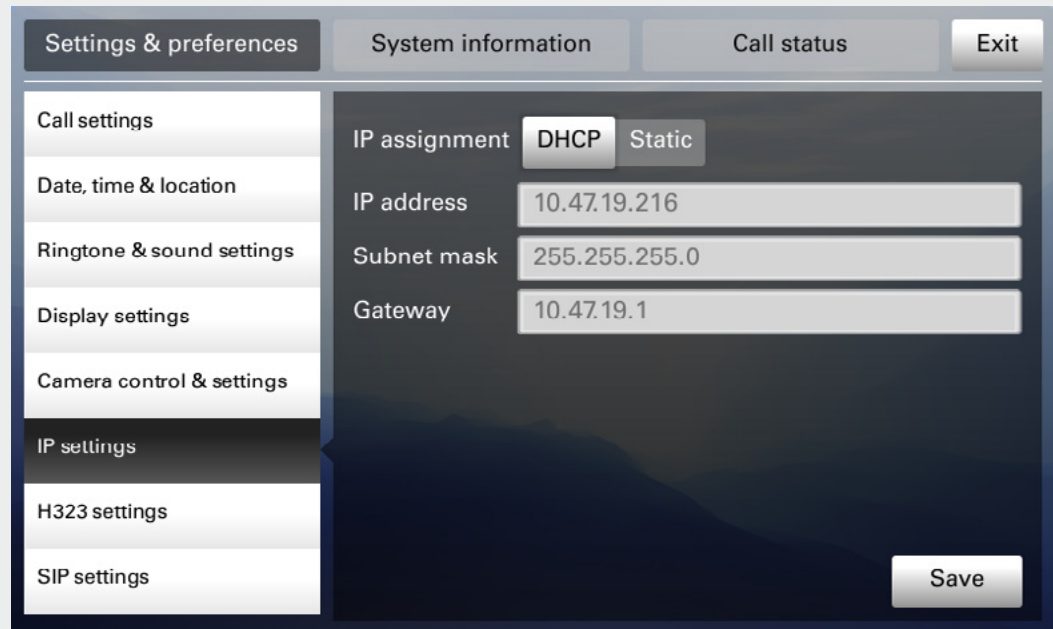
- The *Whitebalance* setting.
- The *Exposure* setting.
- Whether *Backlight compensation* shall be activated or not. Backlight compensation is used to avoid that you appear darker than needed whenever there is much light behind you.



## IP settings

The *IP settings* let you specify:

- The use of *DHCP* or *Static* IP addresses. If you decide to use *Static*, make sure you tap **Save** before leaving the menu.



## H.323 settings

The *H.323 settings* let you specify:

- An H.323 alias.
- Your H.323 id.
- *Gatekeeper discovery* (*Manual* or *Automatic*).
- The *Gatekeeper address* must be specified by you if discovery has been set to manual.
- *Authentication mode* *On* or *Off*. If set to *On*, the EX60 will send Login name and password to the Gatekeeper for authentication.

In addition there are:

- Two fields to enter *Login name* and *password*. The alphanumeric keyboard will appear whenever needed.

Be sure to:

- Tap **Save** to put changes into effect.

Settings & preferences	System information	Call status	Exit
Call settings	H323 number	559216	
Date, time & location	H323 id	nora.dollhouse@supplier.com	
Ringtone & sound settings	Gatekeeper discovery	Manual Automatic	
Display settings	Gatekeeper address	10.47.1.58	
Camera control & settings	Authentication mode	On Off	
IP settings	Login name		
H323 settings	Password		
SIP settings	Save		

## SIP settings

The *SIP settings* let you specify:

- Your *URI*.
- The *Default transport* layer, this can be set to *TCP*, *UDP*, *TLS* or *Auto*.
- The proxy type can be set to *Standard*, *Alcatel*, *Avaya*, *TANDBERG*, *Microsoft*, *Nortel*, *Experimental*, *Siemens*. The experimental setting is for testing purposes.
- *Outbound* is not used in this version.
- *Proxy discovery* can automatic or manual. In the case of manual the proxy address must be specified by you.
- *Login name* and *password* is required by the VCS.

Be sure to:

- Tap **Save** to put settings into effect.

The screenshot shows a settings menu with the following sections and options:

- Settings & preferences** (selected)
- System information**
- Call status**
- Exit**
- Call settings**
- Date, time & location**
- Ringtone & sound settings**
- Display settings**
- Camera control & settings**
- IP settings**
- H323 settings**
- SIP settings** (selected)

Configuration details for SIP settings:

- URI:** nora.dollhouse@supplier.com
- Default transport:** TCP, UDP, TLS, **Auto**
- Proxy type:** - **Standard** +
- Proxy discovery:** **Manual**, Auto
- Proxy address:** 10.47.1.58
- Login name:** [Empty field]
- Password:** [Empty field]
- Save** button

## System information

The **System information** provides all the system information at a glance.

Scroll down to also see status on video inputs (DVI and HDMI).

The screenshot shows a settings window with four tabs: 'Settings & preferences', 'System information' (selected), 'Call status', and 'Exit'. The 'System information' tab displays the following data:

System name:	nora.dollhouse@supplier.com
Uptime:	26 days, 18 hours, 30 minutes
<b>NETWORK</b>	
IP address:	10.476.212
<b>H323</b>	
Number:	n/a
ID:	nora.dollhouse@supplier.com
Gatekeeper:	10.47.1.58
Status:	Registered
<b>SIP</b>	
Address:	nora.dollhouse@supplier.com
Proxy:	10.47.1.58
Status:	Registered. Secured. Not verified.
<b>SOFTWARE</b>	
Version:	TC3.1.0.-Beta1 (TEST SW)
Options installed:	MultiSite, PremiumResolution
<b>HARDWARE</b>	
Module serial	A1AR00000006
MAC address:	

## Call status

The **Call status** provides all the call status information at a glance.

The screenshot shows a web interface with four tabs: "Settings & preferences", "System information", "Call status" (which is selected), and "Exit". Below the tabs is a header bar with the email address "nora.dollhouse@supplier.com".

Call parameters:

- Call rate: 1152
- Protocol: h323
- Encryption type: Aes-128
- Encryption status:

**VIDEO** Performance:

	Transmit	Presentation	Receive	Presentation
Protocol:	H264	Off	H264	Off
Resolution:	768x448	n/a	768x448	n/a
Frame rate:	30	n/a	26	n/a
Channel rate:	245 kbps	n/a	373 kbps	n/a
Packet loss:	0 packets		0 packets	
Packet loss (%):	0.00%		0.00%	
Jitter:	4 ms		7 ms	

**AUDIO** Performance:

	Transmit	Receive
Protocol:	AACLD	AACLD
Channel rate:	63 kbps	63 kbps
Packet loss:	0 packets	0 packets
Packet loss (%):	0.00%	0.00%
Jitter:	1 ms	0 ms

## Chapter 5

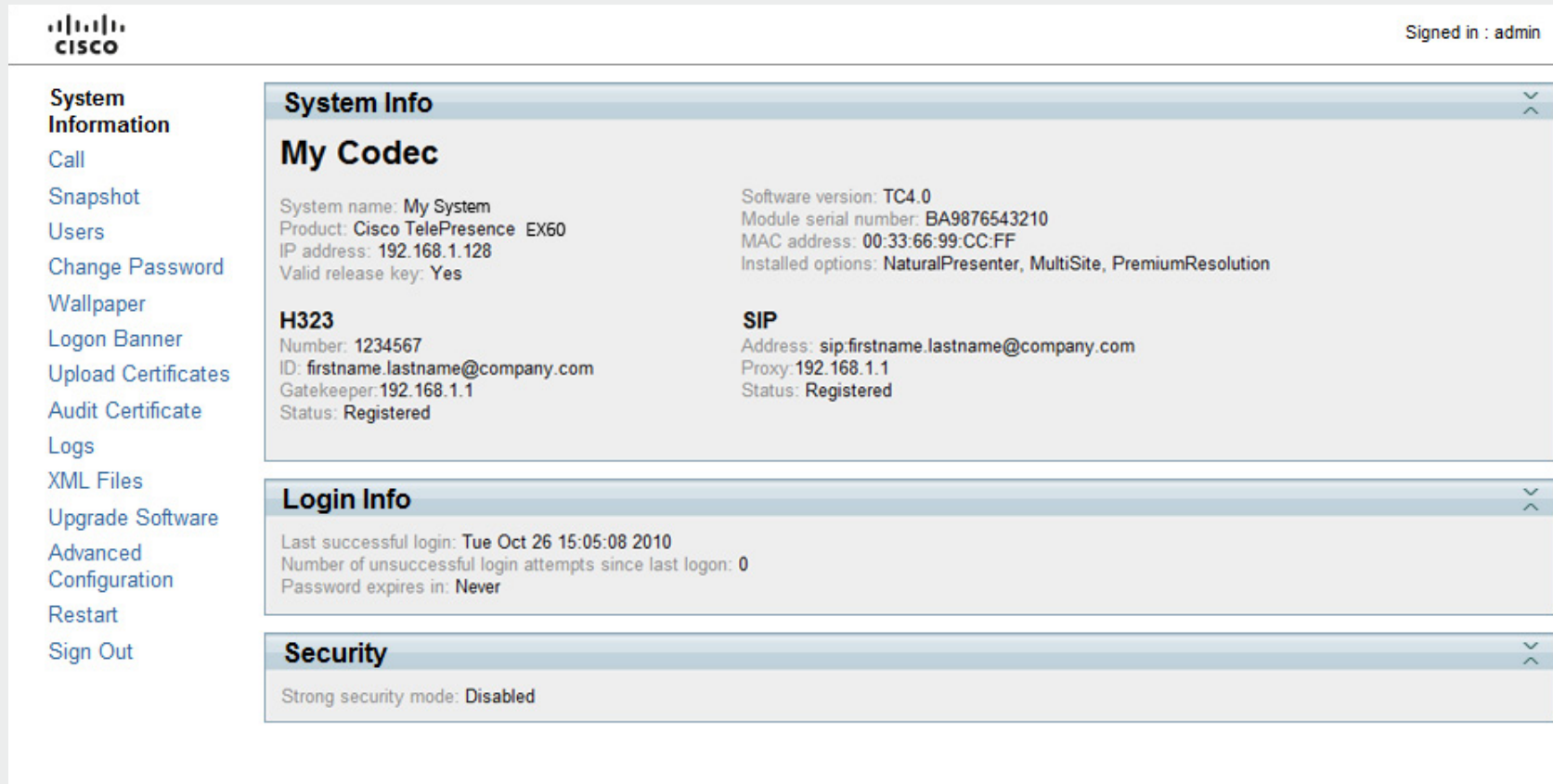
# The web interface

[www.cisco.com](http://www.cisco.com)



## Entering the web interface

Key in the IP address of your EX60 in your browser to access its web interface. A detailed description of the options available can be found in the Administrator guide for this product. The Administrator guide is available separately for download.



The screenshot shows the web interface of a Cisco Telepresence System EX60. The interface includes a navigation menu on the left and a main content area on the right. The main content area is divided into three sections: System Info, Login Info, and Security.

**System Info**

**My Codec**

System name: My System	Software version: TC4.0
Product: Cisco TelePresence EX60	Module serial number: BA9876543210
IP address: 192.168.1.128	MAC address: 00:33:66:99:CC:FF
Valid release key: Yes	Installed options: NaturalPresenter, MultiSite, PremiumResolution

**H323**

Number: 1234567	<b>SIP</b>
ID: firstname.lastname@company.com	Address: sip:firstname.lastname@company.com
Gatekeeper: 192.168.1.1	Proxy: 192.168.1.1
Status: Registered	Status: Registered

**Login Info**

Last successful login: Tue Oct 26 15:05:08 2010  
 Number of unsuccessful login attempts since last logon: 0  
 Password expires in: Never

**Security**

Strong security mode: Disabled

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