

**Main page:** [Cisco Unified MeetingPlace, Release 7.0](#)

You perform initial monitoring and administration of the Cisco Unified MeetingPlace 3500 Series Media Server from a remote PC via a serial connection. This allows you to access the boot configuration menu of the Cisco Unified MeetingPlace 3500 Series Media Server. At power-up, the Cisco Unified MeetingPlace 3500 Series Media Server 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 Cisco Unified MeetingPlace 3500 Series Media Server completes its boot sequence and is ready for operation.

**Note:** You can perform serial port configuration of the Cisco Unified MeetingPlace 3500 Series Media Server 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 Cisco Unified MeetingPlace 3500 Series Media Server.

## Contents

- [1 Connecting the Audio or Video Blade to a PC](#)
  - ◆ [1.1 Procedure](#)
- [2 Starting the Terminal Emulation Program](#)
  - ◆ [2.1 Procedure](#)
- [3 Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#)
  - ◆ [3.1 Procedure](#)
- [4 Accessing the Audio Blade and Video Blade Main Menus via Telnet](#)
  - ◆ [4.1 Procedure](#)
- [5 Accessing the Audio Blade and Video Blade Main Menus via the Serial Port](#)
  - ◆ [5.1 Procedure](#)
- [6 Setting the IP Address for the Audio Blade](#)
  - ◆ [6.1 Before You Begin](#)
  - ◆ [6.2 Table: Requirements for Setting the IP Address](#)
  - ◆ [6.3 Procedure](#)
- [7 Pointing the Video Blade to the Controlling Audio Blade](#)
  - ◆ [7.1 Procedure](#)
- [8 Setting the IP Address for the Video Blade](#)
  - ◆ [8.1 Procedure](#)
- [9 Setting the Ethernet Speed and Duplex Parameters for the Audio Blade](#)
  - ◆ [9.1 Procedure](#)
- [10 Changing the Password for the Audio Blade](#)
  - ◆ [10.1 Procedure](#)
- [11 Changing the Configuration Software User Name and Password for the Video Blade](#)
  - ◆ [11.1 Procedure](#)
- [12 Changing the Security Level of the Video Blade](#)

- ◆ [12.1 Procedure](#)
- [13 Changing the Status of Strong Password Protection for the Video Blade](#)
  - ◆ [13.1 Procedure](#)
- [14 Changing Advanced Configuration Settings for the Video Blade](#)
  - ◆ [14.1 Procedure](#)
- [15 Saving Network Configuration Settings for the Audio Blade and Video Blade](#)
  - ◆ [15.1 Before You Begin](#)
  - ◆ [15.2 Procedure](#)
- [16 Connecting the Audio Blade to the LAN](#)
  - ◆ [16.1 Procedure](#)
- [17 Connecting the Video Blade to the LAN](#)
  - ◆ [17.1 Procedure](#)

## Connecting the Audio or Video Blade to a PC

The PC terminal must have a terminal emulation application, such as HyperTerminal, installed on it.

### Procedure

1. Locate the RS-232 terminal cable that shipped with the Cisco Unified MeetingPlace 3500 Series Media Server.
2. Connect the end labeled PC to the serial port on the computer.
3. Connect the end labeled Unit to the upper serial port connector on the front panel of the Audio Blade.

## Starting the Terminal Emulation Program

### Procedure

1. Connect the RS-232 terminal cable to the PC terminal.
2. Connect the power cable.
3. Start the terminal emulation application on the PC.
4. Set the communication settings in the terminal emulation application on the PC as follows:
  - ◆ Baud rate: 57600 for Audio blade (9600 for Video blade is used)
  - ◆ Data bits: 8
  - ◆ Parity: None
  - ◆ Stop bits: 1
  - ◆ Flow control: None
5. Click **OK**.
6. Turn on the power to the Audio/video Blade.

The system displays a log of the auto-boot events.

## Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration

### Procedure

1. Connect the Audio Blade to a PC and start the terminal emulation program. See [Connecting the Audio Blade to a PC](#) and [Starting the Terminal Emulation Program](#)
2. Press any key as soon as you see the message "Press any key to start configuration" on the screen. You only have six seconds.

For the Audio Blade: The system displays the network configuration Main menu 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 mode

A: Advanced configuration menu

Q: Quit

Select:

For the Video Blade: The system displays the network configuration Main menu as follows:

Main menu

N: Configure default network port values

P: Change the configuration software password

S: Configure network security mode

M: Change Media Controller (MCU\GW) IP address

R: Enable/Disable RS232 Console

C: Enable/Disable Strong Password

A: Advanced configuration menu

Q: Quit

Select:

## Accessing the Audio Blade and Video Blade Main Menus via Telnet

### Procedure

1. Go to **Start > Run** on your PC.
2. Enter **cmd**.
3. Enter **telnet <IP address of the blade>**, where *<IP address of the blade>* is the IP address of the blade that you wish to configure.

Procedure

4. Enter the user name for this blade.
5. Enter the password for this blade.
6. Enter **modifyTargetDevice**.
7. Press **Enter** to view the network configuration Main menu.

## Accessing the Audio Blade and Video Blade Main Menus via the Serial Port

### Procedure

1. Connect the Audio Blade to a PC and start the terminal emulation program.
2. Enter **modifyTargetDevice**.
3. Press **Enter** to view the network configuration Main menu.

## Setting the IP Address for the Audio Blade

Use the serial port on the front panel of the Audio Blade to assign a new IP address to your Audio Blade. You can assign the IP address before or after you connect the Audio Blade to the network.

### Before You Begin

Gather the items listed in [Table: Requirements for Setting the IP Address](#).

**Table: Requirements for Setting the IP Address**

Requirements	Notes
Dedicated IP address for the Audio Blade	
IP address of the default router that the Audio Blade uses to communicate over the network	
Subnet mask for the Audio Blade (if applicable)	
Domain Name Server and domain name for the Audio Blade (if applicable)	

### Procedure

1. Access the Audio Blade network configuration Main menu.
2. Enter **N** to configure the default network port values.

3. Enter the IP address that you want to assign to the Audio Blade when you see the prompt to enter the IP address for interface number 1.  
**Note:** Do not use leading zeros in the IP address.
4. Enter the IP address of the router that you want the Audio Blade to use when you see the prompt to enter the default router IP address.  
**Note:** Do not use leading zeros in the IP address.
5. Enter the subnet mask as follows when you see the prompt to enter the IP mask:
  - ◆ Convert the subnet mask IP address to hexadecimal notation and enter the hexadecimal number at the prompt.  
For example, for the subnet mask 255.255.255.0, the hexadecimal value you enter is FFFFFFF0.
  - Tip:** You can use the desktop calculator on your computer to convert the subnet mask ID to hexadecimal notation.
  - ◆ Press **Enter** if you are not using a subnet mask.  
The system updates the boot line parameter and reboots. The system starts a new emulator session.
6. Enter **Q** at the network configuration Main menu to save your changes and to allow the Audio Blade to complete the boot process.  
**Note:** Do not configure any of the parameters on the network configuration Main menu except for the N option (to configure the default network port values). Changing or reconfiguring other parameters can change the function of the Cisco Unified MeetingPlace 3500 Series Media Server and should not be performed by an unauthorized person.

## Pointing the Video Blade to the Controlling Audio Blade

Use the serial port to point the Video Blade to the IP address of the controlling Audio Blade.

**Note:** You cannot point more than four Video Blades to an Audio Blade. The system ignores any extra Video Blades.

### Procedure

1. Access the Video Blade. See [Accessing the Audio Blade and Video Blade Main Menus via Telnet](#).
2. Enter **modifyTargetDevice**.
3. Enter **m**.
4. Enter the IP address of the Audio Blade to which you want to attach.
5. Enter **q**.  
The Video Blade reboots.

## Setting the IP Address for the Video Blade

The IP address of the Video Blade must be different than the IP address configured for the Audio Blade.

For the Cisco Unified MeetingPlace 3515 Media Server, you use the lower serial port on the front panel of the Media Server to access the console, in order to assign an IP address to a new Video Blade. You can assign the IP address before or after you connect the hardware to the network. The IP address is associated with the network port.

For the Cisco Unified MeetingPlace 3545 Media Server, you use the serial port on the front panel of the Video Blade to assign an IP address to a new Video Blade. You can assign the IP address before or after you connect the hardware to the network.

### Procedure

1. Access the Video Blade network configuration Main menu. See [Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#).
2. Enter **N** to configure the default network port values.
3. Enter the IP address that you want to assign to the Video Blade followed by the subnet mask, in the format <IP address:subnet mask>. The subnet mask IP must be a hexadecimal number.  
**Tip:** You can use the desktop calculator on your computer to convert the subnet mask ID to hexadecimal notation.
4. Enter the IP address of the default gateway that you want the Video Blade to use.  
Allow the Cisco Unified MeetingPlace 3500 Series Media Server to complete the reboot process. A new emulator session begins.
5. Enter **Q** at the network configuration Main menu to save your changes and allow the Cisco Unified MeetingPlace 3500 Series Media Server to complete the boot process.

**Note:** Do not configure any of the parameters on the network configuration Main menu except for the N option (to configure the default network port values). Changing or reconfiguring other parameters can change the function of the Cisco Unified MeetingPlace 3500 Series Media Server and should not be performed by an unauthorized person.

## Setting the Ethernet Speed and Duplex Parameters for the Audio Blade

**Note:** Requirement to have it 1 Gigabit auto negotiation and full duplex settings. We recommend that you manually set these parameters so that the Audio Blade uses auto negotiation and full duplex settings. The auto negotiation setting is the only option that works with gigabit Ethernet. The same speed and duplex settings should be applied on both the Audio Blade and the network switch; otherwise, the Audio Blade will not be accessible on the network.

## Procedure

1. Access the Audio Blade network configuration Main menu. See [Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#).
2. Enter **A** to display the Advanced Configuration menu.
3. Enter **3** to select Change LAN Port Settings.
4. Enter one of the following, depending on your settings:
  - ◆ **1** - 10 Mbps Half Duplex
  - ◆ **2** - 100 Mbps Half Duplex
  - ◆ **3** - 10 Mbps Full Duplex
  - ◆ **4** - 100 Mbps Full Duplex
  - ◆ **5** - Auto
  - ◆ **Q** - QuitThe default setting is **5** - Auto, which is also the only setting that works with gigabit Ethernet.
5. Enter **Q** to save your changes and allow the Audio Blade to complete the boot process.

## Changing the Password for the Audio Blade

**Note:** This section only applies to the Cisco Unified MeetingPlace 3545 Media Server.

Use the user name and password to access the configuration web page for the Audio Blade. This user name and password are also used for the following:

- Starting a Telnet session to monitor the Audio Blade
- Upgrading the Audio Blade software

The default user name is *admin*. The default password is *password*.

## Procedure

1. Access the Audio Blade network configuration Main menu. See [Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#).
2. Enter **P**.
3. Enter the name "admin."
4. Enter the password that you want to use.

**Tip:** We strongly recommend that you use a strong password. See [Changing the Status of Strong Password Protection for the Video Blade](#).
5. Enter **Q** to save your changes and to allow the Audio Blade to complete the boot process.

## Changing the Configuration Software User Name and Password for the Video Blade

**Note:** We strongly recommend that you change the default password to one that contains eight characters, including at least four different characters.

#### Procedure

1. Access the Video Blade network configuration Main menu. See [Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#).
2. Enter **P**.
3. Enter a user name.
4. Enter the password that you want to use.
5. Press any key to return to the Video Blade Main menu.

## Changing the Security Level of the Video Blade

The security levels are as follows:

- 0 (low)-Allows Telnet, FTP and Internet Control Message Protocol (ICMP) to access the Video Blade.
- 1 (medium)-Allows only ICMP access to the Video Blade.
- 2 (high)-Allows no access to the Video Blade.

#### Procedure

1. Access the Video Blade network configuration Main menu. See [Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#).
2. Enter **S** at the Main network configuration menu prompt.
3. Enter the new security level.  
The system displays the updated security level and then displays the Video Blade Main menu.

## Changing the Status of Strong Password Protection for the Video Blade

To enforce a strong password policy, user passwords must meet the following conditions:

- A password must contain the following:
  - ◆ Two uppercase characters
  - ◆ Two lowercase characters

- ◆ Two numeric characters
  - ◆ Two special characters
  - ◆ No more than three repeating characters
- A password cannot be reused within the last ten uses.
  - At least fifty percent of the password must be different from the previous password.
  - The password cannot be changed more than once every 24 hours.
  - Users must change their password the first time that they log in.

#### Procedure

1. Access the Video Blade network configuration Main menu. See [Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#).
2. Enter **C**.
3. Do one of the following:
  - ◆ Enter **1** to enable strong password protection.
  - ◆ Enter **0** to disable strong password protection.

## Changing Advanced Configuration Settings for the Video Blade

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

1. Access the Video Blade network configuration Main menu. See [Accessing the Audio Blade and Video Blade Main Menus on Initial Configuration](#).
2. Enter **A** at the Main network configuration menu prompt to access the Advanced Configuration menu.
3. Enter **1** to configure the web server port.

The system displays the current web port server setting and returns you to the Advanced Configuration menu.
4. Enter **2** to restore the factory configuration settings.

The system asks you to confirm your choice.
5. Enter **y**.

The system returns you to the Advanced Configuration menu.

6. Enter **3** at the prompt to change Ethernet speed and duplex parameters.

7. Enter one of the following, depending on your settings:

- ◆ **1** - 10 Mbps Half Duplex
- ◆ **2** - 100 Mbps Half Duplex
- ◆ **3** - 10 Mbps Full Duplex
- ◆ **4** - 100 Mbps Full Duplex
- ◆ **5** - Auto

The system returns you to the Advanced Configuration menu.

8. Enter **4** at the Main network configuration menu prompt to disable the DSP reset facility.

**Note:** Only qualified technical personnel should modify the DSP reset function settings.

The system returns you to the Main network configuration menu.

## **Saving Network Configuration Settings for the Audio Blade and Video Blade**

### **Before You Begin**

Ensure that you have completed your configuration.

### **Procedure**

Enter **Q** at the Main network configuration menu prompt to exit the Audio Blade or Video Blade Main menu.

The system closes the Audio Blade or Video Blade Main menu and automatically reboots.

## **Connecting the Audio Blade to the LAN**

### **Procedure**

1. Connect the supplied LAN cable from your network switch (must be Gbit switchports) to the 10/100/1000BaseT Ethernet port on the front panel of the Cisco Unified MeetingPlace 3500 Series Media Server. The 10/100/1000BaseT port accepts an RJ-45 connector.

**Note:** For the Cisco Unified MeetingPlace 3545 Media Server, connect the cable to the Ethernet port on the right.

2. Turn on the power to the Cisco Unified MeetingPlace 3500 Series Media Server.

## **Connecting the Video Blade to the LAN**

**Procedure**

1. Connect the supplied LAN cable from your network switch (must be Gbit switchports) to the 10/100/1000 Ethernet port on the front panel of the Video Blade. The 10/100/1000 port accepts an RJ-45 connector.
2. Turn on the power to the Video Blade.