Cisco TelePresence Conductor

Getting started

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General information

About the Cisco TelePresence Conductor

The Cisco TelePresence Conductor simplifies multiparty video communications. It lies within a video communications network, working in conjunction with one or more Cisco TelePresence Video Communication Servers (VCSs) and one or more Cisco TelePresence MCUs. It allows the video network to be configured such that spontaneous conferences, rendezvous* (a personal conference with a unique conference ID) may be easily provisioned, initiated, accessed and managed.

*often referred to as "MeetMe" conferences.

Installing the Cisco TelePresence Conductor

Package contents

To avoid damage to the unit during transportation the Cisco TelePresence Conductor is delivered in a special shipping box, which should contain the following components:

- Cisco TelePresence Conductor unit
- rack ears, screws and Torx driver
- rubber feet
- cables:
    - power cables
    - Ethernet cable
    - shielded serial cable

Report any discrepancies to your Cisco representative immediately.

We recommend that the shipping box is kept in case the Cisco TelePresence Conductor needs to be returned.

Before you start

IMPORTANT: Before installing the Cisco TelePresence Conductor, you must read the safety information at www.cisco.com/go/telepresence/safety.

Preparing the installation site

Before installing the Cisco TelePresence Conductor:

- Ensure that the Cisco TelePresence Conductor is accessible and that all cables can be easily connected.
- Ensure that the power outlet is near to the Cisco TelePresence Conductor and is easily accessible.
- To ensure adequate ventilation, leave a space of at least 10cm (4 inches) behind the unit's rear panel and 10cm (4 inches) in front of the front panel.
- The room in which you install the Cisco TelePresence Conductor should have an ambient temperature between 0ºC and 35ºC (32ºF and 95ºF) and between 10% and 90% non-condensing relative humidity.
- Use a grounded AC power outlet for the Cisco TelePresence Conductor.

Preparing the unit

1. Unpack the unit.
2. Mount the rack ears (using a Torx T10 driver) or rubber feet.
3. Turn the unit back on its feet or mount it in the rack.

> If this product is mounted in a rack you are recommended to use additional support accessories such as rack side support angles (rack angle brackets) or rack shelves, due to the unit's weight and depth. Ensure that units in the rack do not touch each other. Contact your rack supplier to request the accessories best suited for your rack.

Connecting the cables

1. Connect the power cable to the back of the Cisco TelePresence Conductor (see Figure 1).
2. Connect the Ethernet LAN cable from the LAN1 port on the front of the Cisco TelePresence Conductor to your network (see Figure 2).

Powering on the Cisco TelePresence Conductor

1. Turn on the power switch on the back right of the unit (adjacent to the power cable). The system will power up. If the unit does not start after 3 seconds, press the soft power button.
   Wait until:
   - the green PWR LED on the front of the unit is a steady green color (it may flash briefly during power up)
   - the red ALM LED on the front of the unit has gone out
   - the IP address is showing in the display panel on the front of the unit

> If the red ALM LED flashes rapidly it indicates a hardware fault. Contact your local Cisco representative. The yellow HDD LED indicates disk activity and may flicker during normal operation, more so on a busy system.
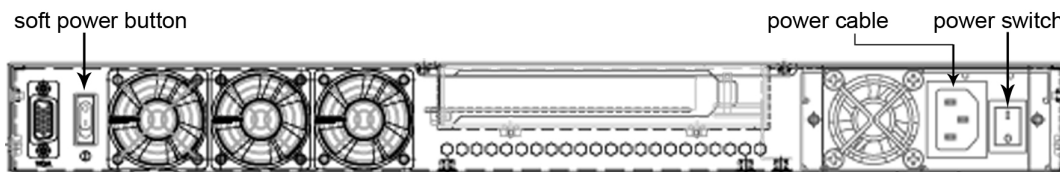

Figure 1: Cisco TelePresence Conductor back view

Initial configuration

Before you can use the Cisco TelePresence Conductor, you must configure its IPv4 address, subnet mask and default gateway. Consult your network administrator for information on which addresses to use. Note that the Cisco TelePresence Conductor must use a static IP address.

This initial configuration can be done:

- by connecting from a PC to the Cisco TelePresence Conductor using a serial cable. This is the recommended process, and is described in the following section
- by using the buttons on the front panel (see "Configuration using the front panel" on page 8)
- if your network is set up to allow it, by connecting using a web browser to the default IP address of 192.168.0.100 (see "Using the web interface" on page 9)
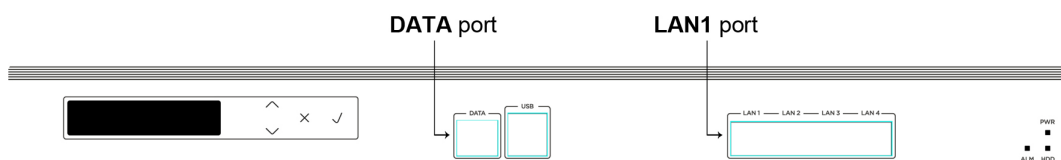
DATA port   **LAN1** port

Figure 2: Cisco TelePresence Conductor front view

Configuration using a serial cable

To set the initial configuration using a PC connected to the Cisco TelePresence Conductor **DATA** port via a serial cable:

1. Connect the Ethernet LAN cable from the **LAN1** port on the front of the unit to your network.
2. Connect the supplied serial cable from the **DATA** port on the front of the unit to the serial port on a PC.
3. Start a terminal emulator program on the PC and configure it to use the PC's serial port as follows:
   - baud rate: 115200 bits per second
   - data bits: 8
   - parity: none
   - stop bits: 1
   - flow control (hardware and software): none

   Do not leave a terminal emulator session open after it is no longer in use. An open session may cause issues during a system restart.

4. Turn on the power switch on the back right of the unit (adjacent to the power cable). The system will power up. If the unit does not start after 3 seconds, press the soft power button on the back left of the unit.
5. Wait until:
   - the green PWR LED on the front of the unit is a steady green color (it may flash briefly during power up)
   - the red ALM LED on the front of the unit has gone out
   - the default IP address (192.168.0.100) is showing in the display panel on the front of the unit

   The terminal emulator program on the PC will display the Cisco TelePresence Conductor's startup information. After approximately four minutes you will get the login prompt (if the Cisco TelePresence Conductor was already on when you connected the serial cable, press **Enter** to get the login prompt):

```
cisco login:
```

6. Enter the username **admin** and press **Enter**.
    You will get the password prompt:

    ```
    Password:
    ```

7. Enter the default password of **TANDBERG** and press **Enter**.
    You will get the install wizard prompt:

    ```
    Run install wizard [n]:
    ```

8. Type **y** and press **Enter**.
9. Follow the prompts given by the install wizard to specify the following:
    - the password you want to use for your admin account

    For security reasons you are advised to change the password from the default of
    TANDBERG. The Cisco TelePresence Conductor's conference functionality will be
    disabled until this password has been changed.

    - whether you want to use IPv4, IPv6 or Both — choose IPv4
    - the LAN 1 IP address of the Cisco TelePresence Conductor
    - the LAN 1 IPv4 subnet mask of the Cisco TelePresence Conductor
    - the IP default gateway of the Cisco TelePresence Conductor
    - the Ethernet speed

    Use the default value of **Auto** unless the switch to which you are connecting is unable to
    auto-negotiate.

    - whether you want to use SSH to administer the Cisco TelePresence Conductor

    After the wizard is finished the following message will appear, and you will be prompted to log in
    again:

    ```
    Setting other settings...
    OK. The system must be restarted for new
    settings to take effect..
    ```

10. Log in with the username **root** and the default password of **TANDBERG**.
11. You will again get the install wizard prompt; this time select **n** and press **Enter** in order to skip the
    wizard.
    You will see a message indicating the time of last login. You will also see a list of alarms that have
    been raised. The alarms list is expected behavior; they will be cleared later when the system is
    correctly configured.

12. You must now restart the system in order for the new settings take effect. To do this, type the
    command:

    restart

13. Disconnect the serial cable and store it in a safe place.

After it has rebooted, the Cisco TelePresence Conductor is ready to use. For security reasons you are
advised to change the password for the default admin account (if you have not already done so) and
the root account from the default of TANDBERG. See the sections "Changing the admin account
password" on page 9 and "Changing the root account password" on page 9 for details.

Configuration using the front panel

The LCD panel and buttons at the front of the Cisco TelePresence Conductor allow you to configure and check the IP settings as well as to reboot the system (see Figure 3). You are not recommended to perform the initial configuration using the front panel, but you may need to use this method if you do not have access to a PC and serial cable.
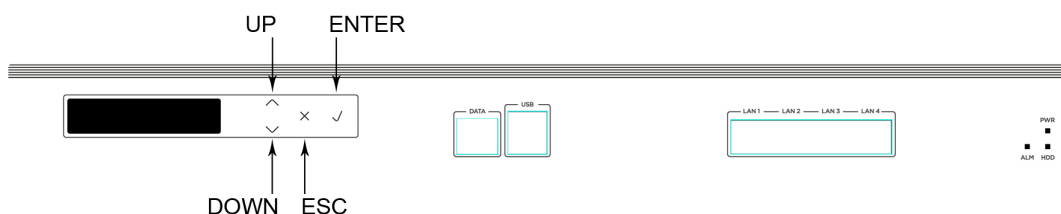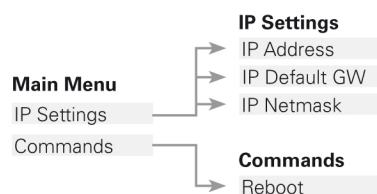
UP   ENTER

DOWN   ESC

Figure 3: Cisco TelePresence Conductor LCD panel

By default, during normal operation the front panel of the TelePresence Conductor unit shows Cisco TelePresence Conductor, the **Local host name** (if configured), the LAN 1 IPv4 address and any alarms that may apply to the unit.

To control the display of status items:

- **ENTER** stops the display from automatically rotating through the status items. This is useful if you need to review all of the warning messages. Press **ENTER** again to resume the rotating display.
- **UP/DOWN** displays the previous or next status item.

To access the front panel menu options, press **ESC**. The menu options are as follows:

Main Menu
IP Settings
Commands

IP Settings
IP Address
IP Default GW
IP Netmask

Commands
Reboot

- **UP/DOWN** navigates to the next menu or submenu item.
- **ENTER** selects a menu or submenu item.
- When you have selected an IP setting from the menu:
  - **UP/DOWN** increases or decreases the value of the currently selected digit.
  - **ENTER** moves the cursor on to the next digit and saves your changes when you move off the final digit.
  - **ESC** cancels any changes; returns to the menu.
- When you are on the **Commands** submenu:
  - **ENTER** performs the command.
  - **ESC** returns to the main menu.
- To leave the menu options and return to the rotating display, press **ESC**.

Using the Cisco TelePresence Conductor

After you have set the initial configuration of the Cisco TelePresence Conductor, the system is ready to use. You can continue to use the serial connection to access and manage the Cisco TelePresence Conductor, or you can connect to the system remotely over IP using either or both:

- HTTPS (see "Using the web interface" below)
- a command line interface via SSH

For security reasons, you should change the passwords for the admin account and the root account from the default of TANDBERG as soon as initial configuration of the Cisco TelePresence Conductor has been completed. The Cisco TelePresence Conductor's conference functionality will be disabled until this password has been changed.

Changing the admin account password

To change the password for the admin account using the web interface:

1. Navigate to **Users > Administrator accounts**.
   You will be taken to the **Administrator accounts** page.
2. Click on **View/Edit** for the admin name.
3. In the **Password** and **Confirm password** fields, enter the new password, and click **Save**.
   The **Password strength** box will indicate how secure your chosen password is.

Changing the root account password

To change the password for the root account:

1. Using the CLI, log in as **root**.
2. Type **passwd**.
   You will be asked for the new password.
3. Enter the new password and when prompted, retype the password.
4. Type **exit** to log out of the root account.

Other recommended configuration

You are now recommended to configure the following:

- The system name of the Cisco TelePresence Conductor. This is used by the Cisco TelePresence Management Suite (Cisco TMS) to identify the system. This can be set from the **DNS** page on the web interface (navigate to **System > DNS**).
- The DNS server address(es), if Fully Qualified Domain Names (FQDNs) are to be used. This can be set from the **DNS** page on the web interface (navigate to **System > DNS**).

Refer to the Cisco TelePresence Conductor Administrator Guide, deployment guides and release notes (available for download from www.cisco.com) or the online help for complete information on configuring these and all other options available on your Cisco TelePresence Conductor.

Using the web interface

To use the web interface:

1. Open a browser window and in the address line type either:
   - the IP address of the Cisco TelePresence Conductor
   - the FQDN of the Cisco TelePresence Conductor
   The **Login** page will appear.

2. Enter a valid administrator username and password and select **Login**.
   You will be presented with the **Overview** page.

Refer to the online help or the Cisco TelePresence Conductor Administrator Guide for further information on the configuration options available for each page of the Cisco TelePresence Conductor web interface.

Documentation and training

All Cisco TelePresence Conductor documentation including the Cisco TelePresence Conductor Administrator Guide, Cisco TelePresence Conductor deployment guides and release notes, plus supporting documentation for other products, is available in PDF format from the Support area of our web site at www.cisco.com. You can download and print these documents locally, if required. Our systems also have intuitive on-page help, which provides a range of useful features and tips.

Training is available on all our products online and at our training locations. For more information on all the training we provide and where our training offices are located, visit www.telepresenceu.com.

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