



Installing the Cisco Unified Videoconferencing 3545 MCU

The Cisco Unified Videoconferencing 3545 MCU works together with a Cisco Unified Videoconferencing 3545 EMP Enhanced Media Processor (EMP) module to perform audio and videoconferencing. The Cisco Unified Videoconferencing 3545 MCU is responsible for signaling and audio. The EMP is responsible for video. The Cisco Unified Videoconferencing 3545 MCU and EMP modules connect via the Ethernet.

Each Cisco Unified Videoconferencing 3545 MCU may be registered to up to three EMP modules on the same chassis.

For correct operation, the EMP card must register with the MCU.

This section describes the following topics:

- [Physical Description of the Cisco Unified Videoconferencing 3545 MCU and EMP Modules, page 2-2](#)
- [Preparing to Install the 3545 MCU, page 2-3](#)
- [Verifying the Package Contents of the 3545 MCU, page 2-4](#)
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Physical Description of the Cisco Unified Videoconferencing 3545 MCU and EMP Modules

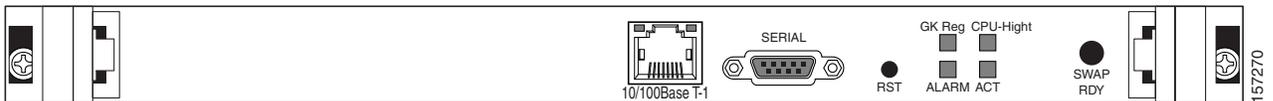
This section provides a physical description of the Cisco Unified Videoconferencing 3545 MCU and Cisco Unified Videoconferencing 3545 EMP modules.

Physical Description of the Cisco Unified Videoconferencing 3545 MCU Module

The Cisco Unified Videoconferencing 3545 MCU module has a 10/100BaseT Ethernet port on the front panel that uses an RJ-45 connector to connect to the network. There is an asynchronous, 9-pin serial port that you can use with a hyperterminal program to configure and monitor the module.

Figure 2-1 shows the front panel of the Cisco Unified Videoconferencing 3545 MCU module. Table 2-1 describes the components of the front panel.

Figure 2-1 Cisco Unified Videoconferencing 3545 MCU Front Panel



Physical Description of the Cisco Unified Videoconferencing 3545 EMP Module

Figure 2-2 shows the front panel of the Cisco Unified Videoconferencing 3545 EMP board. Table 2-1 describes the components of the front panel.

Figure 2-2 Cisco Unified Videoconferencing 3545 EMP Front Panel

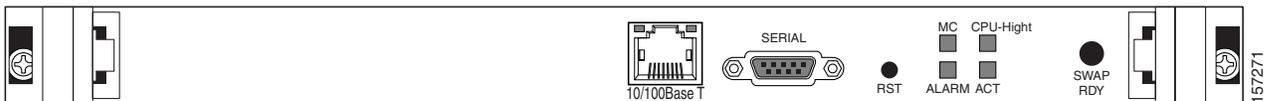


Table 2-1 Front Panel Components

Component	Description
10/100 BaseT-1 connector	An RJ-45 connector that provides the primary Ethernet connection for the IP network port.
SERIAL connector	A DB-9 connector that allows you to connect a PC terminal for local configuration.
RST button	Allows you to reset the board manually.

Table 2-1 Front Panel Components (continued)

Component	Description
GK Reg LED (on the Cisco Unified Videoconferencing 3545 MCU)	Lights green when the MCU is registered with a gatekeeper. Lights green when the EMP is registered with the MCU.
MC LED (on the Cisco Unified Videoconferencing 3545 EMP)	
CPU High LED	Lights green when more than 50% of the MCU/EMP resources are in use.
ACT LED	Lights green to indicate that there is at least one currently active conference on the MCU/EMP.
ALARM LED	Lights green to indicate that an error has occurred and the MCU/EMP requires resetting.
10/100 BaseT-1 LEDs	The top part of the 10/100 BaseT-1 connector contains two LED indicators. The left-hand LED lights green when the local IP network link is active. The right-hand LED lights green if the connection speed is 100 Mbps, and is off when the connection speed is 10 Mbps.
SWAP RDY LED	Hot Swap indication. Lights blue when the latches of a board are unlocked and it is safe to remove the board from the chassis. Goes off when the board is completely detached.

Preparing to Install the 3545 MCU

This section describes the requirements for installing the Cisco Unified Videoconferencing 3545 MCU and the Cisco Unified Videoconferencing 3545 EMP in a Cisco Unified Videoconferencing 3545 chassis. For more information, see the Platform Guide for Cisco IPVC 3644 Chassis.



Warning

During this procedure, wear grounding wrist straps to avoid ESD damage to the card. Do not directly touch the backplane with your hand or any metal tool, or you could shock yourself.

The requirements are as follows:

- Cisco Unified Videoconferencing 3545 chassis
- Proper clearance at the sides of the unit to allow adequate ventilation, and at least 20 cm clearance at the back of the chassis to allow access to the boards and cable connections
- A PC with a serial port and terminal emulation software to assign the MCU and EMP an IP address
- Two dedicated IP addresses—one each for the MCU and EMP
- The IP address of the router that the MCU and EMP will use to communicate across the network
- For an H.323 environment, IP address of the H.323 gatekeeper with which you want the MCU to register

- For a Skinny Client Control Protocol (SCCP) environment, the IP address of the Trivial File Transfer Protocol (TFTP) server or Cisco Unified CallManager from which you want the MCU and EMP to get configuration information
- Available IP network ports on the switch for the MCU and EMP
- A grounded AC power outlet
- A 10BaseT or 100BaseT LAN cable
- Ambient room temperature range of 32° to 122°F (0° to 50°C)
- Non-condensing relative humidity range of 5% to 85%

Verifying the Package Contents of the 3545 MCU

Inspect the contents of the box for shipping damage. Report any damage or missing items to your Cisco representative. [Table 2-2](#) lists the package contents for the MCU and EMP.

Table 2-2 Package Contents with Cisco Unified Videoconferencing 3545 MCU and Cisco Unified Videoconferencing 3545 EMP

Product	Contents
Cisco Unified Videoconferencing 3545 chassis with MCU and EMP	<ul style="list-style-type: none"> • Cisco Unified Videoconferencing 3545 MCU module • Cisco Unified Videoconferencing 3545 EMP module • <i>Guide to Cisco Conferencing Documentation</i> • Regulatory Compliance and Safety Information for Cisco Unified Videoconferencing 3500 Products • Cisco Unified Videoconferencing Software CD-ROM • Cisco Information Package

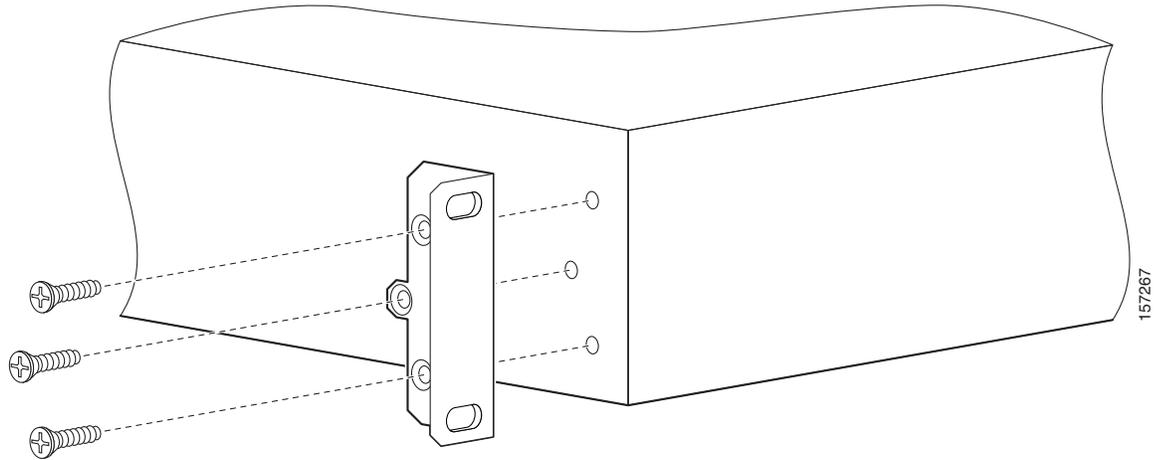
Mounting the Cisco Unified Videoconferencing 3545 Chassis in a 19-inch Rack

You can optionally mount the Cisco Unified Videoconferencing 3545 chassis in a standard 19-inch rack. Two mounting brackets and a set of screws are included in the Cisco Unified Videoconferencing 3545 chassis shipping box.

Procedure

- Step 1** Disconnect all cables including the power cables.
- Step 2** Place the Cisco Unified Videoconferencing 3545 chassis right-side up on a hard flat surface, with the front panel facing you.
- Step 3** Position a mounting bracket over the mounting holes on each side of the Cisco Unified Videoconferencing 3545 chassis, as shown in [Figure 2-3](#).
- Step 4** Pass the screws through the brackets and tighten them into the screw holes on each side of the Cisco Unified Videoconferencing 3545 chassis using a suitable screwdriver.

Figure 2-3 Fitting a Bracket for Rack Mounting



- Step 5** Insert the Cisco Unified Videoconferencing 3545 chassis into the 19-inch rack.
- Step 6** Fasten the brackets to the side rails of the rack.
- Step 7** Make sure that the air vents at the sides of the Cisco Unified Videoconferencing 3545 chassis are not blocked.

Installing the 3545 MCU and EMP

This section describes how to insert the MCU into the Cisco Unified Videoconferencing 3545 chassis.

Before You Begin

Note the following:

- The Cisco Unified Videoconferencing 3545 chassis has four slots. You can install the MCU and the EMP in any of the slots at the front of the chassis.
- Insert the MCU in the top slot at the front of the Cisco Unified Videoconferencing 3545 chassis to view status and identification information via the System web user interface.


Warning

During this procedure, wear grounding wrist straps to avoid ESD damage to the card. Do not directly touch the backplane with your hand or any metal tool, or you could shock yourself.


Warning

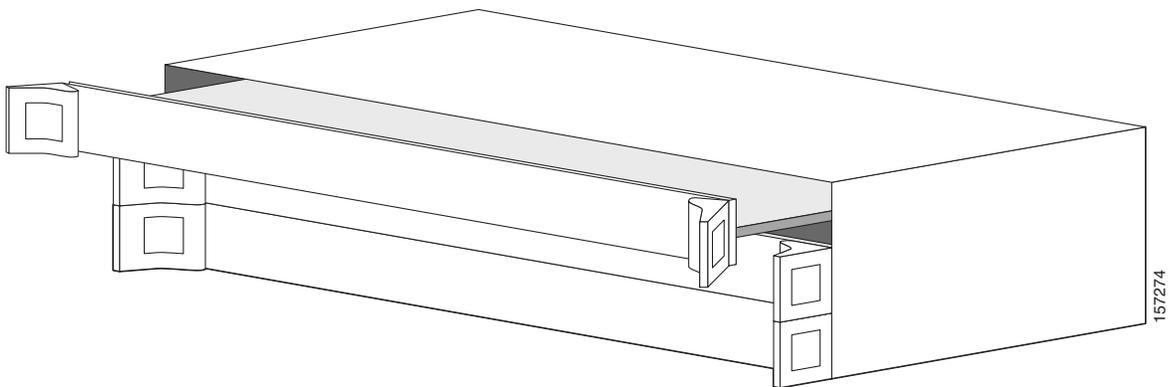
Only trained and qualified personnel should be allowed to install, replace, or service this equipment.


Warning

Before working on a system that has an on/off switch, turn OFF the power and unplug the power cord.

Procedure

-
- Step 1** On the front of the chassis, loosen the screws of the blank panel covering the slot into which the MCU or the EMP module is to be installed.
- Step 2** Remove the blank panel.
- Step 3** Remove the new MCU or the EMP module from the antistatic bag.
- Step 4** Press the red buttons and open the handles of the MCU or the EMP module.
- Step 5** Align the edges of the MCU or the EMP module with the chassis guide rails.
- Step 6** Slide the MCU or the EMP module into the chassis until it stops (see [Figure 2-4](#)).

Figure 2-4 Inserting the MCU or the EMP in the Cisco Unified Videoconferencing 3545 Chassis

- Step 7** Use even pressure to push the module further into the slot.



Caution Do not force the connection. Forcing the connection can bend or damage the pins in the connector inside the chassis.



Note If you are installing the MCU or the EMP module and the power to the chassis is on, the SWAP RDY LED on the module front panel turns blue when you slide the module into the chassis as far as it will go. This means that you can secure the module safely. The LED turns off when the handles are closed.

- Step 8** Snap the handles forward to secure the MCU or the EMP module in the slot.
- Step 9** Secure the MCU or the EMP module screws.



Caution Blank faceplates and cover panels serve three important functions: they prevent exposure to hazardous voltages and currents inside the chassis; they contain electromagnetic interference (EMI) that might disrupt other equipment; and they direct the flow of cooling air through the chassis. Do not operate the system unless all cards, faceplates, front covers and rear covers are in place.

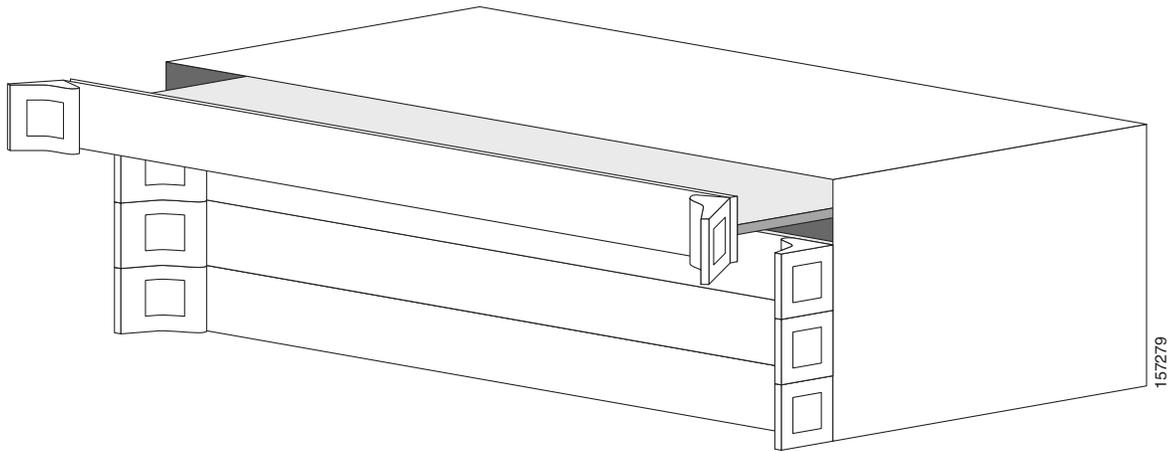
Removing the 3545 MCU and EMP

This section describes how to remove the MCU or the EMP from the Cisco Unified Videoconferencing 3545 chassis.

Procedure

-
- Step 1** Loosen the MCU or the EMP module screws.
 - Step 2** Press the red buttons and open the handles of the MCU or the EMP module (see [Figure 2-5](#)).

Figure 2-5 Removing a Module from the Cisco Unified Videoconferencing 3545 Chassis



- Step 3** Wait for the blue SWAP RDY LED to light up. The SWAP RDY LED indicates that it is safe to remove the module.



Note It may take up to one minute for the LED to light up while the Windows operating system is shutting down.

The light goes out when the board is completely detached from the backplane.

- Step 4** Remove the module completely.
- Step 5** Insert a blank cover panel provided by Cisco.
- Step 6** Secure the blank cover panel screws.



Caution Blank faceplates and cover panels serve three important functions: they prevent exposure to hazardous voltages and currents inside the chassis; they contain electromagnetic interference (EMI) that might disrupt other equipment; and they direct the flow of cooling air through the chassis. Do not operate the system unless all cards, faceplates, front covers, and rear covers are in place.

Initial 3545 MCU Configuration

Initial monitoring and administration of the Cisco Unified Videoconferencing 3545 MCU are performed from a remote PC via a serial connection. This allows you to access the boot configuration menu of the MCU. At power-up, the MCU goes through the following boot phases:

- Auto-boot—The embedded operating system initializes and displays basic information.
- Configuration menu—A six-second countdown allows you to enter the configuration menu.
- Initialization—The MCU completes its boot sequence and is ready for operation.


Note

You can perform serial port configuration of the MCU only at startup, during a short period indicated by a six-second countdown. Once the initialization phase is complete, the only way you can access the configuration menu is by restarting the MCU.

Connecting to a PC

This section describes how to use the serial port connection to configure the MCU with an IP address.

Procedure

-
- Step 1** Locate the terminal cable shipped with the MCU.
- Step 2** Connect the end labeled PC to the serial port on the computer.
- Step 3** Connect the end labeled Unit to the serial port connector on the MCU front panel.


Note

The PC terminal should have an installed terminal emulation application, such as HyperTerminal.

Setting the IP Address

This section describes how to use the serial port to configure the unit with an IP address and other address information.

The serial port on the MCU front panel is used to assign a new IP address to your MCU. You can assign the IP address before or after you connect the MCU to the network.

Before You Begin

Gather the items listed in [Table 2-3](#) to assign an IP address to the MCU.

Table 2-3 Requirements for Setting the IP Address

Requirements	Notes
Dedicated IP address for the MCU	
IP address of the default router the MCU uses to communicate over the network	

Table 2-3 Requirements for Setting the IP Address

Requirements	Notes
Subnet mask for the MCU if applicable	
Domain Name Server and domain name for MCU if applicable	
PC with available serial port and terminal emulator software installed	
RS-232 terminal cable (shipped with the unit)	

Procedure

- Step 1** Connect the RS-232 terminal cable to the PC terminal.
- Step 2** Connect the power cable.
- Step 3** Start the terminal emulation application on the PC.
- Step 4** Set the communication settings in the terminal emulation application on the PC as follows:
- Baud rate: 9600
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow control: None
- Step 5** Turn on the power to the MCU.
- A log of the auto-boot events appears on the computer.
- Step 6** When the message “Press any key to start configuration” appears on the screen, press any key within six seconds.
- The network configuration Main menu appears as follows:
- ```

Press any key to start configuration...
Main menu
N: Configure default network port values
P: Change the configuration software password
S: Configure network security level
A: Advanced configuration menu
Q: Quit

Select:

```
- Step 7** At the prompt, enter **N** to configure default network port values and press **Enter**.
- Step 8** At the Enter IP address for default interface prompt, enter the IP address you want to assign to the MCU and press **Enter**.
-  **Caution** Do not use leading zeros in the IP address.
- Step 9** At the Enter Default Router IP Address prompt, enter the IP address of the router associated with the segment in which the unit will be installed and press **Enter**.



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**Caution** Do not use leading zeros in the IP address.

---

- Step 10** At the Enter IP Mask <HEX> for default device prompt, enter the subnet mask as follows:
- Convert the subnet mask IP address to hexadecimal notation, enter the hexadecimal number at the prompt, and press **Enter**.

For example, for the subnet mask 255.255.255.0 the hexadecimal value you enter is FFFFFFF0.



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**Note** You can use the desktop calculator on your computer to convert the subnet mask ID to hexadecimal notation.

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- If a subnet mask is not used, press **Enter**.

After you enter the subnet mask parameter, the unit updates the boot line parameter and reboots.

- Step 11** At the Enter Preferred DNS Address for default Interface prompt, enter the IP address of the primary DNS to which you want this MCU to register and press **Enter**.
- Step 12** At the Enter Alternate DNS Address for default Interface prompt, enter the IP address of the secondary DNS to which you want this MCU to register and press **Enter**.
- Step 13** At the Enter DNS suffix for default Interface prompt, enter the alias to which you want the DNS to associate this MCU and press **Enter**.

Allow the unit to complete the reboot process. A new emulator session begins.

- Step 14** At the Network Configuration menu, do one of the following:
- Enter the letter for the set of parameters that you want to configure.
  - Enter **Q** to save your changes and allow the device to complete the boot process.



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**Caution** Configuration of any of the parameters other than <N> to configure default network port values may alter the function of the device and should not be performed by an unauthorized person.

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## Setting Ethernet Speed and Duplex Parameters

You can use the serial port to set the Ethernet speed and duplex parameters that you want the MCU to use.



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**Note** We recommend that you manually set these parameters on the MCU and switch to Ethernet speed 100 Mbps and full duplex.

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### Procedure

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- Step 1** Access the MCU through the serial port and start a terminal emulator session.



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**Note** If the MCU is already running, you need to reboot or restart the device.

---

- Step 2** When the message “Press any key to start configuration” appears on the screen, press any key within six seconds.
- The network configuration Main menu appears.
- Step 3** At the prompt, enter **A** to display the Advanced Configuration menu and press **Enter**.
- The Advanced Configuration menu appears.
- Step 4** At the prompt, enter **3** to select “Change LAN port Settings” and press **Enter**.
- Step 5** At the prompt, enter the number or letter for one of the following:
- **1** - 10Mbps Half Duplex
  - **2** - 100Mbps half Duplex
  - **3** - 10Mbps Full Duplex
  - **4** - 100Mbps Full Duplex
  - **5** - Auto
  - **Q** - Quit
- Enter this value to retain the current setting. The default setting is Auto.
- Step 6** Press **Enter**.
- The network configuration Main menu appears.
- Step 7** At the Network Configuration menu, do one of the following:
- Enter the letter for the set of parameters that you want to configure.
  - Enter **Q** to save your changes and allow the device to complete the boot process.
- 

## Setting a TFTP Server

You can use the Cisco Unified Videoconferencing 3545 MCU together with the Cisco Unified Videoconferencing 3545 EMP as a video conference bridge for Cisco Unified CallManager version 4.x and later. To set up the Cisco Unified Videoconferencing 3545 MCU to serve as a conference bridge, you must identify the TFTP server from which the Cisco Unified Videoconferencing 3545 MCU gets configuration information from the Cisco Unified CallManager. You can enter that information using the serial port connection or the Administrator interface.

### Procedure

- 
- Step 1** Access the MCU through the serial port and start a terminal emulator session.



**Note** If the MCU is already running, you need to reboot or restart the device.

---

- Step 2** When the message “Press any key to start configuration” appears on the screen, press any key within six seconds.
- The Network Configuration menu appears.
- Step 3** At the prompt, enter **T** and press the **Enter** key to select the “Configure TFTP server list” option.

- Step 4** At the TFTP Server # 0 prompt, enter the IP address of the first TFTP server you want the MCU to use and press **Enter**.
- Step 5** At the Would you like to add a new TFTP server [Y/N] prompt, do one of the following:
- Press **Y** and enter to identify another TFTP server that you want the MCU to use.
  - Press **N** and **Enter** to return to the Network Configuration menu.
- Step 6** At the Network Configuration menu, do one of the following:
- Enter the letter for the set of parameters that you want to configure.
  - Enter **Q** to save your changes and allow the device to complete the boot process.
- 

This information appears in the SCCP Protocol Configuration dialog box in the Administrator interface. In this dialog box, you can configure the MCU to support Cisco Unified CallManager as a SCCP conference bridge

## Changing the Global User Name and Password

You can change the global user name and password that the MCU uses. You use this user name and password to access the configuration web page for the MCU, and is required for the following tasks:

- Starting a Telnet session to monitor the MCU
- Upgrading the MCU software
- Uploading Interactive Voice Response (IVR) messages to MCU configuration memory

The default global user name is *admin*. The default password is <null>.

### Procedure

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- Step 1** Start a terminal emulator session as described in the [“Setting the IP Address” section on page 2-8](#).
- Step 2** At the prompt, enter **P**.
- Step 3** At the Enter User name prompt, enter the name that you want to use as the global user name and press **Enter**.
- Step 4** At the Password prompt, enter the password that you want to use and press **Enter**.  
The network configuration Main menu appears.
- Step 5** At the network configuration Main menu, do one of the following:
- Enter the letter for the set of parameters that you want to configure.
  - Enter **Q** to save your changes and allow the device to complete the boot process.
-

## Connecting the Cisco Unified Videoconferencing 3545 MCU to the LAN

This section describes how to connect the MCU to the Local Area Network (LAN).

### Procedure

- 
- |               |                                                                                                                                                                               |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step 1</b> | Connect the supplied LAN cable from your network switch to the 10/100BaseT Ethernet port on the front panel of the MCU unit. The 10/100BaseT port accepts an RJ-45 connector. |
| <b>Step 2</b> | Turn on the power to the MCU unit.                                                                                                                                            |
- 

## Upgrading Cisco Unified Videoconferencing 3545 MCU Software

You can perform software upgrades by using the Cisco Upgrade Utility to upload files via a network or modem connection to the MCU. For more information, see [Chapter 3, “Using the Cisco Software Upgrade Utility”](#).

## Initial 3545 EMP Configuration

When you are working with a Cisco Unified Videoconferencing 3545 EMP, you must also perform network configuration of this module.

Initial monitoring and administration of the EMP are performed from a remote PC using a terminal emulation application, such as HyperTerminal. To make the serial connection, connect a PC terminal to the front panel serial port of the EMP board as described in the [“Connecting to a PC” section on page 2-8](#). The serial configuration utility runs as a target configuration service. You can use the serial configuration utility to:

- Configure default network port values.
- Modify the configuration software password.
- Modify the MCU IP address.
- Modify advanced configuration settings such as the web server port and LAN port, and to restore the factory configuration.



**Warning**

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**To enable the EMP to function properly, you must configure the EMP with a different IP address to your MCU.**

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## Accessing the Cisco Unified Videoconferencing 3545 EMP Main Menu

You access the EMP Main configuration menu in the same way as you access the MCU network configuration Main menu as described in the [“Procedure” section on page 2-9](#).

The EMP Main configuration menu appears as follows:

```
Main menu
N: Configure default network port values
P: Change the configuration software password
```

```

S: Configure network security level
M: Change MCU ip address
A: Advanced configuration menu
Q: Quit

```

Select:

## Setting the IP Address

This section describes how to use the serial port to configure the unit with an IP address and other address information.

The serial port on the EMP front panel is used to assign a new EMP an IP address. You can assign the IP address before or after you connect the hardware to the network.

### Procedure

---

**Step 1** At the prompt, enter **N** to configure default network port values and press **Enter**.

The default network properties screen appears as follows:

```

Enter IP Address for default Interface
Without leading zeros <172.20.35.110:ffff0000>
Enter Default Router IP Address for default Interface
Without leading zeros <current default Gateway IP address>:

```

**Step 2** At the Enter IP address for default interface prompt, enter the IP address you want to assign to the EMP followed by the subnet mask, in the format <IP address:subnet mask> and press **Enter**.




---

**Note** You must enter the subnet mask in the hexadecimal format.

---

**Step 3** At the Enter Default Router IP Address prompt, enter the IP address of the default Gateway that you want the EMP to use and press **Enter**.

Allow the unit to complete the reboot process. A new emulator session begins.

**Step 4** At the Main menu, do one of the following:

- Enter the letter for the set of parameters that you want to configure.
- Enter **Q** to save your changes and allow the device to complete the boot process.



### Caution

---

Configuration of any of the parameters other than <N> to configure default network port values may alter the function of the device and should not be performed by an unauthorized person.

---

## Changing the Configuration Software Password

You can use the serial port to change the configuration software password.

### Procedure

- 
- Step 1** At the prompt, enter **P** to change the configuration software password and press **Enter**.  
The user profile screen displays as follows:
- ```
Enter user name:  
Enter new password:
```
- Step 2** At the Enter user name prompt, enter the new user name and press **Enter**.
- Step 3** At the Enter user password prompt, enter the new password and press any key to return to the EMP Main menu.
-

Changing the Security Level

You can use the serial port to change the security level. Security levels are as follows:

- 0 (low)—Allows SNMP, Telnet, HTTP, FTP, and ICMP to access the MCU.
- 1 (medium)—Allows access to the MCU only through SNMP, HTTP and ICMP.
- 2 (high)—Allows only HTTP to access the MCU.

Procedure

-
- Step 1** At the prompt, enter **S** to configure the network security level and press **Enter**.
The security level screen displays as follows:
- ```
The current security level is [0 low].
Enter a new security level (0-low, 1-medium, 2-high):
```
- Step 2** Enter the new security level required and press **Enter**.  
The updated security level screen displays as follows:
- ```
The current security level is [0 low].  
Enter a new security level (0-low, 1-medium, 2-high):  
2  
Board security level changing to [2 high]:  
Set icmpRequestBlock to 2  
The new security level is [2 high].
```
- Step 3** The EMP Main menu displays.
-

Pointing the EMP to the Controlling MCU

You can use the serial port to point the EMP to the IP address of the controlling MCU.

Procedure

Step 1 At the prompt, enter **M** to change the MCU IP address and press **Enter**.

The MCU IP address screen displays as follows:

```
Enter MCU ip address
Without leading zeros <current IP address>:
```

Step 2 Enter the IP address of the MCU and press any key to return to the EMP Main menu.

Changing Advanced Configuration Settings

You can use the serial port to change the following advanced configuration settings:

- Web server port (for future use)
- Restore factory configuration (for future use)
- LAN port settings
- Disable DSP reset

Procedure

Step 1 At the prompt, enter **A** to access the **Advanced Configuration** menu.

The Advanced Configuration menu displays as follows:

```
Advanced configuration menu
Q: Quit
1: Configure web server port
2: Restore factory configuration
3: Change Lan port Settings
4: Disable DSP reset
```

```
Select:
```

Step 2 At the prompt, enter **1** to configure the web server port.

The current web port server setting displays.

Step 3 At the prompt, enter **2** to restore the factory configuration settings.

You are asked to confirm your choice as follows:

```
Select: 2
Are you sure you want to restore factory configuration? [y, n]:
```

Step 4 Enter **y** or **n**.

Step 5 At the prompt, enter **3** to change Ethernet speed and duplex parameters.

The network interface card settings screen appears as follows:

```
Choose : 1 - 10Mbps Half Duplex
         : 2 - 100Mbps Half Duplex
         : 3 - 10Mbps Full Duplex
         : 4 - 100Mbps Full Duplex
```

```

: 5 - Auto
other - Quit
:

```

Step 6 Enter either a number between 0 and 5 inclusive, representing the required option.

Step 7 Press any other key to quit without changing the network working mode.

Step 8 At the prompt, enter **4** to disable the DSP reset facility.



Note After options Q and 1-3, press any key to return to the EMP Main menu. After option 4, the EMP Main menu displays automatically.



Caution Only qualified technical personnel should modify the DSP reset function settings.

Saving Network Configuration Settings

Modified network configuration settings are automatically saved when you exit the EMP Main menu.

Procedure

Step 1 Ensure you have completed your configuration.

Step 2 At the prompt, enter **Q** to exit the video processing module Main menu.

The video processing module Main menu closes and your machine will automatically reboot.

Connecting the EMP to the LAN

This section describes how to connect the EMP to the Local Area Network (LAN).

Procedure

Step 1 Connect the supplied LAN cable from your network switch to the 10/100BaseT Ethernet port on the front panel of the EMP unit. The 10/100BaseT port accepts an RJ-45 connector.

Step 2 Turn on the power to the EMP unit.

Accessing the 3545 MCU Administrator Interface

The Cisco Unified Videoconferencing 3545 MCU Administrator is a web interface that allows you to configure general MCU settings, monitor MCU operation, create or edit services, manage media processor units and perform maintenance.

You access the MCU Administrator web interface in the MCU access window by signing in as an Administrator.

You can use your web browser from any remote PC station to monitor and to configure the MCU application. A web server is installed in the MCU to facilitate the use of the remote web-based monitoring and management.

Access to the MCU configuration interface is controlled by a user name and a password. Once you have entered the settings you want, you should upload them to the unit for them to take effect, or you can save them to a configuration file to be loaded at a later time.

Before You Begin

The following requirements are necessary to access the MCU Administrator web interface:

- A Java-compliant browser. Microsoft Internet Explorer version 5.5 or later is recommended.
- The MCU IP address or a web link to the MCU.
- The required user name and password.



Note

For first-time installation, you must assign an IP address to the MCU using a serial port connection before you can access the web interface. For more information, see the [“Setting the IP Address” section on page 2-8](#).

Procedure

Step 1 Launch your browser and enter the IP address or the name of the MCU followed by /admin.

For example, `http://125.221.23.44/admin` or `board_name/admin`.

The MCU access window appears.

Step 2 Enter the Administrator user name and password in the appropriate fields and click **Go**. The default global user name is *admin*. The default password is <null>.

The MCU Administrator interface appears.



Note

If you try to sign in as an Administrator and another Administrator is currently signed in, the MCU signs you in as a Read only user. The words *Read Only* appear at the top of the window and a pop-up displays the IP address of the Administrator already signed in. Read only users cannot edit any of the MCU settings.

Using the 3545 MCU Setup Wizard

The MCU setup wizard runs automatically the first time you access the MCU Administrator interface. In the setup wizard, you can configure addressing for the MCU IP, H.323 gatekeeper, and Session Initiation Protocol (SIP) proxy. In the setup wizard, you can also set the regional date and time settings of the device on which you manage the MCU.

Procedure

- Step 1** In the Administrator interface, click **MCU**
- Step 2** On the toolbar, click **Setup Wizard**.
The MCU Setup Wizard dialog box appears, displaying the Board Settings section.
- Step 3** To change the IP address information with which the MCU is currently configured, follow these steps:
- In the **IP address** field, enter the IP address you want to assign to the MCU.
 - In the **Subnet mask** field, enter the subnet mask you want to assign to the MCU.
 - In the **Router IP address** field, enter the IP address of the router that you want the MCU to use.
 - Click **Next**.
- The H.323 Settings section appears.
- Step 4** To set the gatekeeper you want the MCU to use, follow these steps:
- In the **Gatekeeper IP** field, enter the IP address of the gatekeeper that you want the MCU to use.
 - In the **Gatekeeper Port** field, enter the port number that the MCU can use to communicate with the gatekeeper.
 - Click **Next**.
- The SIP Settings section appears.
- Step 5** To change SIP configuration, follow these steps:
- In the **Proxy IP** field, enter the IP address for the SIP proxy.
 - In the **Proxy Port** field, enter the port for the SIP proxy.
 - In the **Default Domain** field, enter the default domain for the SIP proxy.
 - Select **Using Microsoft LCS** if the SIP proxy communicates with a Microsoft Live Communication Server device.
- The Date and Time Settings section appears.
- Step 6** To synchronize the MCU clock with the clock on the current computer, select **Update to local time**.
- Step 7** Click **Finish**.
-

Registering the Online Help for the 3545 MCU

The online help files for the MCU Administrator and Conference Control interfaces are shipped on the Cisco Unified Videoconferencing Software CD-ROM. To use the online help, you must install the help files for the MCU in a shared directory on your network and register the directory location in the Administrator interface.

If you wish to install the online help on a shared network location and link it to the MCU Administrator, perform the following steps:

Procedure

-
- Step 1** Copy the online help library from the Cisco Unified Videoconferencing Software CD-ROM to a shared folder on a PC on your network.
 - Step 2** Log in to the MCU Administrator interface.
 - Step 3** In the Online help URL field of the Board Web tab, enter the directory path to the help files you installed on your PC.

The path must have the form:
`file://computerName/sharedDirectory`

where `computerName` is the name of the computer on the network and `sharedDirectory` is the path to the Online Help folder on the CD-ROM. For example:
`file://myComputer/Shared/Online Help`
 - Step 4** Click **Upload** in the Cisco Unified Videoconferencing 3545 MCU Administrator toolbar, followed by **Refresh**.
 - Step 5** You may need to log out and log back in to the MCU Administrator for the change to take effect.
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Netscape Navigator Users

Online help files located on the local network and accessed using Netscape Navigator 4.x must be located on a mapped network drive.