ENGLISH

H300/H100

Video Conferencing for Everyone

User Manual

Table of Contents

Introduction **1**
Package Contents **1**
Get Familiar with the H300/H100 ..... **2**
Main System 2
Table Hub 3
MIC 4
Camera 4
Remote Control 5
Table Hub Control Panel 7
Making the Connections **8**
Connecting a VGA display device output 8
Connecting a TV display output 9
Connecting the camera to main system 9
Connecting the Table Hub and Main System 10
Connecting the MIC 10
Connecting the LAN 11
Connecting a Computer 11
Connecting the Power 11
Connecting a DVD player or Camcorder 12
Setting Up H300/H100 ..... **12**
Camera 12
Infrared Sensor 13
Running the H300/H100 ..... **13**
Navigating the Menus and Settings 13
Using the On-screen keyboard and numeric pad 13
Home Menu Screen **14**
Cam Ctrl 14
To Adjust the H300/H100 Camera 14
Dial 15
To Make a Call Using Dial 15
Phonebook 15
To Add Group 16
To Edit Group 17
To Delete Group 18
To Add Phonebook Entries 20
To Edit Phonebook Entries 22
To Delete Phonebook Entries 23
Call History 24
To Check the IN/OUT Calls 24
To Make a Call in Call History 25
Setting 26

Administrator 26
Enable/ Disable Administrator Setting 26
Quick Start 28
To Setup the H300/H100 28
To Setup the Language 29
To Setup the System Name 29
LAN configuration 30
To Setup the Network 31
To Setup the Date and Time 31
General Setting 32
To Enable/Disable Far Control of Near Camera: 32
To Set the Monitor Aspect Ratio 33
To Set the Screen Saver Timer 34
To Set the Auto Turn Off Timer 34
Call Setting 35
To Set the Auto Answer Setting 35
To Setup the Session Initiation Protocol (SIP) 36
To Enable/Disable Advanced Encryption Standard 37
Network 38
To Set the Gatekeeper 38
To Set the Firewall 39
To Enable/Disable Quality of Service 40
Video /Audio 40
To Enable/Disable keypad tone 41
To Adjust the Mic Gain Level 41
To Specify the Video/Audio Codec 42
To Set the Camera White Balance Setting 43
To Set the Camera Exposure Setting 43
Reset System 44
To Reset the System 44
Setting the Camera Preset Point 45
To Set the Camera Preset Point: 45
Testing the Network 46
To Test the Network: 46
To Test the Video and Audio: 47
Update the Firmware System: 47
To Update Firmware via USB Flash Drive 47
To Save and Send the System Log: 48
Managing the AVeComm System Using the WebTool 50
To Access AVer HVC using the Internet Browser: 50
To use the Cam. Control in WebTool 51
To Add, Edit and Delete Phonebook using WebTool: 51
To Download Phonebook Entries in WebTool: 52

To Edit and Save the Downloaded Phonebook Entries : 53
To Upload Phonebook Entries in WebTool: 54
To Download Call History in WebTool: 55
To Add Phonebook Entry from the Call History list: 56
To Update the System: 57
To Back up the System Setting: 57
To Restore the System Setting: 59
Using the H300/H100 60
Making a call 60
To Call Using the Phonebook: 60
To Call Using Dial: 61
To Call Using Call History: 62
To End MCU Call: 63
Recording your Meeting 63
To Playback the Meeting Recording on H300/H100 63
To Playback the Meeting Recording Using AVer VCplayer 64
To Convert the File Using VCplayer 66
To Convert Files Using MultiConversion 67
Troubleshooting 68
Audio 68
Video / Display 68
Network 69
General 69
Limited Warranty 70
Federal Communications Commission Statement (Class A) 71
Class A ITE: 72
CE Class A (EMC) 72
DISCLAIMER 72
TRADEMARKS 72
COPYRIGHT 72
Remote Control Battery Safety Information 73

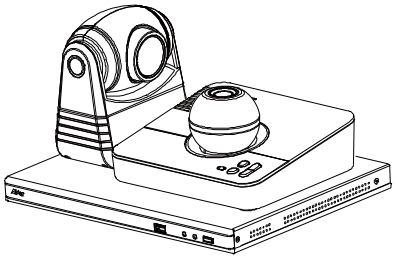
Introduction

Thank you for choosing AVer H300/H100. H300/H100 is a video conferencing device which allows you to see and communicate with your client. With H300, you can create a 4-party video conference call with your board members from different countries or locations. This saves you time and travel expenses.

H300/H100 uses 5-megapixel camera sensor and gives you high definition 720p video quality. H300/H100 Table Hub comes with a built-in speaker. You can hook up the 2nd display device in the Table Hub like an LCD projector for a bigger screen or with a dual screen setup which allows you to have your presentation and video conference shown simultaneously. By using a USB flash drive, you can record the meeting and review it anytime on H300/H100 or on PC with the bundled AVer VC player and share it with your meeting attendees.

Package Contents

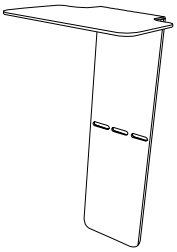
Make sure the following items are included in the package.



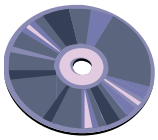
AVer™ H300/H100
(main system, camera, table hub and mic)



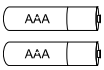
Remote Control



L-Bracket
(camera stand)



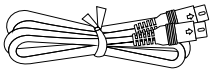
Manual CD



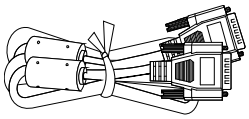
2 AAA Batteries



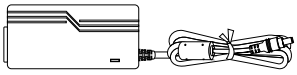
Phone to RCA Cable



S-Video Cable



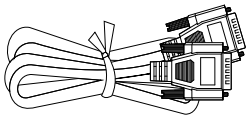
26Pin-DSub Cable
(female/female)



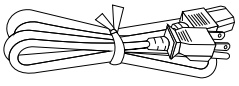
Power Adapter



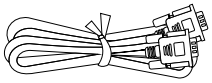
RCA Cable



26Pin-DSub Cable
(male/male)



Power Cord

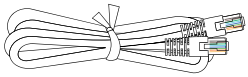


VGA Cable

* The power cord will vary depending on the standard power outlet of the country where it is sold.



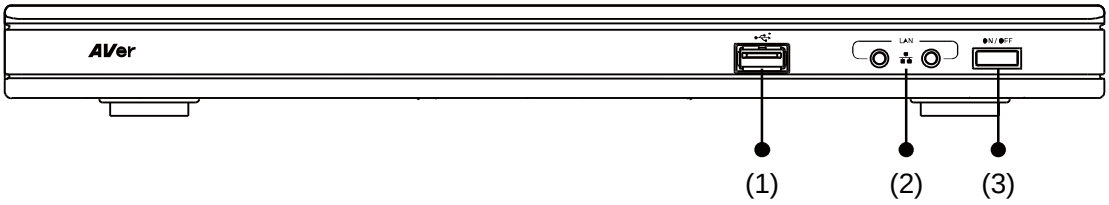
6P4C Cable



RJ-45 Cable

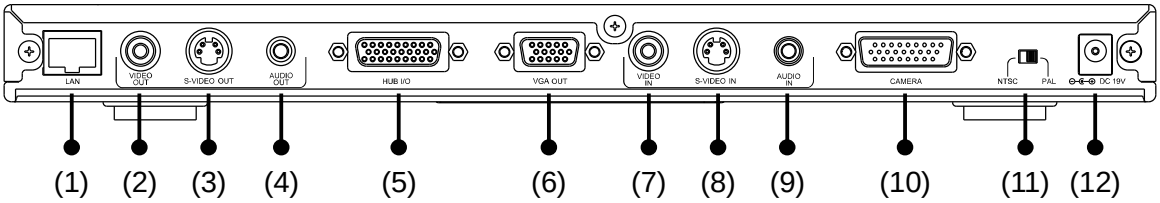
Get Familiar with the H300/H100

Main System



Main system front panel (fig. 1.1)

Name	Function
(1) USB Flash Drive port	Insert a USB flash drive for recording the meeting.
(2) Network Status	Check the network connection.
(3) Power	Turn on/off the main system.



Main system back panel (*fig. 1.2*)

Name	Function
(1) LAN	Use an RJ-45 Ethernet cable and connect it to RJ-45 Ethernet port. Make sure to connect H300/H100 to an IP-based network.
(2) VIDEO OUT	Output the video signal from the main system on an TV thru RCA video connection.
(3) S-VIDEO OUT	Output the video signal from the main system on an TV thru S-Video connection.
(4) AUDIO OUT	Output the audio signal from the main system on an TV thru RCA left and right audio connection.
(5) HUB I/O	Send and receive signal between the main system and table hub.
(6) VGA OUT	Output the video signal from the main system on a flat panel monitor/LCD TV or LCD/DLP projector thru RGB connection. In dual monitor mode, this will be the main screen.
(7) VIDEO IN	Receive the video signal from a media device thru RCA video connection.

Name	Function
(8) S-VIDEO IN	Receive the video signal from a media device thru S-Video connection.
(9) AUDIO IN	Receive the audio signal from the audio device thru RCA left and right audio connection.
(10) CAMERA	Receive the image from the camera to the main system.
(11) NTSC/PAL	Set the correct TV display output system.
(12) DC 19V	Connect the power adapter into this port.

Table Hub

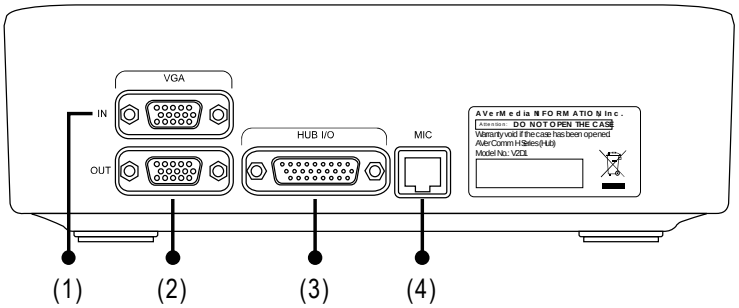
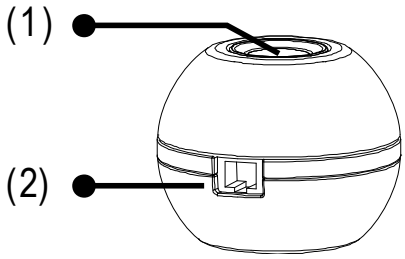


Table Hub back panel (*fig. 1.2*)

Name	Function
(1) VGA IN	Input the signal from a computer or other sources. Connect this port to the VGA output port of a computer. Press PRESENT on the remote and select VGA IN to share and display the computer image with the video conferencing camera image.
(2) VGA OUT	Output the video signal from the main system on a flat panel monitor or LCD/DLP projector thru VGA connection. In dual monitor mode, this port will display the local screen or present screen when the content is being shared.
(3) HUB I/O	Send and receive signal between the main system and Table Hub.
(4) MIC port	Receive the audio signal from the MIC to main system. Use the 6P4C cable to connect the mic and Table Hub.

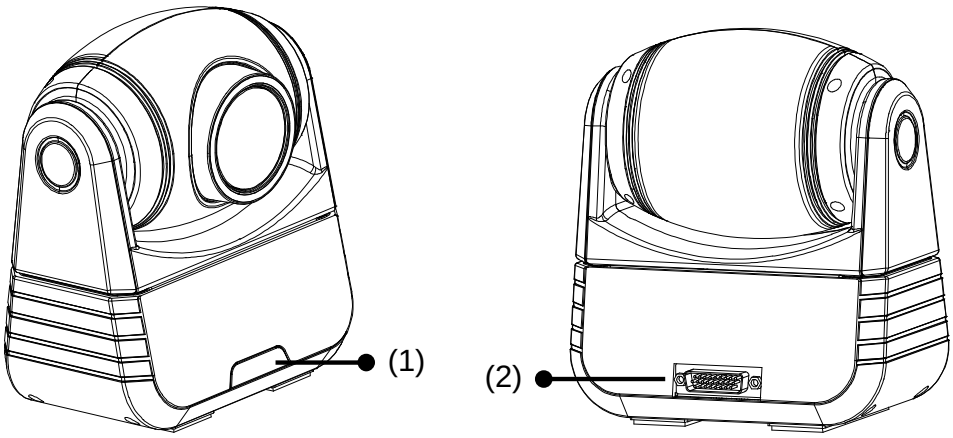
MIC



(*fig. 1.3*)

Name	Function
(1) Mute	Turn on/off the mic.
(2) MIC port	Use the 6P4C cable and connect the other end to the Table Hub MIC IN port.

Camera



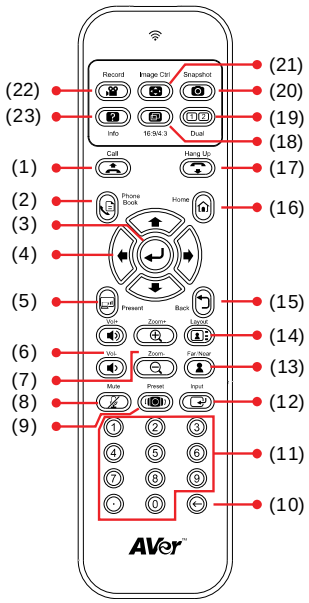
(*fig. 1.4*)

Name	Function
(1) IR Sensor	Aim the remote control here to operate the unit.
(2) CAMERA	Send the signal from the camera to the main system.

Remote Control

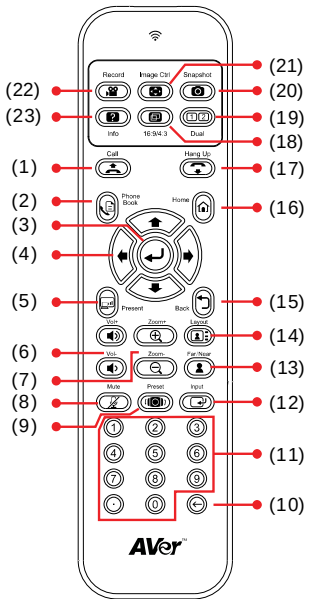
The remote control requires two (2) “AAA” size batteries (supplied), make sure batteries are installed properly before using. Aim the remote control to the H300/H100 camera infrared sensor to operate the unit.

* Available in H300 model only.

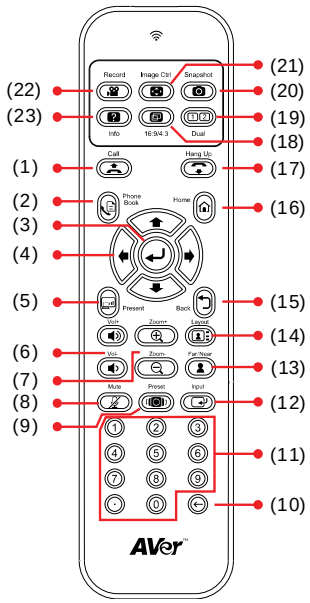


(*fig. 1.5*)

Name	Function
(1) Call	Start a call or add another party.
(2) Phone Book	▪ Search contact to make a call. ▪ Enter to add, edit, delete or create group contact entry.
(3) Enter	▪ Make a selection in OSD menus or on-screen keyboard. ▪ Accept incoming call. ▪ Display the site name and icon during the meeting.
(4) ▲,▼,◄, & ►	▪ Use these buttons to navigate through the selections in OSD menus or on-screen keyboard. ▪ Pan and tilt the camera to adjust the visual angle of the camera. ▪ Pan, tilt the zoomed in camera image or the captured image.
(5) Present	Share either the video/image from the VGA IN port or the captured image. This present icon will appear on the screen to indicate sharing the present image. The present icon will disappear in 5 sec. 
(6) Vol +/-	Increase/decrease the speaker volume.



Name	Function
(7) Zoom +/-	Increase/decrease the camera image or the captured image magnification.
(8) Mute	Turn on/off the MIC. This mute icon will appear when the mic is turned off. The mute icon will become translucent in 5 sec.
(9) Preset	▪ Press hold for 3 sec to set the position of the camera preset point from the selected number. The preset point can be set from 0-9. ▪ Press to move the camera target to the selected preset point number.
(10) Backspace	Move back one space and delete one character at a time.
(11) Numeric Pad	Use to enter numeric number.
(12) Input	Switch the input source between H300/H100 camera, S-Video, or Video.
(13) Far/Near	Select to control either near site or far site camera. The cam ctrl icon will appear on the screen to show which camera site you are going to control. The cam ctrl icon will disappear in 5 sec. The camera from the far site can only be operated when the enable far site to control the camera is permitted.
(14) Layout	Change to different split screen mode.
(15) Back	Return to previous OSD menu selection.
(16) Home	Call up the main screen.
(17) Hang Up	End the call.
(18) 16:9/4:3	Toggle between 16:9 or 4:3 to match the monitor aspect ratio.



Name	Function
(19) Dual	Switch to Dual monitor mode. This split the video conference screen and present screen. The video conference screen will be displayed on the monitor connected to the VGA OUT of the main system and the present screen will be displayed on the monitor connected to the VGA OUT of the table hub.
(20) *Snapshot	Capture the image from the camera. You can share the captured image using the Present function. See (5) Present.
(21) *Image Ctrl	Zoom and pan, tilt the displayed captured image in the shared screen.
(22) *Record	Start/Stop meeting recording. The recording can only be saved in a USB storage drive. The record icon will appear on the screen to show which site is recording. The record icon will become translucent in 5 sec.
(23) Info	Display the call statistics information.

Table Hub Control Panel

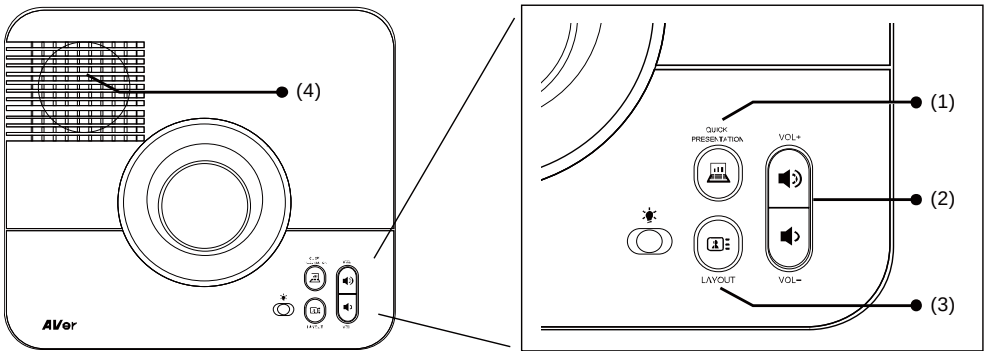


Table Hub control panel (*fig. 1.6*)

Name	Function
(1) QUICK PRESENTATION	Share the data from VGA IN.
(2) VOL +/-	Increase/decrease the speaker volume.
(3) LAYOUT	Change to different split screen mode.
(4) SPEAKER	Location of the speaker.

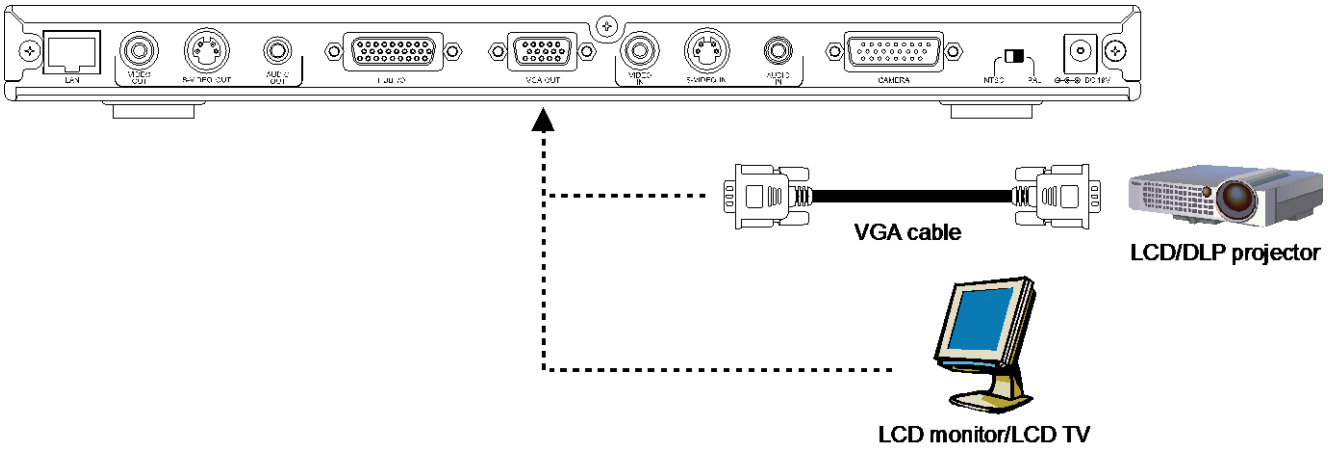
Making the Connections

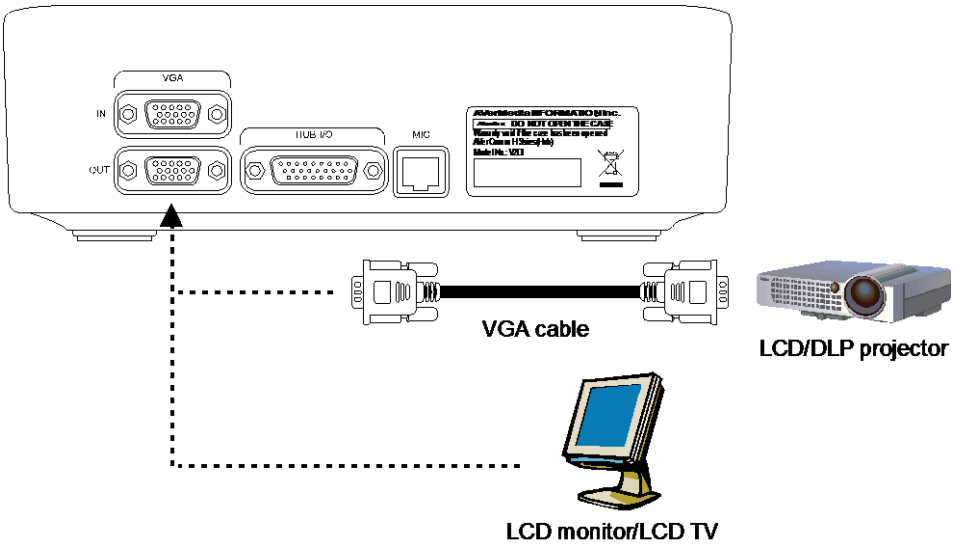
Before making the connection, make sure the power of all devices are turned off. If you are not sure on where to connect, simply follow the illustrated connections below and also refer to the user manual of the device you are connecting the H300/H100 with.

⚠ Make sure to connect all the connection before connecting the power.

Connecting a VGA display device output

Locate the VGA input port of the graphics display device and connect it to VGA OUT 1 (main system) or VGA OUT 2 (Table Hub) port of H300/H100. Both VGA OUT 1 and 2 can be used at the same time. For sharing data from VGA IN or the captured image in PRESENT mode, the present screen will be displayed in VGA OUT 2 when you split the video conference screen and present screen in DUAL mode.

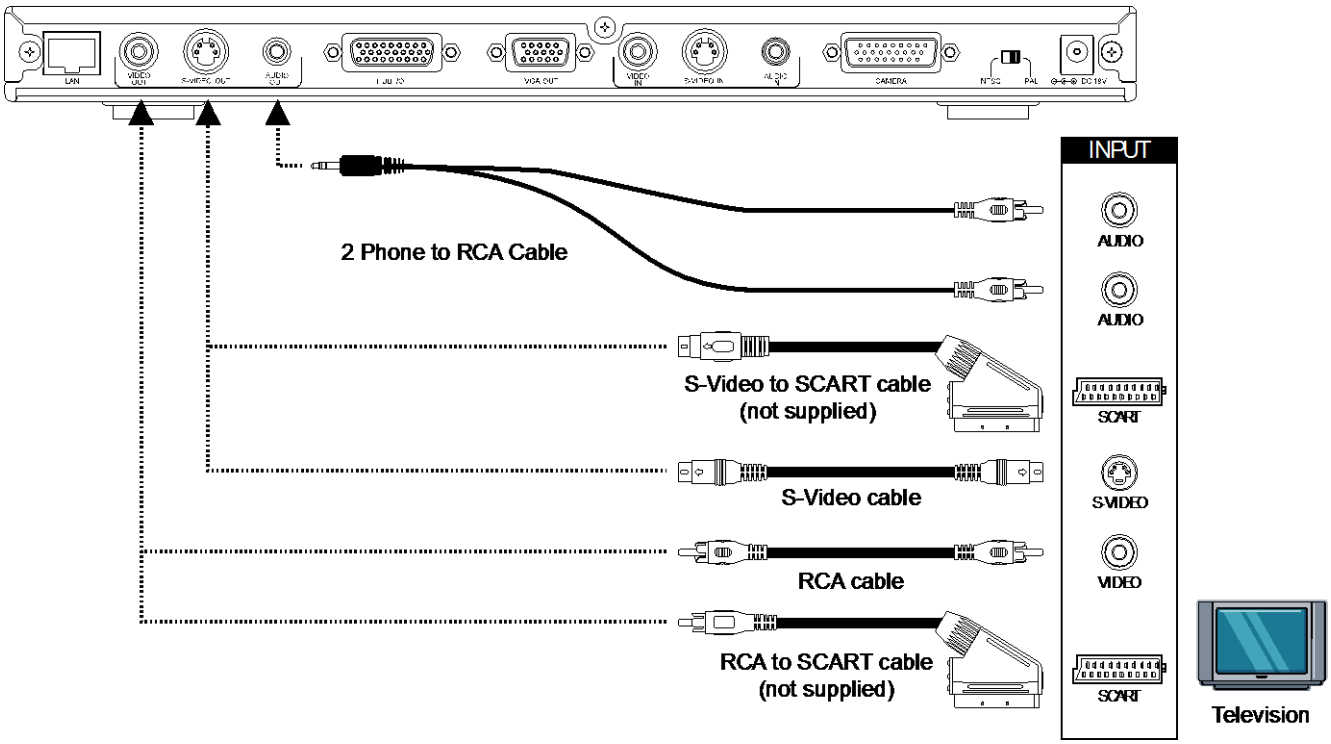




Connecting a TV display output

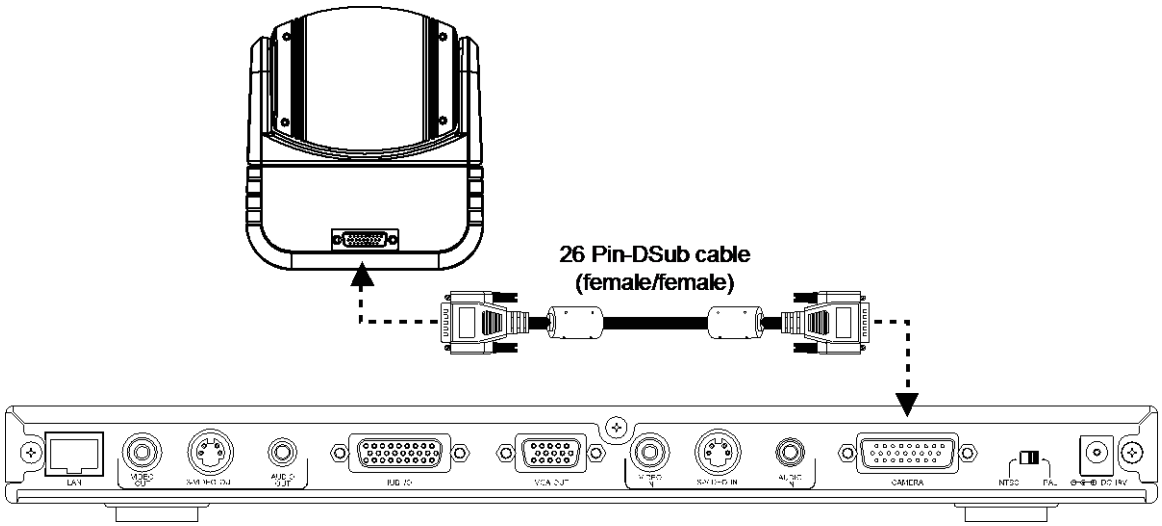
Locate the S-VIDEO, VIDEO or SCART RGB of the TV/LCD monitor and connect it to H300/H100.

- Make sure NTSC/PAL switch setting is set to proper TV system.



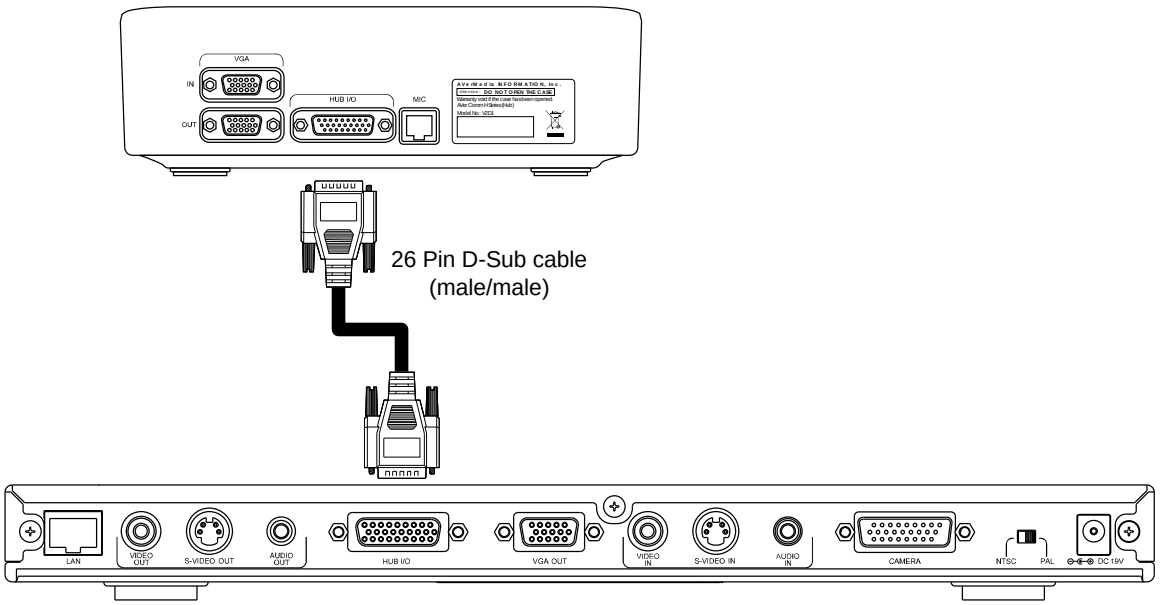
Connecting the camera to main system

Locate the CAMERA port of the camera and connect it to the CAMERA port of the main system.



Connecting the Table Hub and Main System

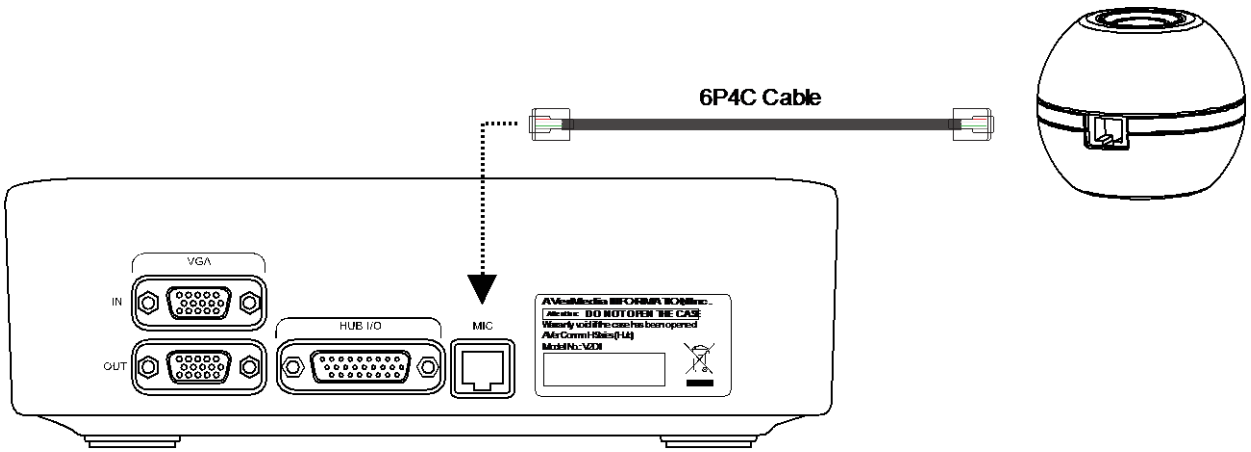
Locate the HUB I/O port of the table hub and connect it to HUB I/O port of the main system.



Connecting the MIC

Locate the MIC port of the table hub and use the supplied 6P4C cable then connect it to Mic port.

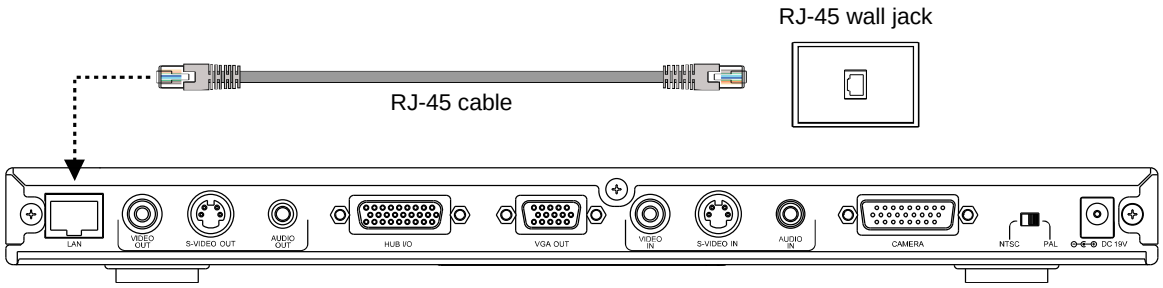
Press the button on top of H300/H100 Mic to turn on/off the mic.



Connecting the LAN

Use an RJ-45 Ethernet cable and connect it from the LAN port of H300/H100 to RJ-45 wall jack or Ethernet hub.

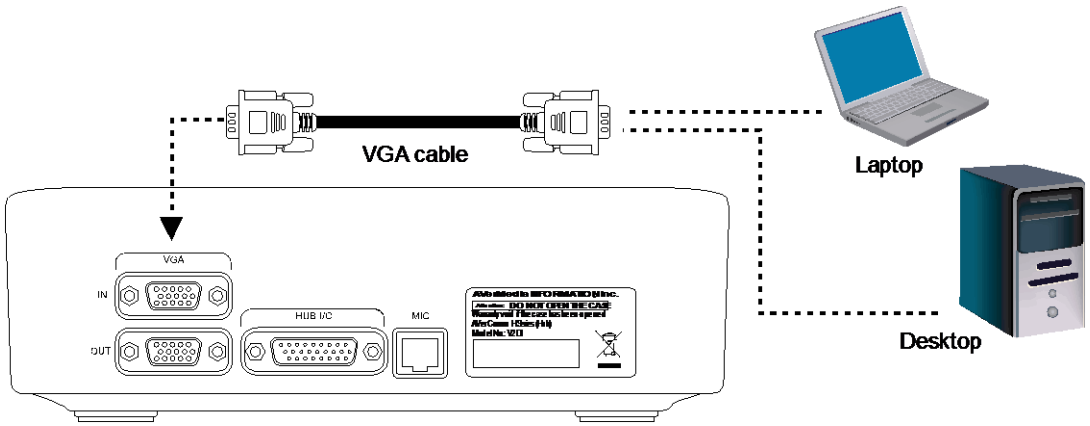
Make sure to connect it to an IP-based network.



Connecting a Computer

Locate the VGA output port of the computer or laptop and connect it to VGA IN port of H300/H100 Table Hub.

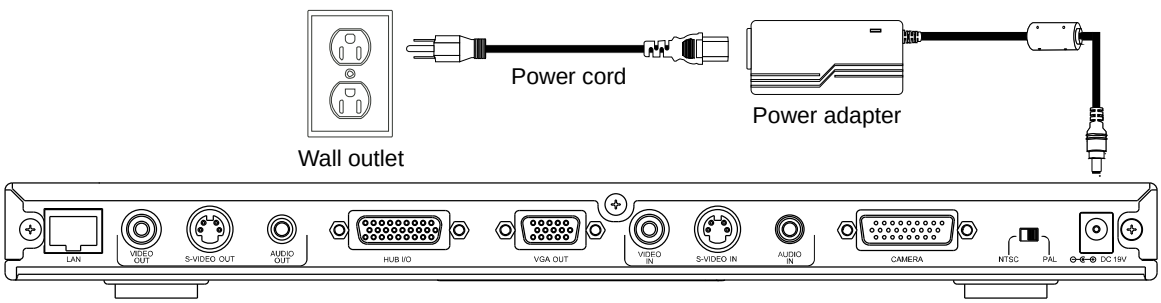
To share the data, press PRESENT and select “VGA”.



Connecting the Power

Connect the power adapter to a standard 100V~240V AC power outlet.

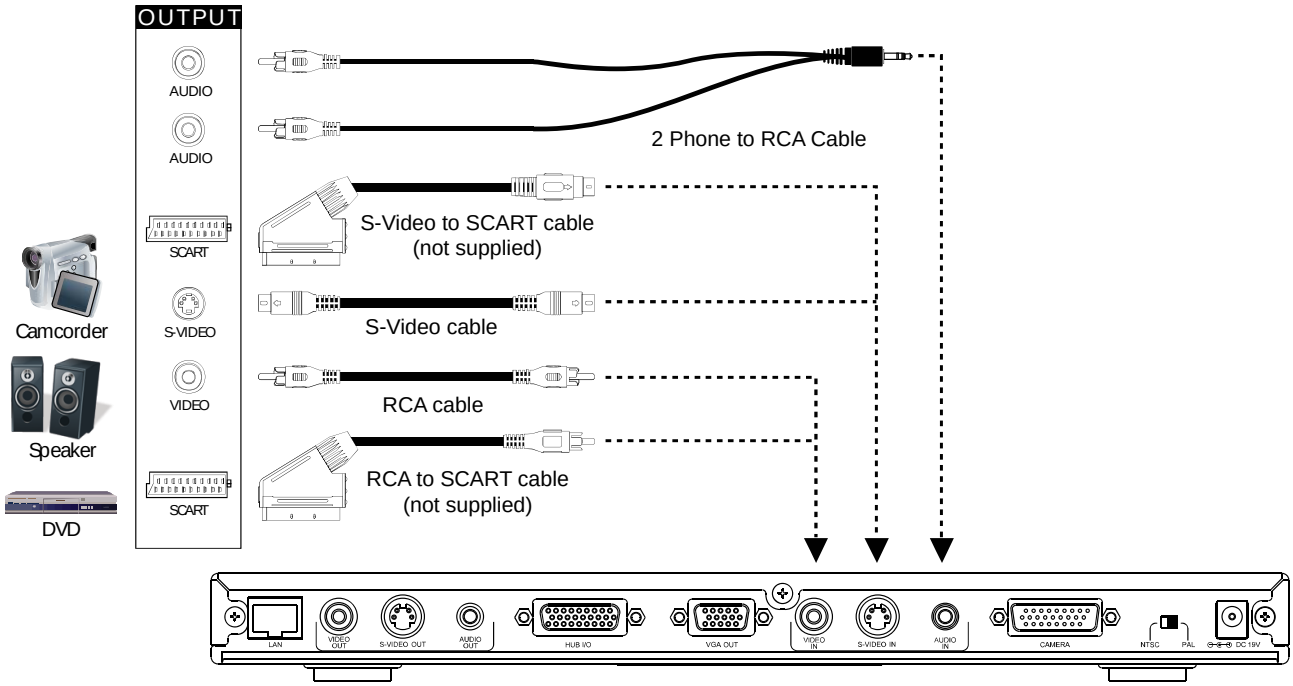
- To prevent shock, make sure the connection ports in the main system are connected before connecting the power and turning on the power.
- Make sure to use the supplied 19V power adapter.



Connecting a DVD player or Camcorder

Locate the S-VIDEO, VIDEO and AUDIO output port of the media player (i.e., DVD player) or camcorder to share the video instead of the image from the camera and connect it to S-VIDEO IN, or VIDEO IN and Audio IN port of H300/H100.

- Make sure NTSC/PAL switch setting is set to proper TV system.
- For better video quality, we strongly suggest using S-Video Connection.



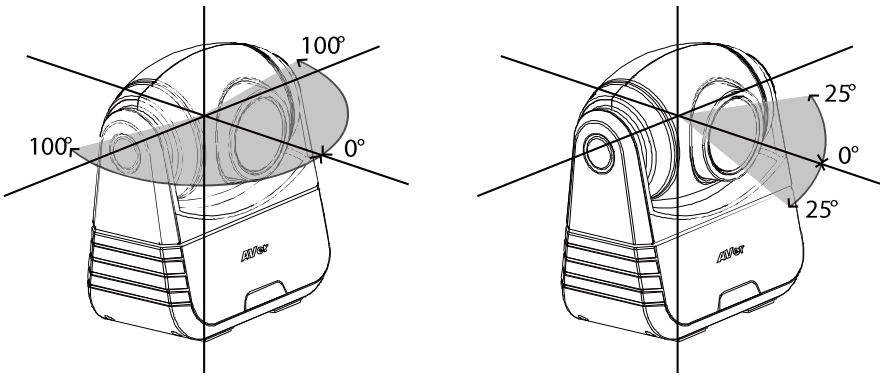
Setting Up H300/H100

This section provides useful tips on how to setup the H300/H100 to meet your needs.

Camera

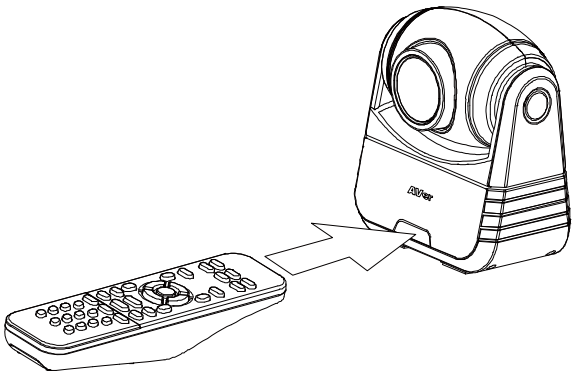
The H300/H100 camera design can be panned (Ø +- 100 deg range), tilted (Ø +- 25 deg range) and zoomed (7X) with the use of the ▲, ▼, ◄ and ►, and Zoom +/- buttons on the remote control.

Avoid manually adjusting the camera to prevent misalignment and damaging the pan and tilt motor. Always use the remote control to pan and tilt the camera head.



Infrared Sensor

Aim the remote control at the camera infrared sensor to operate the unit.



Running the H300/H100

Upon running the H300/H100 for the first time or the system is being reset, the system will instantly direct you to Quick Start menu. See Quick Start.

Navigating the Menus and Settings



1. In the Home menu, press ► and ◄ on the remote to toggle between the 5 selections.
2. Press ↵ to make a selection or the new setting to take effect.

Using the On-screen keyboard and numeric pad



1. Use the ▲, ▼, ◄ and ► buttons to move the selection and ↵ to make a selection.
2. Select Cancel and press ↵ to void the action and return to the previous or Home menu.
3. Select ⌫ and press ↵ to delete all the entered characters or number.
4. Select ← and press ↵ to delete one character or number.
5. Select ↵ and press ↵ to save and take effect the action and return to previous menu.



6. For numeric pad, you may use the number button on the remote and press ↵ to save and take effect the action and return to previous menu. Before you press ↵, make sure in the numeric pad the ↵ is selected.

Home Menu Screen

There are 5 selections on the Home menu screen: Cam Ctrl, Dial, Phonebook, Call History, and Setting. Upon running the H300/H100, the Home menu screen will be displayed. Simply use the ► and ◄ buttons to move between selections and press ↵ to make a selection. You can easily place a call and select the site contact either in Phonebook, Call History, or Dial. The administrator can also set security password to prevent changing the system setting and WebTool access.



Cam Ctrl

The Cam Ctrl allows you to adjust the visual angle of the camera, before making a call.

To Adjust the H300/H100 Camera



1. Select Cam Ctrl and press ↵. The screen will completely show the camera image and hide the Home menu.
2. Using the remote control, press ◄ and ► to pan, ▲ and ▼ to tilt, and Zoom+ and Zoom- to increase and decrease the camera magnification.
3. Press ⌂ to call up the Home menu again or ↩ to return to previous.

Dial

The Dial allows you to make a call by entering the IP address and set the call quality setting.

To Make a Call Using Dial



1. Select Dial and press ↵. The on-screen numeric pad will appear.

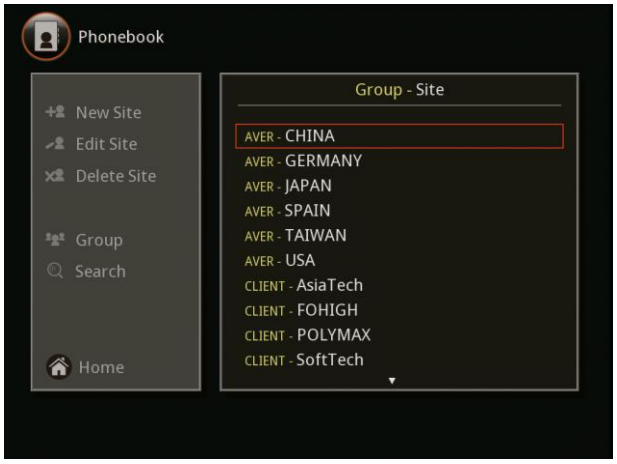
   To set the Call Quality, use ▲, ▼, ◄ and ► buttons to move the selection box to the Call Quality drop-down list and press ↵ to select the value.

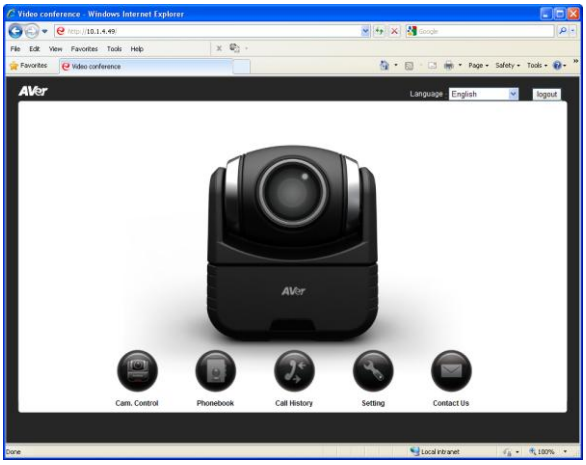


2. Use the numeric button on the remote to enter the IP address and press Call to make a call.

Phonebook

The Phonebook allows you store, edit, delete contact information, group contact by category, search contact and make a call. The group and site name of the contacts in the directory will be displayed in alphabetical order. You may also use the WebTool to work on the phonebook entries.





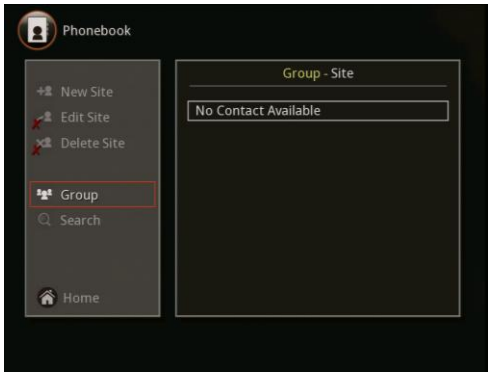
To Add Group

1. Select Phonebook and press ⏎.

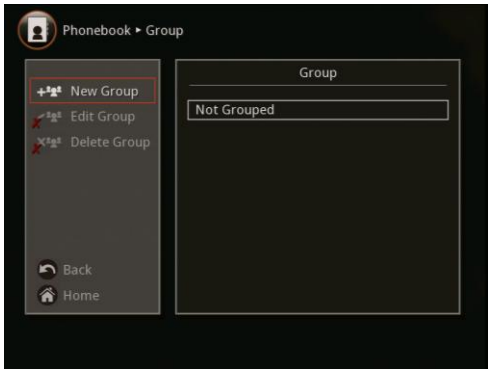


2. Select Group and press ⏎.

   In grouping the contacts, you can easily categorize the contacts into a specific group such as client, vendor, company, branch, and etc.



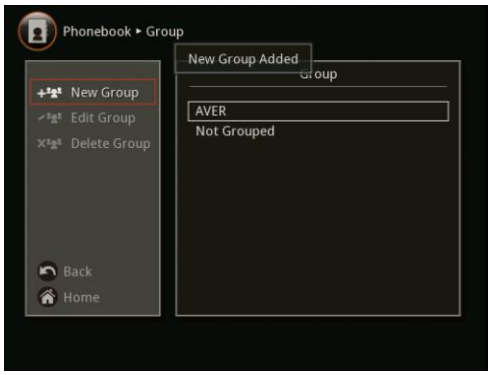
3. Select New Group and press ⏎.



4. Use the ▲, ▼, ◄ and ► buttons to move the selection in the on-screen keyboard and press ⏎ to make a selection. Select ↵ and press ⏎ to save the new group name.



5. The new group name will be saved and displayed in the Group list.

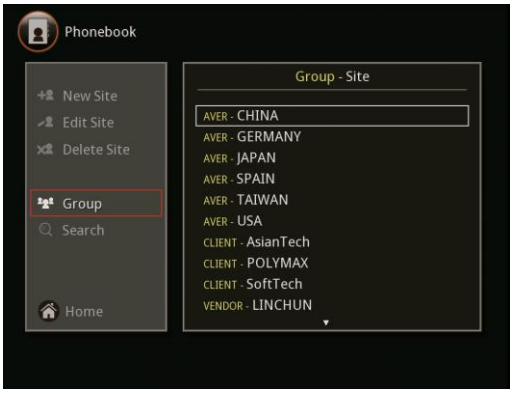


To Edit Group

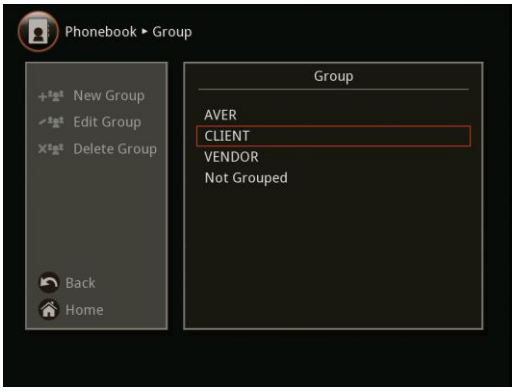
1. Select Phonebook and press ↵.



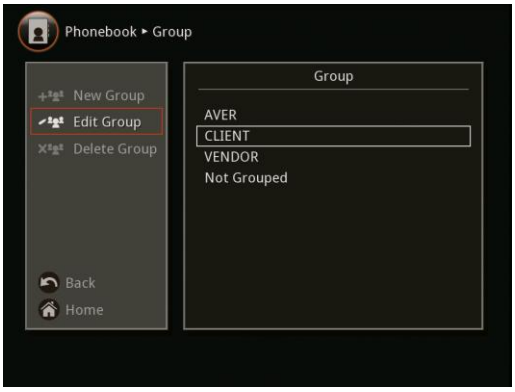
2. Select Group and press ↵.



3. Select the name you want to modify in the Group list.



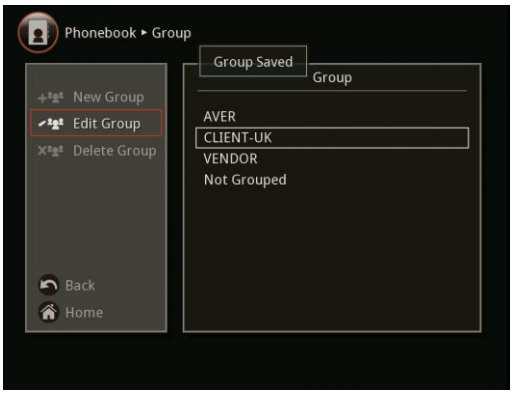
4. Select Edit Group and press ↵.



5. Use the ▲, ▼, ◄ and ► buttons to move the selection in the on-screen keyboard and press ↵ to make a selection. Select ↵ and press ↵ to save the revised group name.



6. The revised group name will be saved and displayed in the Group list.

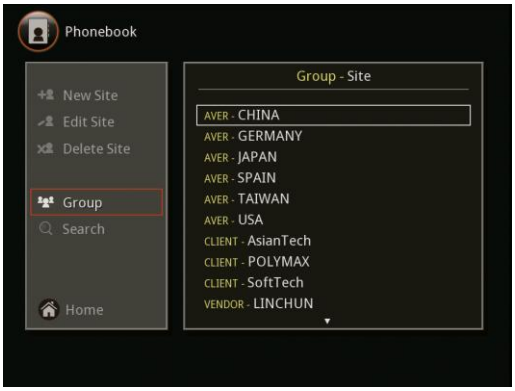


To Delete Group

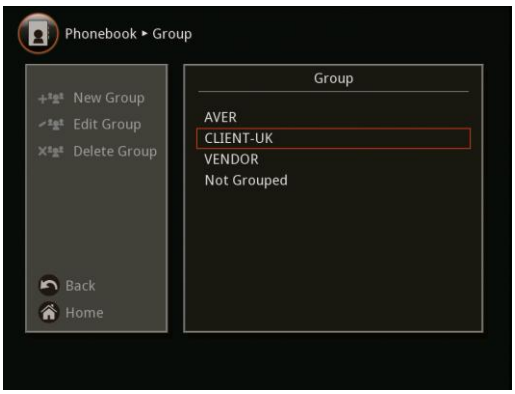
1. Select Phonebook and press ⏎.



2. Select Group and press ⏎.



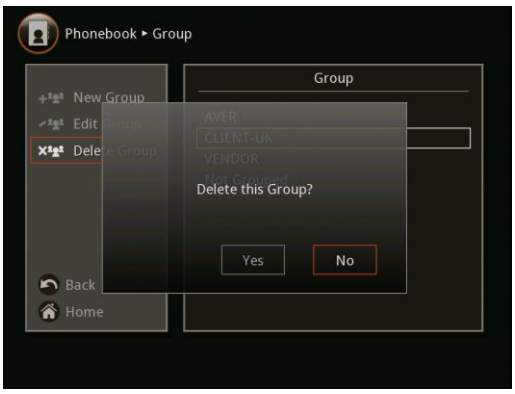
3. Select the name you want to remove in the Group list.



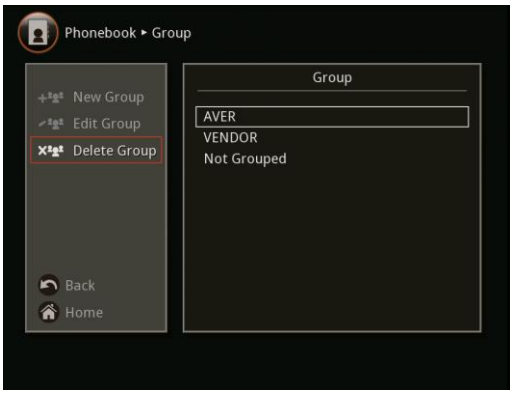
4. Select Delete Group and press ↵.



5. Select “Yes” to remove the selected group name and “No” to cancel group name deletion.



6. The selected group name will no longer appear in the group list when deleted.

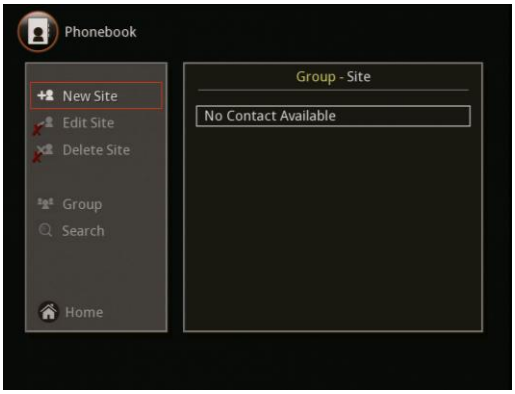


To Add Phonebook Entries

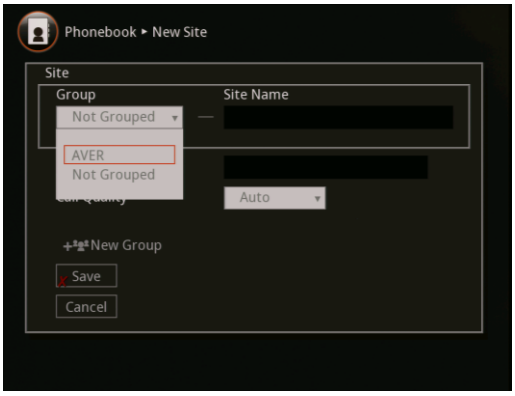
1. Select Phonebook and press ↵.



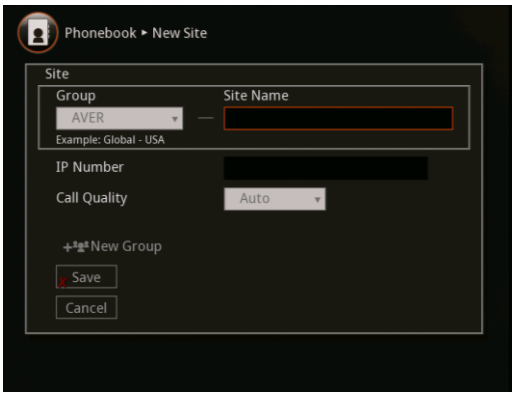
2. Select New Site and press ↵.



3. Select the group name.



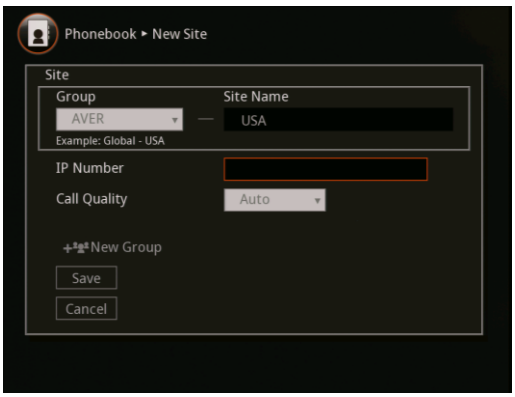
4. Select Site Name box and press ↵.



5. Use the ▲, ▼, ◄ and ► buttons to move the selection in the on-screen keyboard and press ⏎ to make a selection. Select ↵ and press ⏎ when you are done to save the new site name.



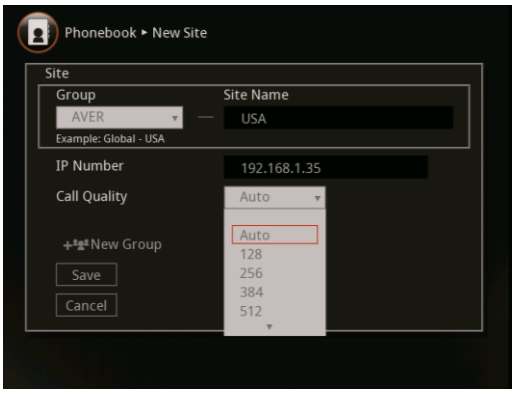
6. Select the IP address box and press ⏎.



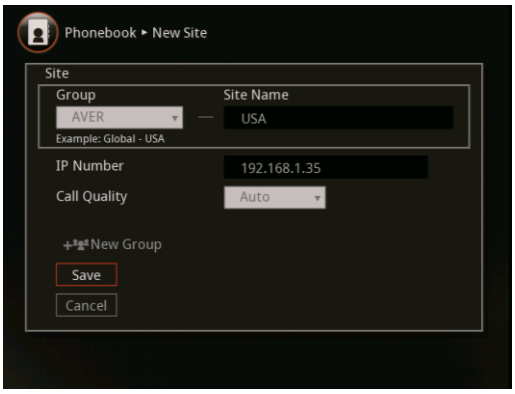
7. Use the numeric number button on the remote to enter the IP address and select ↵ to save.



8. Select the call quality value in the drop-down box and press ⏎.
   The bandwidth setting in the Auto Call Quality selection will be used when Auto is selected in Call Quality.



9. Select Save to store the newly added site contact and Cancel to undo adding contact.

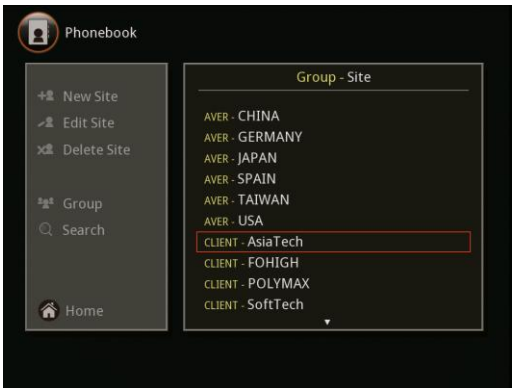


To Edit Phonebook Entries

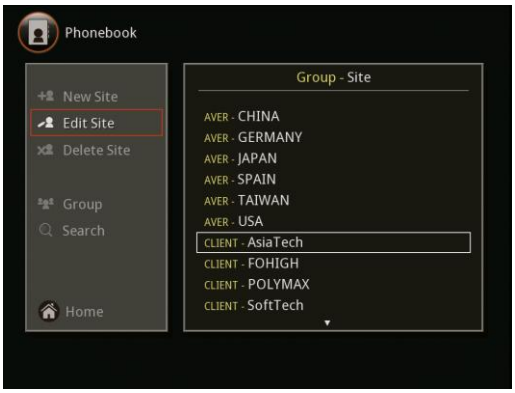
1. Select Phonebook and press ↵.



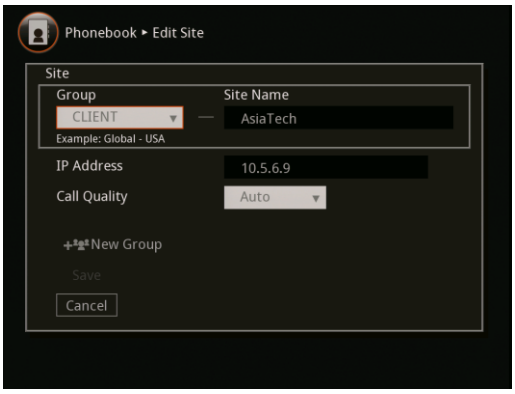
2. Select the contact you want to modify.



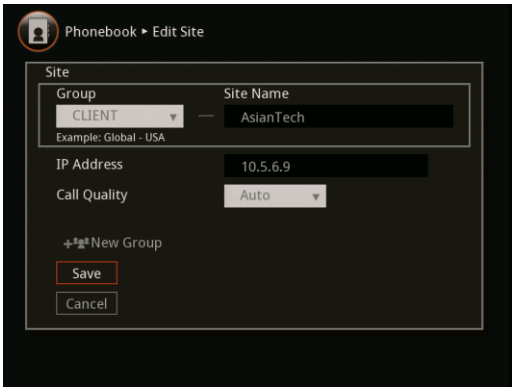
3. Select Edit Site and press ↵.



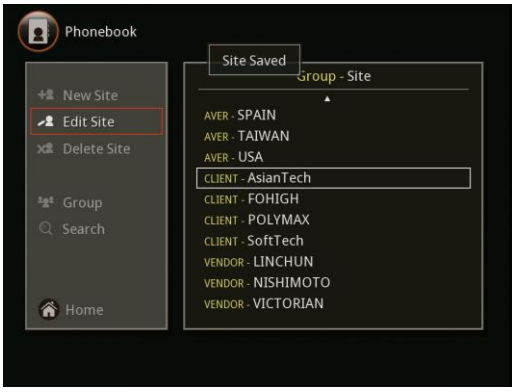
4. In the Phonebook > Edit Site, you may change the Group name, Site Name, IP Address, and Call Quality.



5. After making the changes, select **Save** to apply the new changes or **Cancel** to undo the changes and return to Phonebook menu.



6. The saved changes will be shown in the Group-Site list.

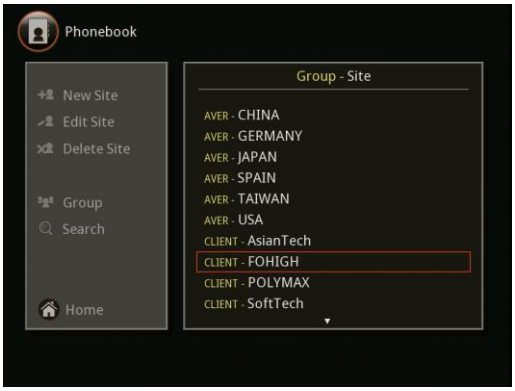


To Delete Phonebook Entries

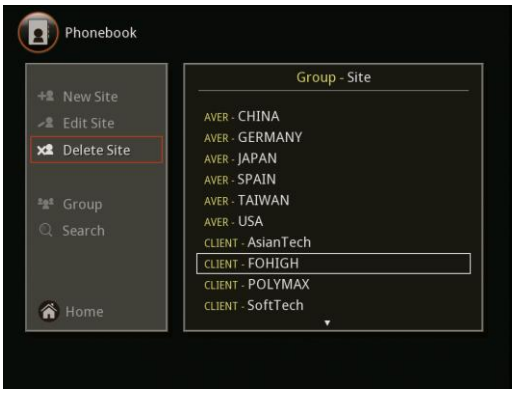
1. Select Phonebook and press ↵.



2. Select the contact you want to delete.



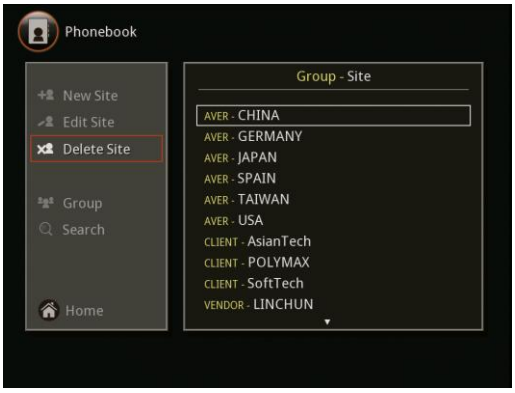
3. Select Delete Site and press ↵.



4. Select “Yes” to remove the selected contact and “No” to cancel contact deletion.



5. The selected contact will no longer appear in the group-site list when deleted.



Call History

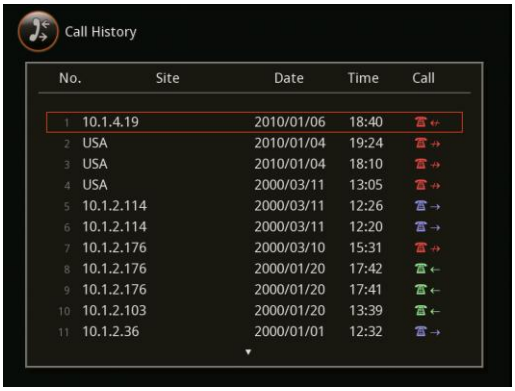
The Call History allows you to check the incoming and outgoing calls and to make a call by selecting in the Call History list. You may also find if the call is being answered or failed connection.

To Check the IN/OUT Calls

1. Select Call History and press ↵.



2. In the Call History, it will show the IP address or the Site name, Date and Time of call and Call status. Refer to the table below to check the call status.



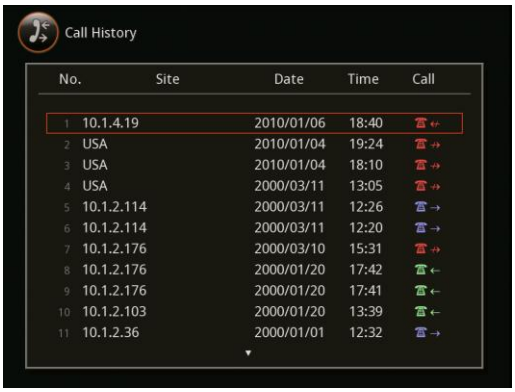
Call Status	Answered	Failed
IN		
OUT		

To Make a Call in Call History

1. Select Call History and press ↵.



2. Use the ▲, and ▼ buttons to move the selection and scroll up and down in the call history list and press ↵ to make a call.



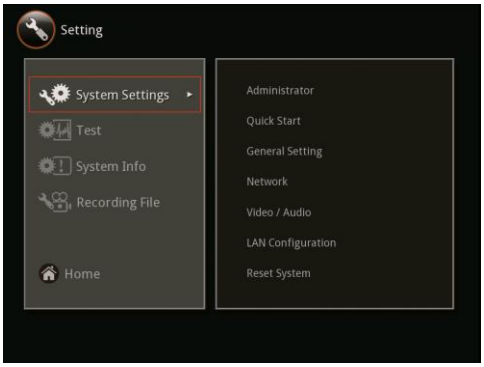
3. The call will be connected.



Setting

In the Setting menu, allows you to modify system setting, check the system info, test the system before using H300/H100 and watch the recorded file.





Administrator

The Administrator allows you to set password to prevent unauthorized user to change the system settings, access WebTool, and allow using application programming interface to remotely communicate with the unit. To avail the source codes, go to our website and contact our technical support.

Enable/ Disable Administrator Setting

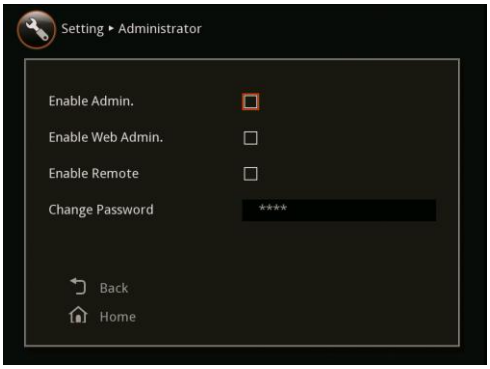
1. Select Setting and press ↵.



2. Select Administrator and press ↵.

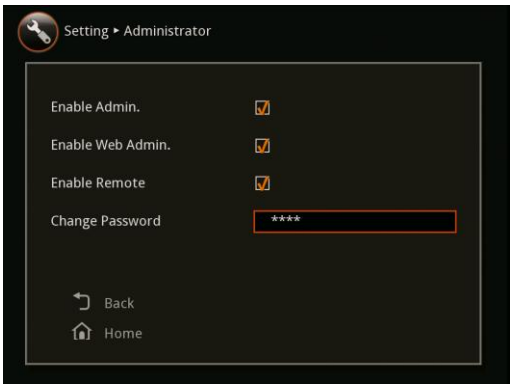


3. Select Enable Admin and press ↵ to enable/disable authorizing to change the system setting, Enable Web Admin to enable/disable using the WebTool to access the unit, and Enable Remote to enable/disable using application programming interface to control the unit.



4. If you activate all Enable Admin, Enable Web Admin and Enable Remote or any of the 3 selections, you need to change the password. Select Change Password and press ↵. Then enter the default password or the last used password.

   Note: The default password is 1234.



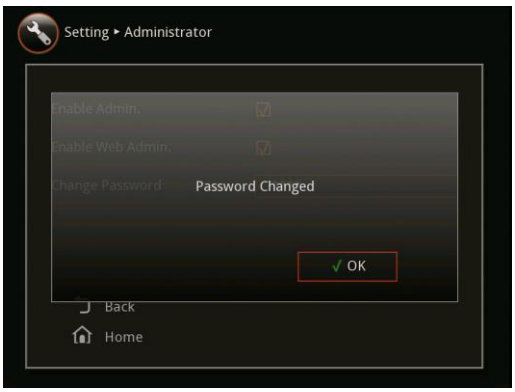
5. Use the ▲, ▼, ◄ and ► buttons to move the selection in the on-screen keyboard and press ↵ to make a selection. Select ↵ and press ↵ when you are done entering the password.



6. You will be asked to enter the password again for confirmation.

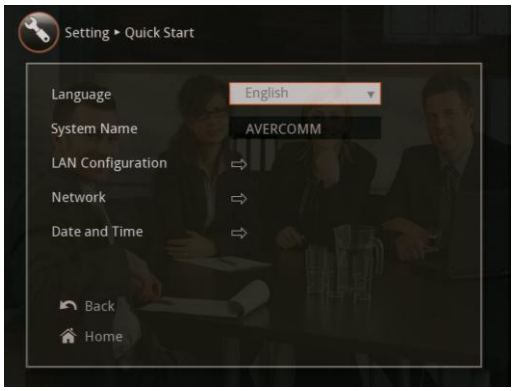


7. The entered password will be saved. Press ↵ to go back to previous menu.



Quick Start

The Quick Start is the easiest way for you to set up the system if you are using H300/H100 for the first time.

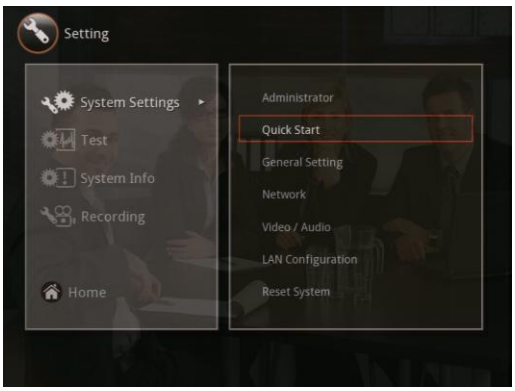


To Setup the H300/H100

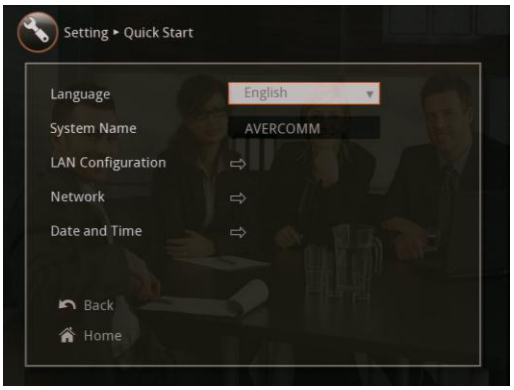


1. In the Home menu, click Setting and select System Settings > Quick Start.

   If the system is administrator password protected, you need to enter the password to change the System Settings.

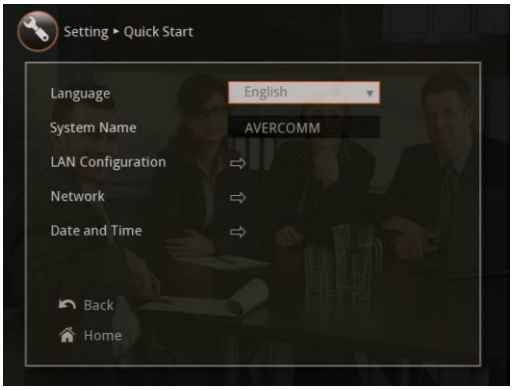


2. In the Quick Start menu, you can modify following settings:
   Language
   System Name
   LAN Configuration
   Network
   Date and Time



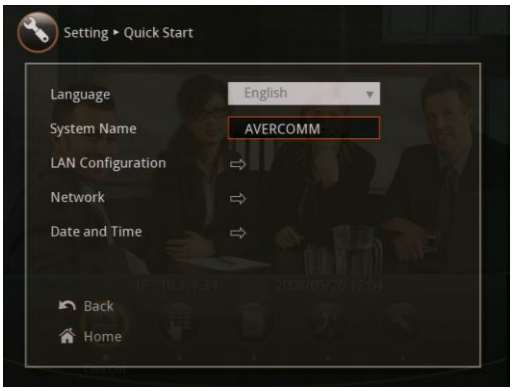
To Setup the Language

1. Select Language and press ⏎.
2. Use the ▲ and ▼buttons and select from the language you prefer.
3. Press ⏎ to change the system into the selected language.



To Setup the System Name

1. Select System Name and press ⏎.



2. Use the ▲, ▼, ◄ and ► buttons to navigate and ⏎ to make a selection.

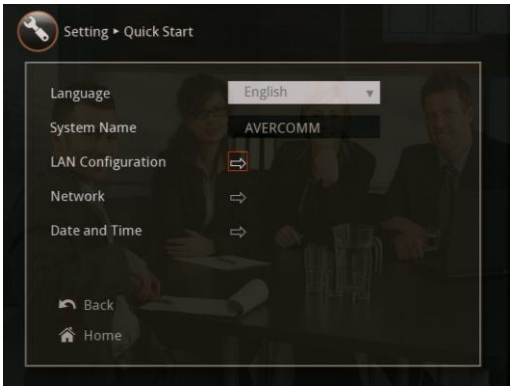
3. Select ↵ and press ⏎ to save and take effect the action and return to previous menu.

   The system name will be displayed on the screen for 5 sec after making a call or answered a call.

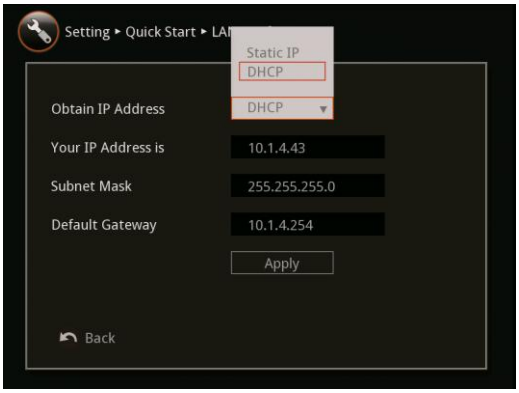


LAN configuration

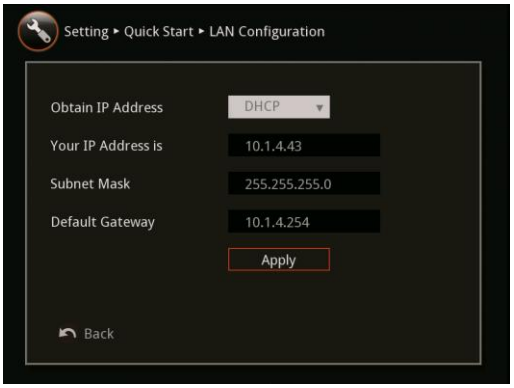
1. Select LAN Configuration and press ↵.



2. In Obtain IP Address selection, select the type of IP and press ↵.
   - **DHCP** – configures the system to automatically obtain IP address from the DHCP server.
   - **Static IP** – configures the system to use the assigned IP Address. Select this when the public IP address is available.
   - **Your IP address is** - shows the current IP address; enter info when you need to configure your IP address manually.
   - **Subnet Mask** - shows the designated IP address routing prefix; enter info when the system does not automatically obtain the subnet mask.
   - **Default Gateway** - allows traffic from one point and exit point in network; enter info when the system does not automatically obtain the gateway.

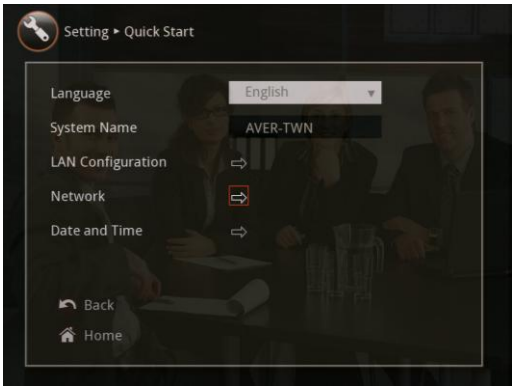


3. Select Apply and press ↵ to save the setting.



To Setup the Network

1. Select Network and press ↵.
   You may also set the network setting in Network selection. Go to Setting > System Settings > Network.

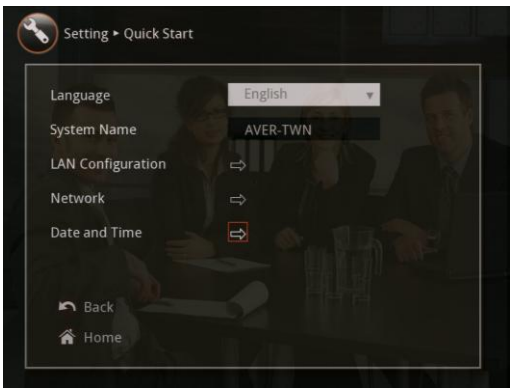


2. Select the maximum transmitting and receiving bandwidth and press ↵ to make a selection.
   - **Max. Transmitting/Receiving Bandwidth** - allows you to specify the maximum bandwidth of the outbound and inbound calls. H300/H100 system supports up to 4Mb.
   - **Auto Call Quality** - enables you to select default outbound/inbound bandwidth. This setting will be used when Auto is selected in the Call Quality setting.

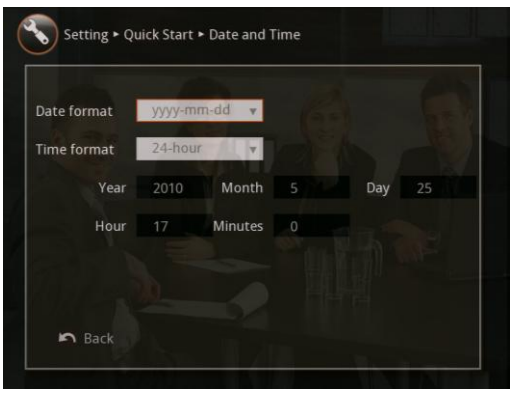


To Setup the Date and Time

1. Select Date and Time and press ↵.

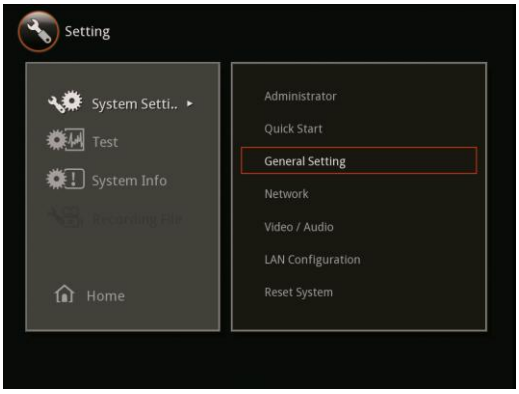


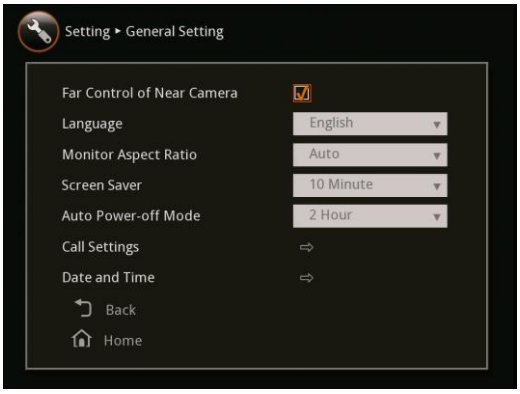
2. Select the Date and Time format you prefer and enter the date and time value.



General Setting

In General Setting, you can enable/disable Far Control of Near Camera to allow the far site to control your Camera, select the system language, set the monitor aspect ratio, enable/disable Auto Power-off mode to switch in standby mode when not in use for 2 hours, set the system to automatically answer/reject the incoming call, and setup the system date and time.



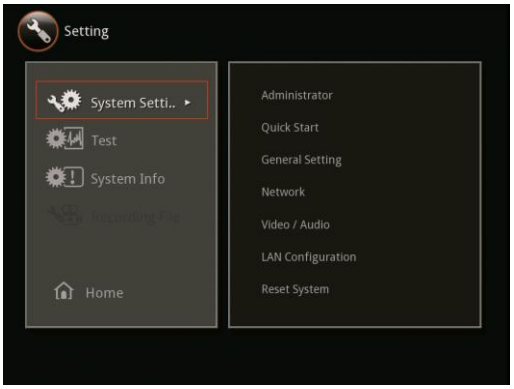


To Enable/Disable Far Control of Near Camera:

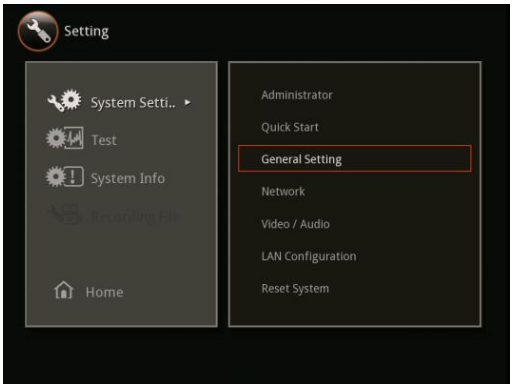
1. Select Setting and press ↵.



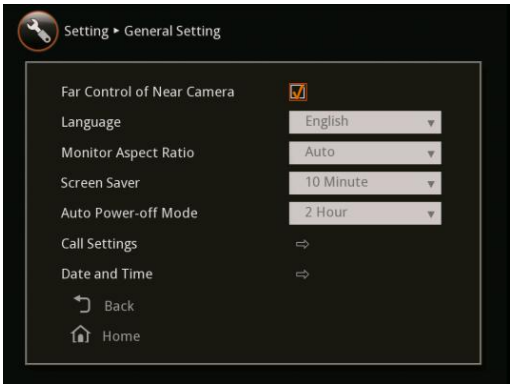
2. Select System Settings.



3. Select General Setting



4. Select Far Control of Near Camera. Enable to let the far site control your camera.

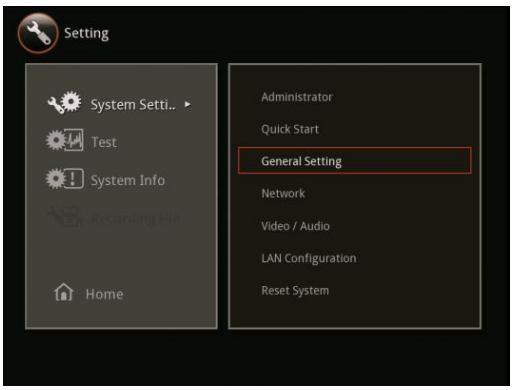


To Set the Monitor Aspect Ratio

1. Select Setting and press ⏎.



2. Select General Setting > General Setting and press ⏎.



3. Select Monitor Aspect Ratio drop-down box and press ⏎. Choose the appropriate aspect ratio of the display device you using. If you want the system to automatically detect the right setting, choose Auto. Press ⏎ to make the selection.

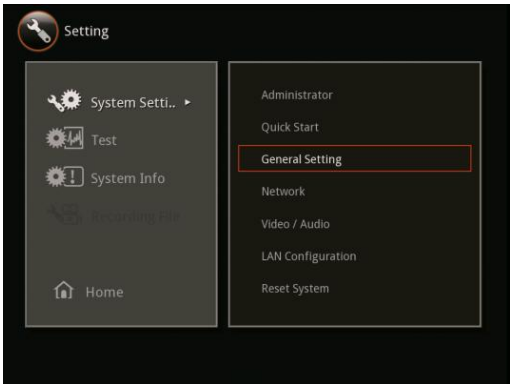


To Set the Screen Saver Timer

1. Select Setting and press ↵.

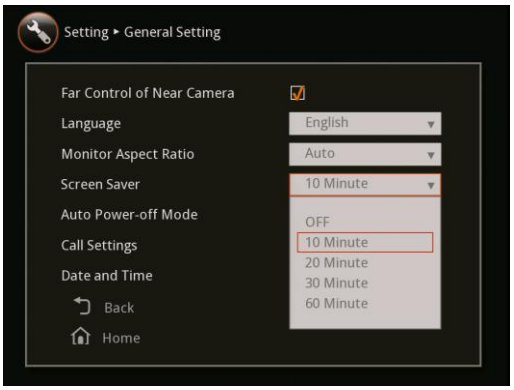


2. Select System Settings > General Setting and press ↵.



3. Select Screen Saver drop-down box and press ↵. Then select the time for the system to automatically switch to standby mode or OFF to disable this feature. Press ↵ to make a selection.

   The screen will turn black when the system is in standby mode. Press any button on the remote to wake up the system.

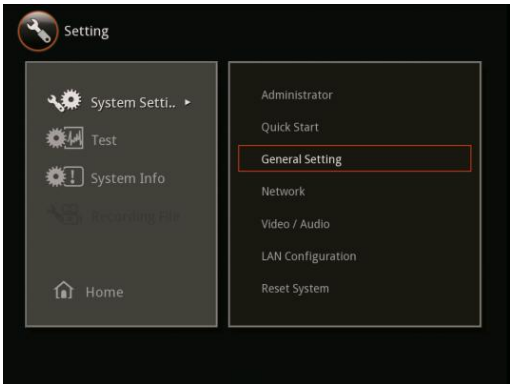


To Set the Auto Turn Off Timer

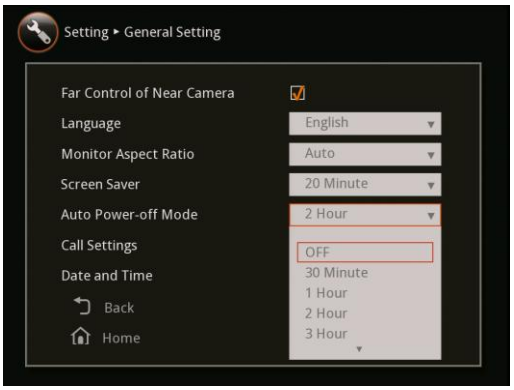
1. Select Setting and press ↵.



2. Select System Settings > General Setting and press ↵.



3. Select the Auto Power-off Mode drop-down box and press ↵. Then select the time of idle mode before the system automatically turns off or OFF to disable this feature.
   The system will completely turn off. To turn on the system you need to press the Power button on the main unit.



Call Setting

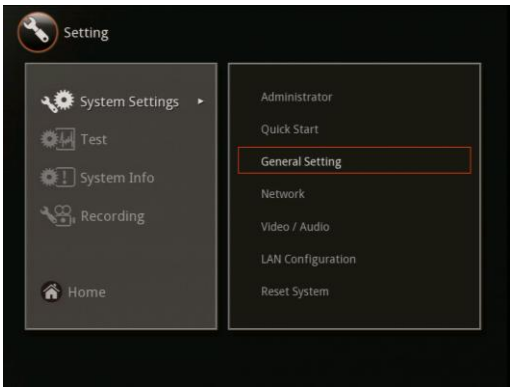
Call Setting allows you to enter or change your H300/H100 site name which will appear on the screen during the call session for the other party to identify you, set the system to enable/ disable answer the call, set the Session Initiation Protocol (SIP) settings, and enable/disable Advanced Encryption Standard which ciphers the data to protect against unauthorized data access.

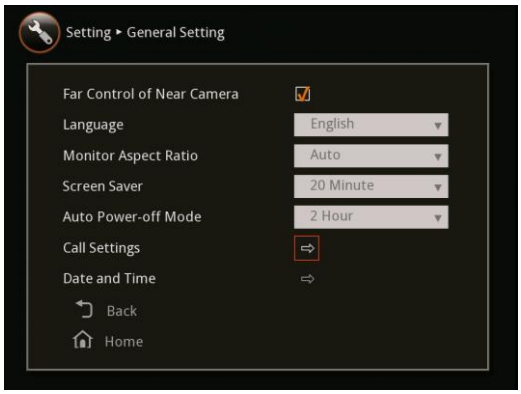
To Set the Auto Answer Setting

1. Select Setting and press ↵.



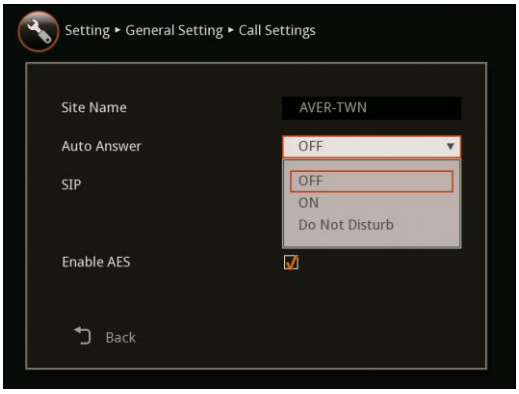
2. Select System Settings > General Setting > Call Settings and press ↵.





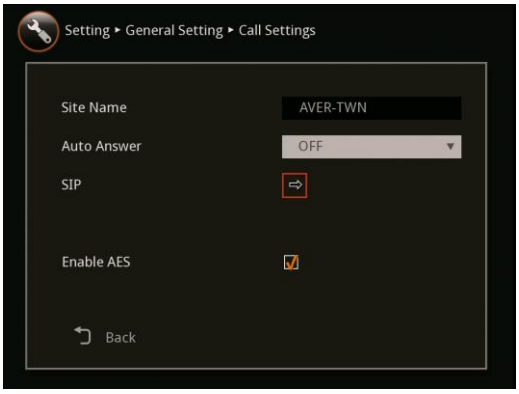
3. Select Auto Answer and press ↵. In the Auto Answer menu, select **OFF** to turn off Auto Answer, **ON** to answer the call automatically, and **Do Not Disturb** to automatically reject incoming calls.

   If you are already in a meeting, even if the Auto Answer is turned on, you need to manually accept the next call.

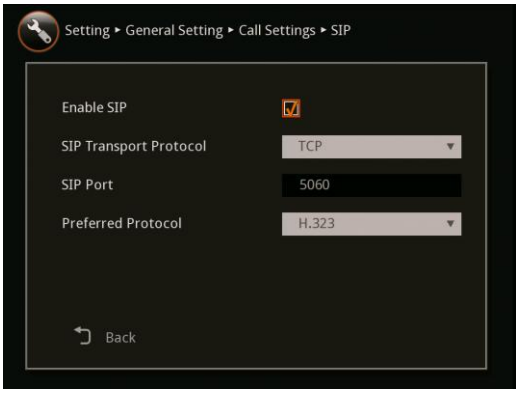


To Setup the Session Initiation Protocol (SIP)

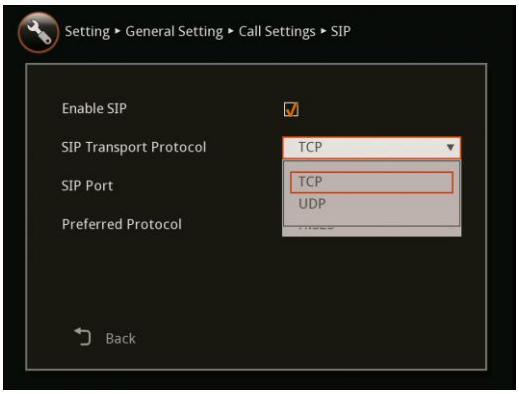
1. Select Setting> System Settings> General Setting> Call Settings > SIP and press ↵.



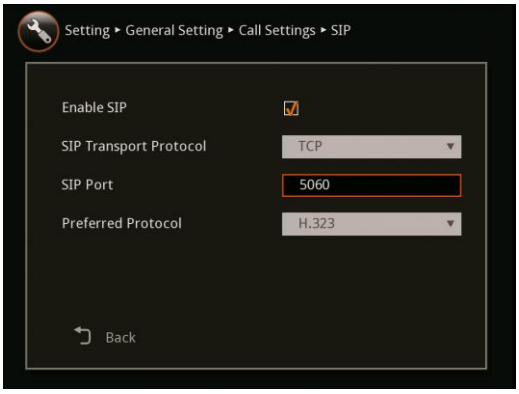
2. Select Enable SIP check box and press ↵ to activate/deactivate using SIP.



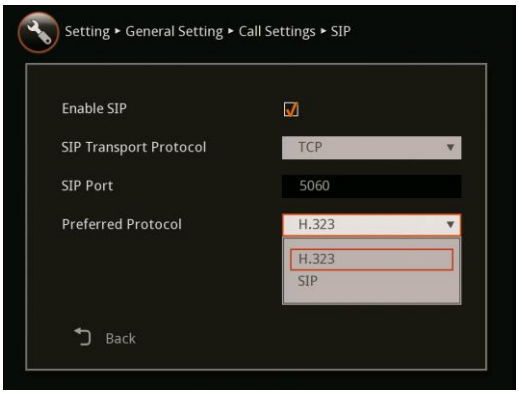
3. Select the SIP Transport Protocol and choose the type of transport protocol.
   To ensure connection, verify if both calling parties are using the same transport protocol. The default setting is UDP.



4. Set the SIP Port.
   Change this value only if you use specific setting in your network system. The default SIP port setting is 5060.

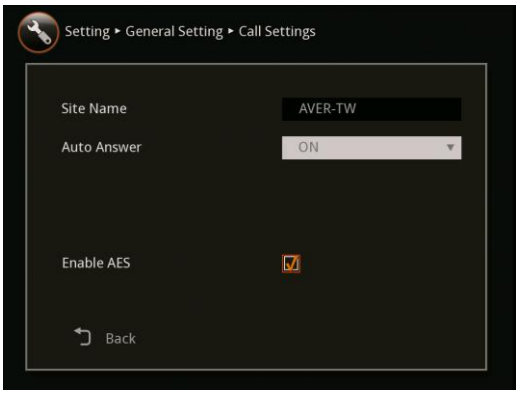


5. Select the Preferred Protocol and choose which type you want the system to use as your first priority. If the system is unable to establish the call, it will select the other one.



To Enable/Disable Advanced Encryption Standard

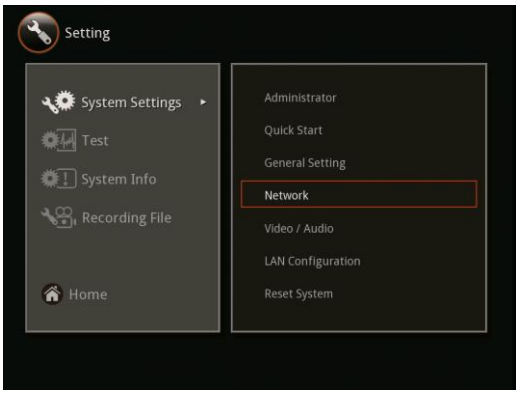
Advanced Encryption Standard (AES) encrypts the data that is being transmitted while doing the video conferencing to provide high protection against unauthorized data access and can only be read with the device that also support this standard. The other party must support AES to be able to use this feature. If not, the data will not be encrypted.



To activate AES, select Setting in the home menu > System Settings > General Setting > Call Settings > Enable AES and press ↵ to active/deactivate the feature.

Network

Network allows you to setup the network bandwidth, auto call quality, gatekeeper and firewall setting.

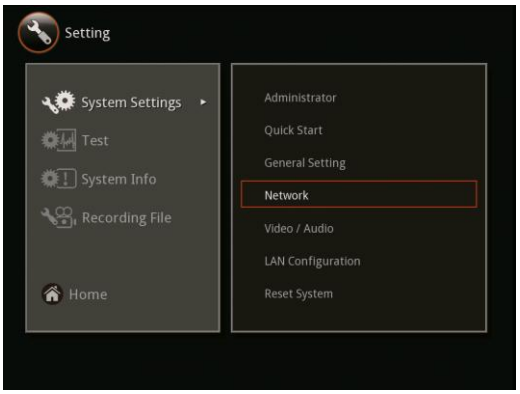




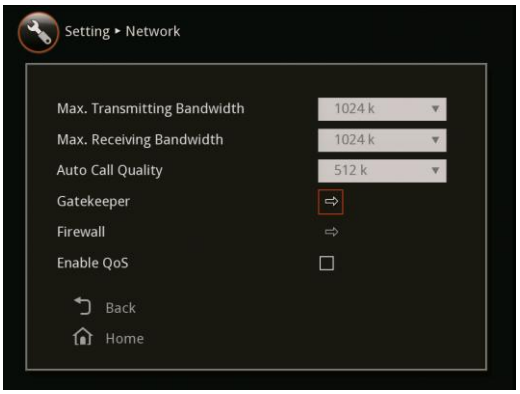
To Set the Gatekeeper

1. Select Setting > System Settings > Network and press ↵.

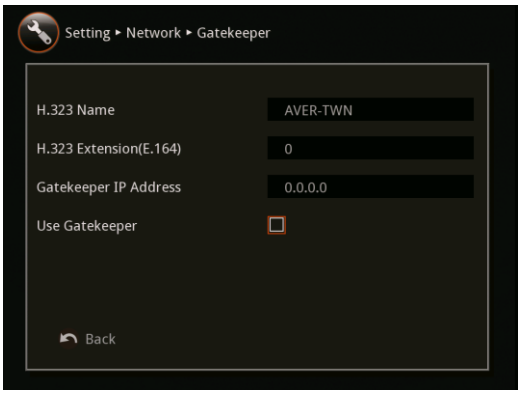




2. Select Gatekeeper and press ↵.



3. The Gatekeeper in H300/H100 serves the purpose of translating services from E.164 IDs to IP addresses in an H.323 network.



   Select the following to setup the Gatekeeper.

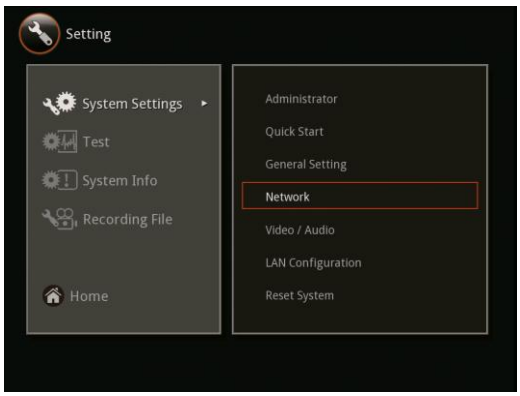
   - **H.323 name:** gatekeeper will use this name to identify your system.
   - **H.323 Extension (E.164):** enter numeric data for gatekeeper to use to identify your system.
   - **Gatekeeper IP Address:** enter IP address for the gatekeeper server.
   - **Use Gatekeeper:** activate/deactivate gatekeeper.

To Set the Firewall

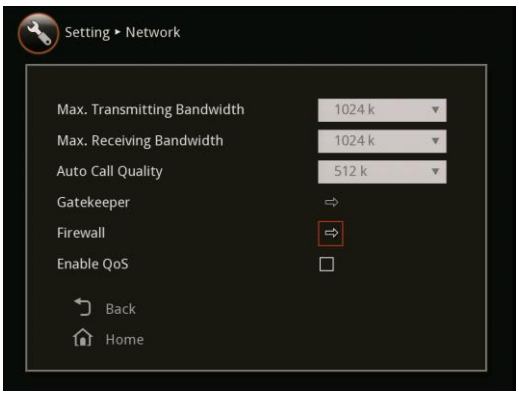
Make sure to setup the Gatekeeper before setting up the Firewall.

1. Select Setting > System Settings > Network and press ↵.

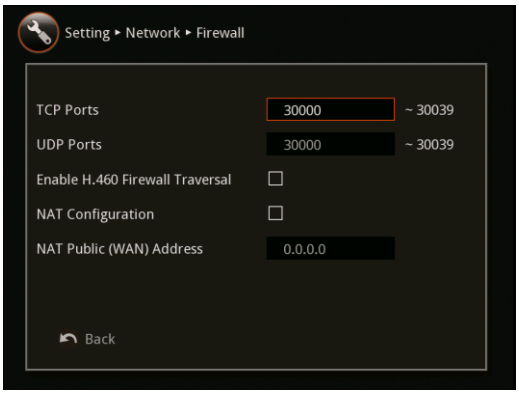




2. Select Firewall and press ↵.



3. H300/H100 support firewall traversal of H.323 calls.



Select the following to setup the Firewall.

- **TCP/UDP ports:** By default, the system communicates through TCP/UDP ports in the range from **30000** to **30039**. You can specify the range for your network environment.

Note: You must configure your firewall to allow inbound/outbound traffic through TCP port 1720/1719 for H.323 call set up

- **Enable H.460 Firewall Traversal:** The gatekeeper must support this feature and register to dedicate gatekeeper for the system.
- **NAT Configuration:** H300/H100 supports NAT system that use internal IP address to communicate with other devices outside the LAN.
- **NAT Public (WAN) Address:** The NAT public address must be entered when you enable the feature on NAT configuration.

To Enable/Disable Quality of Service



Quality of Service (QoS) provides different priority data flows or to guarantee a certain level of performance in video conferencing data flow.

To activate QoS, select Setting in the home menu > System Settings > Network > Enable QoS and press ↵ to active/deactivate the feature.

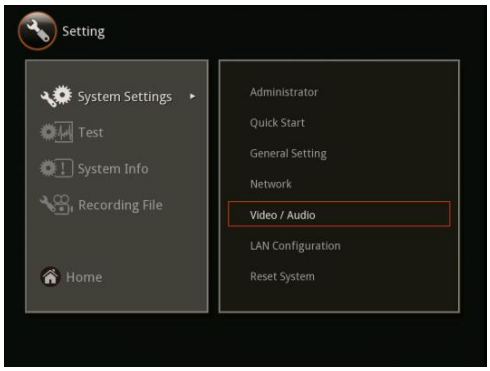
Video /Audio

In Video Audio setting, you can enable/disable keypad tone, set the MIC gain level, select the preferred video and audio codec.

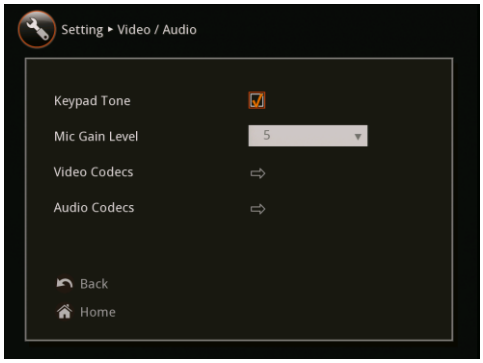
To Enable/Disable keypad tone

1. Select Setting > System Settings > Video/Audio and press ↵.





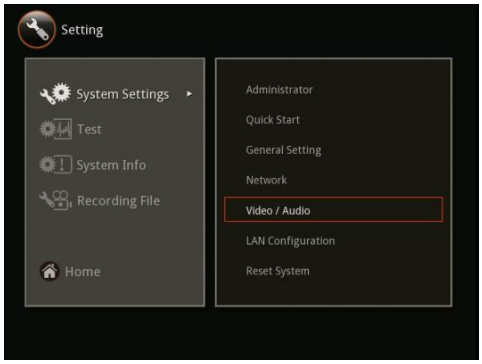
2. Select Keypad Tone check box and press ↵. This will enable/disable to hear the tone sound when you are dialing the number using the remote control.



To Adjust the Mic Gain Level

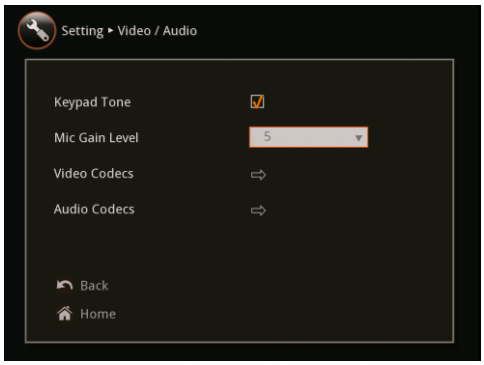
1. Select Setting > System Settings > Video/Audio and press ↵.





2. Select Mic Gain Level and press ↵. Select from the mic gain level up to 9.

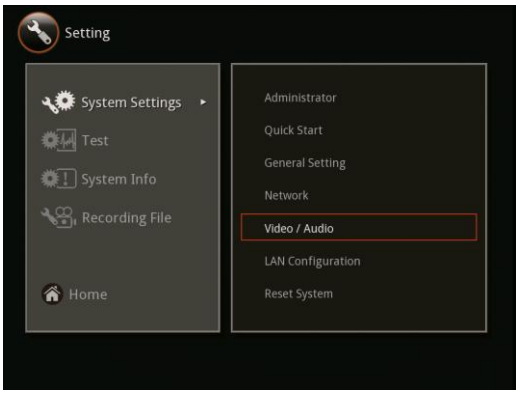
   H300/H100 allows you to adjust mic gain level for the proper MIC volume and this will help to get better reception on MIC.



To Specify the Video/Audio Codec

1. Select Setting > System Settings > Video/Audio and press ↵.



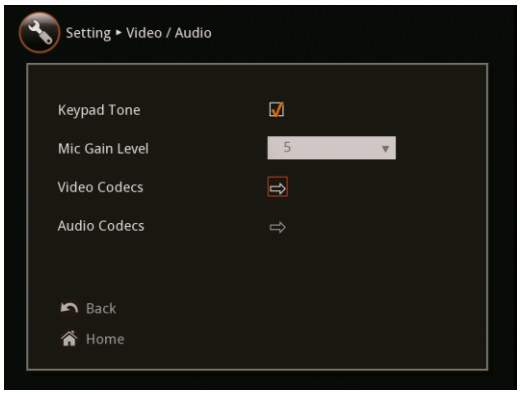


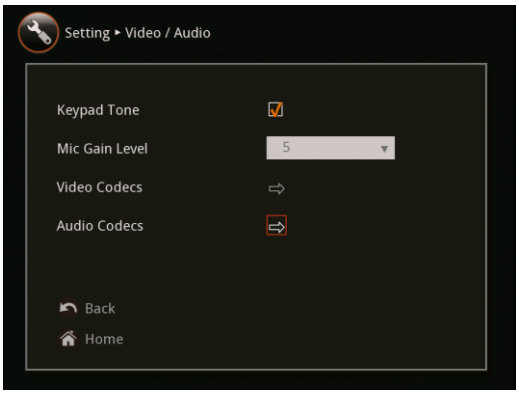
2. Select Video/Audio Codecs and press ↵ to specify the codec you want to support. H300/H100 support H.323 standard coding algorithm, each codec has unique properties and performs best given a certain set of circumstances.

   For Video : H.264, H.263+, H.263, H.261

   For Voice : G.728, G.722.1C, G.722.1, G.722, G.711

   Please contact system administrator if you have any question on these codecs.

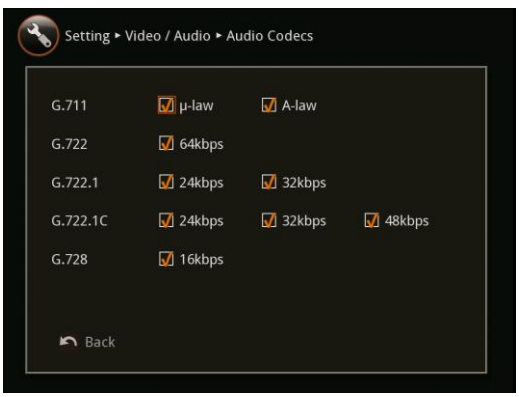




↓↓



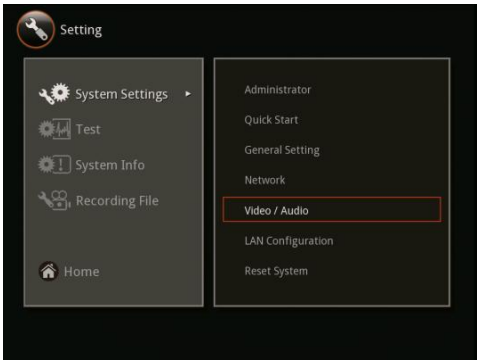
↓↓



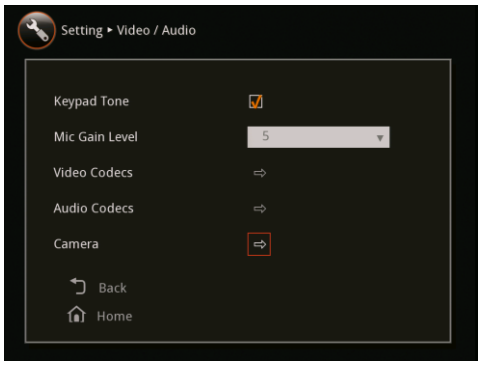
To Set the Camera White Balance Setting

1. Select Setting > System Settings > Video/Audio and press ↵.



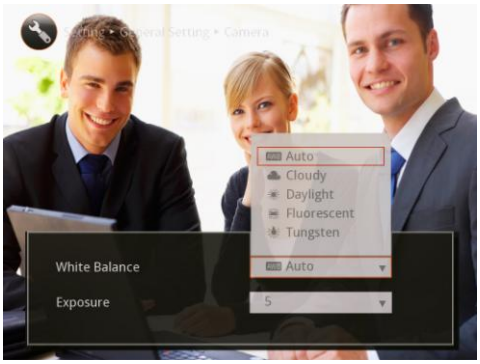


2. Select Camera > White Balance drop-down box and press ↵.





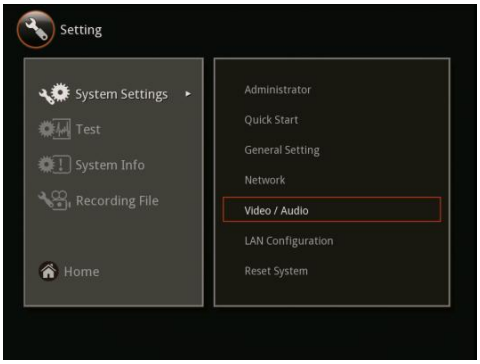
3. Select the type of mode you prefer and press ↵.



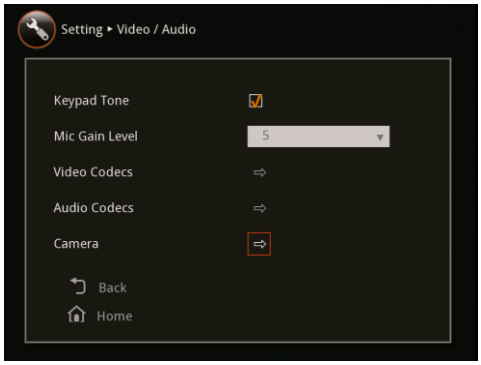
To Set the Camera Exposure Setting

1. Select Setting > System Settings > Video/Audio and press ↵.





2. Select Camera > Exposure drop-down box and press ↵.





3. Select the type setting you prefer and press ↵.



Reset System

Reset System allows you to restore the system back to factory setting, clear phonebook entries, and call history. Make sure to back up the information before resetting the system.

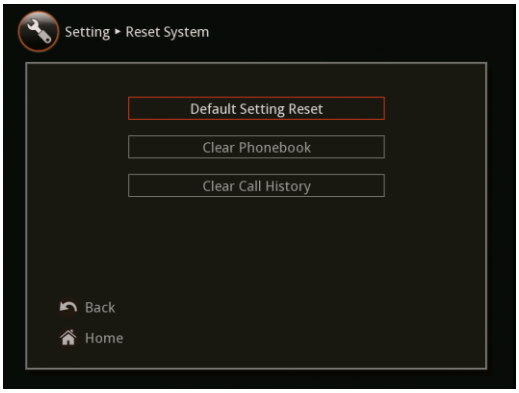
To Reset the System

1. Select Setting > System Settings > Reset System and press ↵.





2. Choose from the selections to reset the system, clear phonebook, or clear call history.



- **Default Setting Reset:** LAN configuration, video/audio codec selection and call settings will be reset.
- **Clear phonebook:** all the phonebook entries stored in the system will be deleted.
- **Clear Call History:** all the incoming and outgoing call record will be deleted.

Setting the Camera Preset Point

You can set the camera preset point on or before the call session.

To Set the Camera Preset Point:

1. Run the H300/H100, the Home menu will appear. Select **Cam Ctrl** to adjust the visual angle of the camera.
2. Adjust the camera to the view you want using the ▲,▼,◄, & ►, and Zoom +/- buttons of the remote.
3. Press/hold the PRESET button on remote for 3 sec to save the position of the camera as the preset point.
4. To recall the preset point of the camera, press PRESET.



Testing the Network

This feature tests the network ability between local and far site. It also includes the audio and video acknowledge.

To Test the Network:

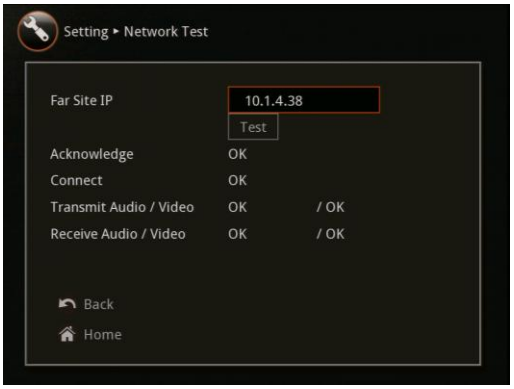
1. In the Home menu, click Setting.



2. Select Test > Network Test.



3. Enter the Far Site IP address. Select Test and press ↵. You may also contact our technical support for IP address to test your unit.



4. You will be able to see the test result for **Acknowledge**, **Connect**, **Transmit Audio/Video** and **Receive Audio/Video**. When the call is connected. The result will indicate OK on each section; if not, please contact your system administrator. To disconnect, press Hang Up.



To Test the Video and Audio:

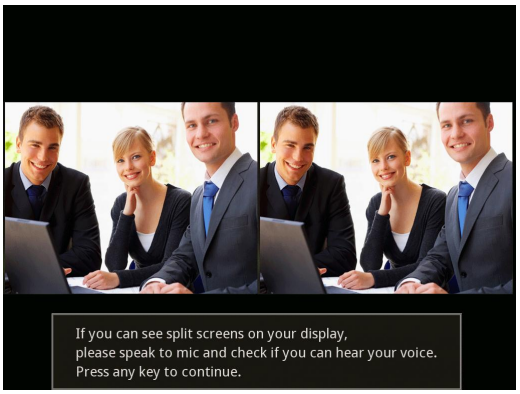
1. In the Home menu, click Setting.



2. Select Test > Video/Audio.



3. You will be able to see two identical video displays to show that your video is working. To test the speaker and mic, speak on the mic. If you can hear your voice, it means your speaker and mic are working. Press ↵ to exit.



Update the Firmware System:

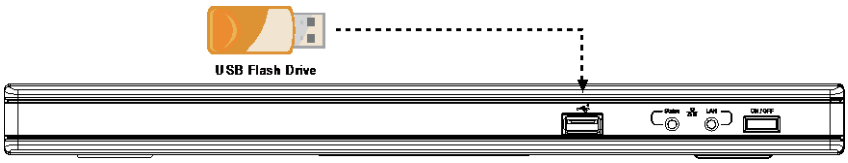
The firmware can be updated in two ways either using the USB flash drive or webtool. First you need to download the file from our website and save it either in the USB flash drive or computer. To see the latest AVer product information, visit our web site or contact us at: cs.avi@aver.com

To Update Firmware via USB Flash Drive

Please follow these simple instructions to update your AVer system using a USB flash drive. **Do not insert the USB flash drive till the AVer has completely start up.**

1. Download the firmware file from our website and save it in the USB flash drive.
2. Power on the AVer system.

3. Once the system has started up, insert the USB Flash drive into the USB Port of the AVer System.



4. The system will automatically detect and install the firmware from the USB flash drive. Select Yes to continue and update system and No to cancel this process.

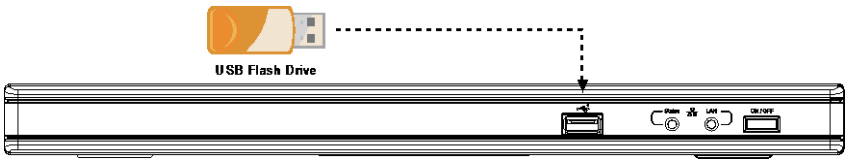


5. Once the firmware update has been completed, the system will restart. The firmware file in the USB flash drive will be deleted automatically once the update is completed. **Do not turn off the system while the update is in progress.**

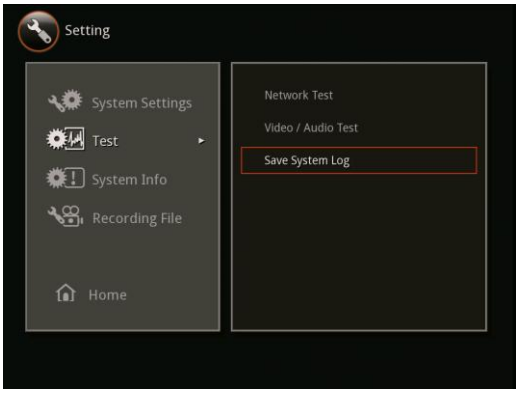
To Save and Send the System Log:

For some unknown instances, you encounter something and unsure of how to troubleshoot the unit, sending us the saved system log data could help us analyze the problem and provide the answer you need.

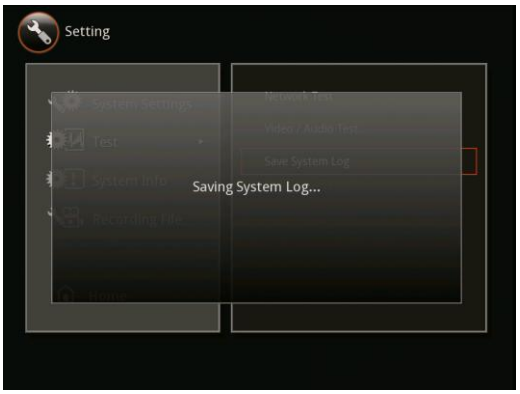
1. Insert the USB Flash drive into the USB Port of the AVer System.



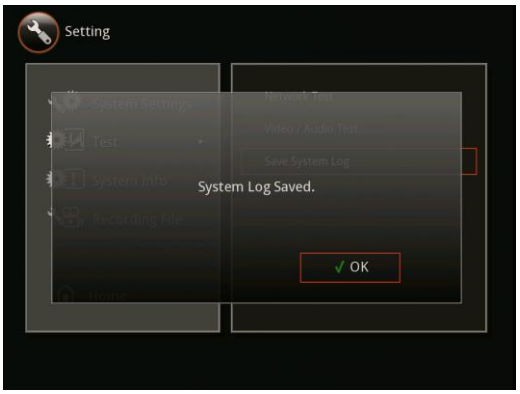
2. In the Home menu, click Setting > Test > Save System Log and press ↵.



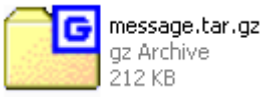
3. The system log will be saved in the USB Flash drive.



4. After the file is saved, press ↵.



5. Remove the USB Flash drive and insert it to your computer USB port. Locate the file message.tar.gz and send it to your technical support team.

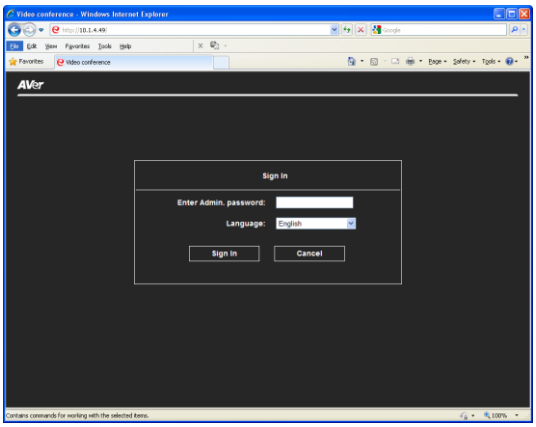


Managing the AVeComm System Using the WebTool

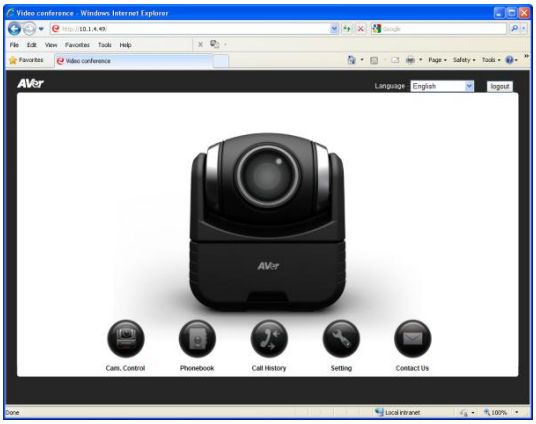
The WebTool allows you to access AVer HVC system from the remote site by using the internet browser. You can view the camera and control screen interface and remote control; access the Phonebook to add, edit and delete entries; view and download the call history and add the call in phonebook entry; Update the system, download and restore to your previous setting; and link you to our global website.

To Access AVer HVC using the Internet Browser:

1. Type your IP address in the internet browser address bar. The Enable Web Admin must be activated and you need to enter the admin password to sign in.



2. In the WebTool page, you can access the following:



- **Cam. Control** – allows you to view the camera, and access the screen interface and remote control.
- **Phonebook** – allows you to add, edit, delete, download and upload the phonebook entries.
- **Call History** – allows you to add contact in the phonebook, download call history and call from the list.
- **Setting** – allows you to update the system, download and restore the system, and get the test report.
- **Contact US** – links you to our global website.

To use the Cam. Control in WebTool

1. In WebTool page, click Cam. Control.

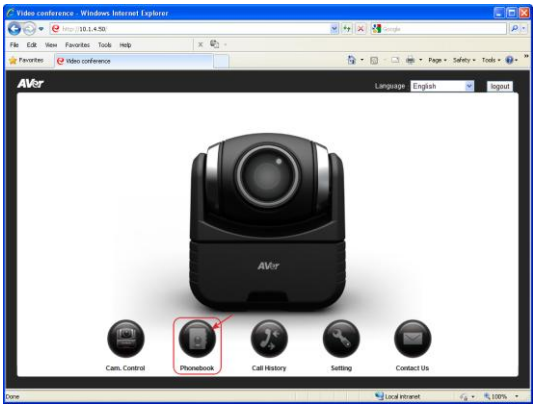


2. The video screen and remote control will appear. You can use all the buttons on the screen and remote like you normally do when you use your HVC. To return to WebTool main page, click .

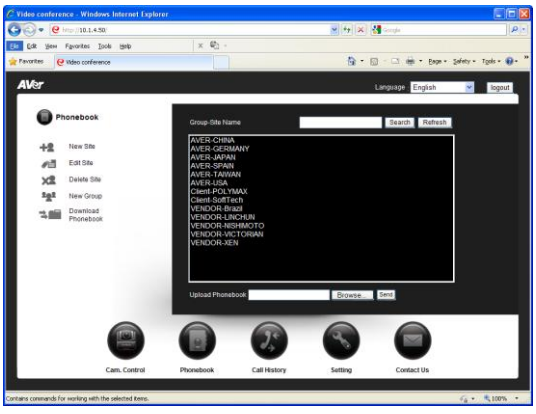


To Add, Edit and Delete Phonebook using WebTool:

1. In WebTool page, click Phonebook.

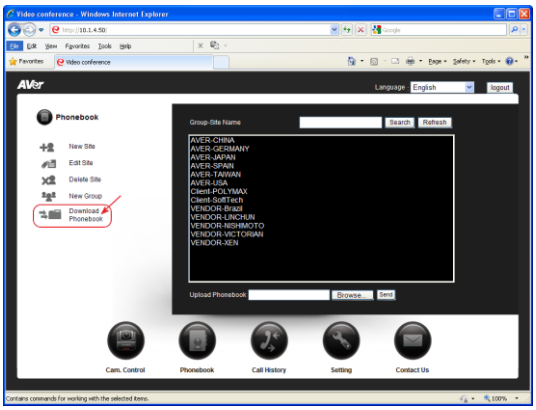


2. In Phonebook page, you can work on the phonebook entry by clicking the New Site, Edit Site, Delete Site and New Group.
   You can also download the phonebook entries and upload it to another AVer HVC unit. The saved file can be edited using the MS Excel.

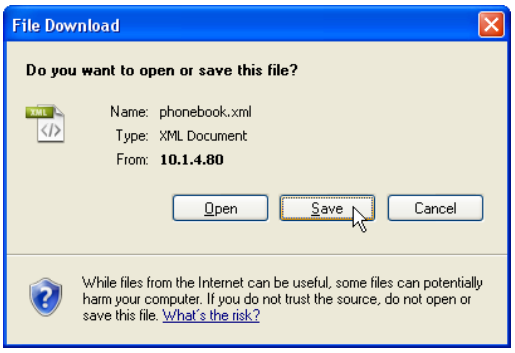


To Download Phonebook Entries in WebTool:

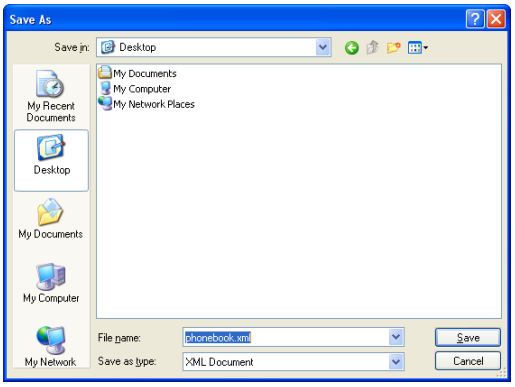
1. Click Download Phonebook.



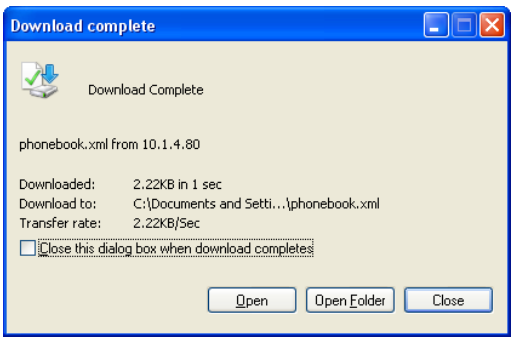
2. You will be prompt to open, save or cancel the operation. Click Save.



3. Locate on where you want to save the file. Click Save.

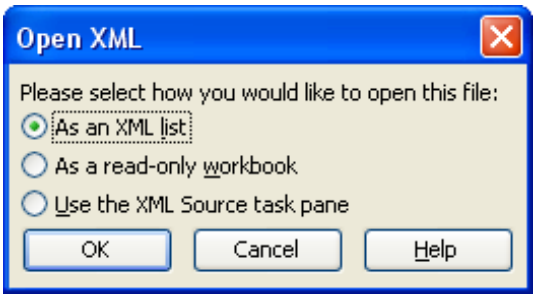


4. You will be prompt to open the file or close the message box when the download is compete.

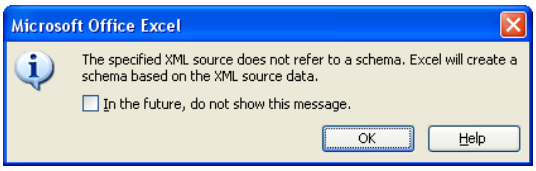


To Edit and Save the Downloaded Phonebook Entries :

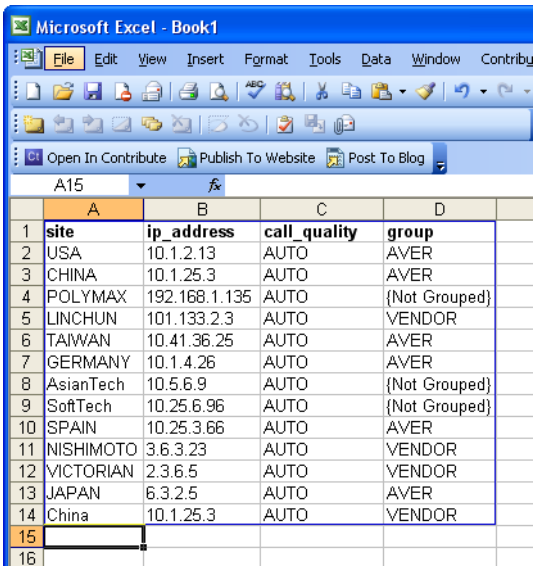
1. Locate and open the file using MS Excel and select As an XML list. Click OK.



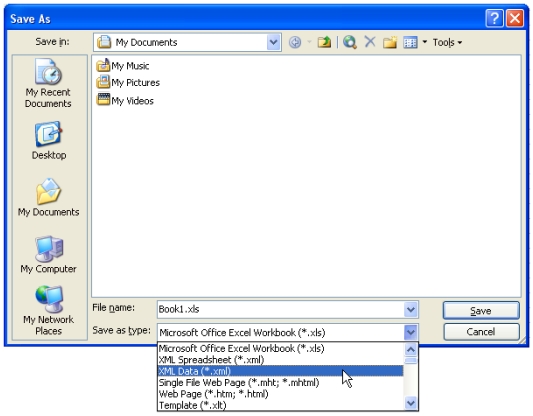
2. Click ok to create a schema based on the XML source data.



3. You may now edit the file.

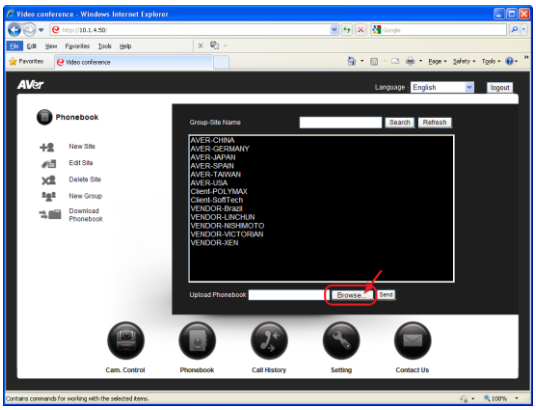


4. Make sure to save the file as XML Data to be able to upload the file back to the system.

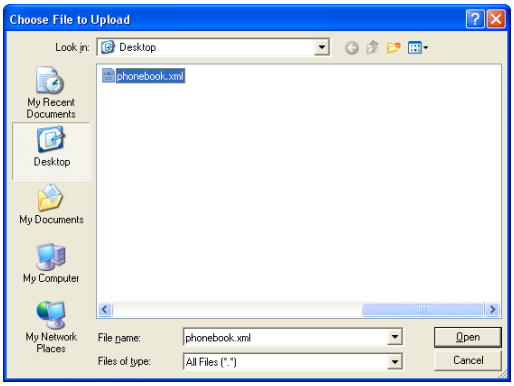


To Upload Phonebook Entries in WebTool:

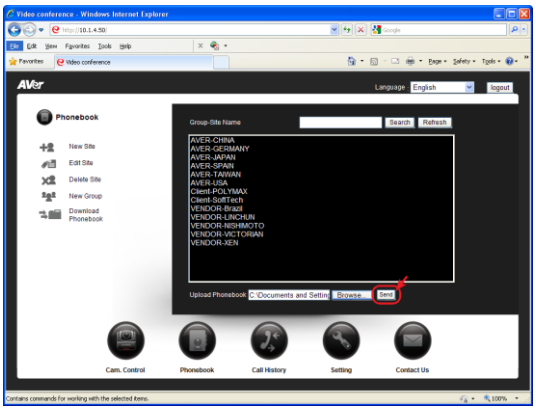
1. Click Browse... and locate the phonebook entries xml file you wish to upload.



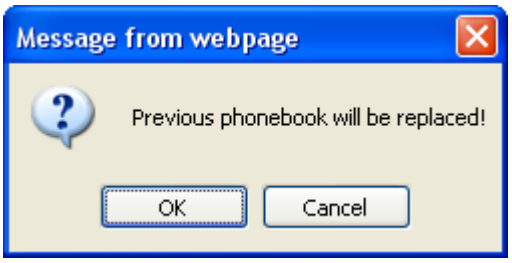
2. Select the xml file and click Open.



3. Click Send.



4. Click OK to replace the existing phonebook in the system with the new one.

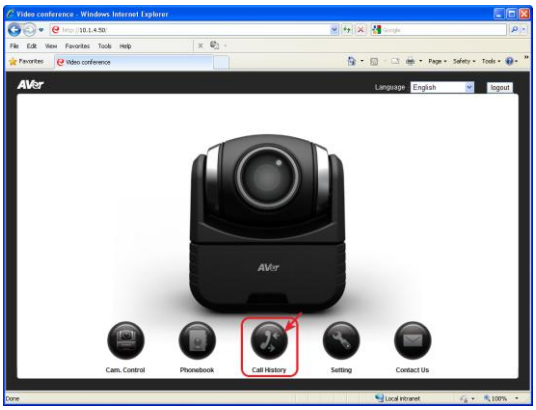


5. You will be notified when you have successfully uploaded the file. Click OK.

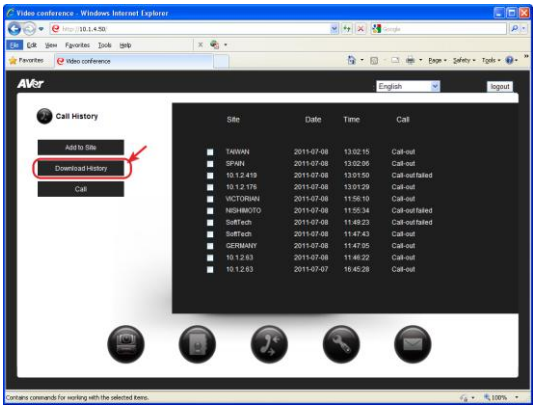


To Download Call History in WebTool:

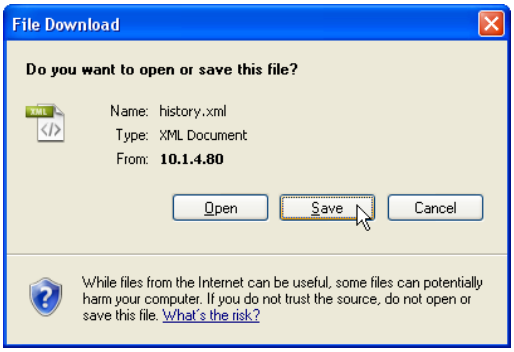
1. Click Call History in WebTool page.



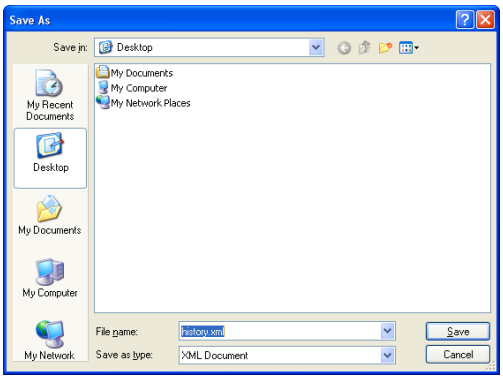
2. Click Download History.



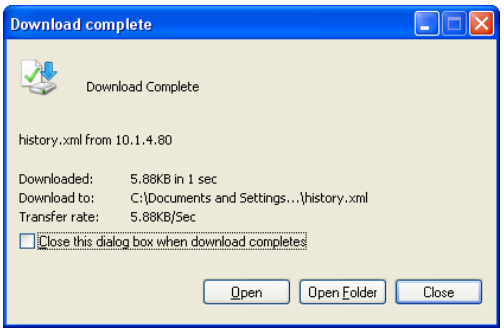
3. You will be prompt to open, save or cancel the operation. Click Save.



4. Locate on where you want to save the file. Click Save.

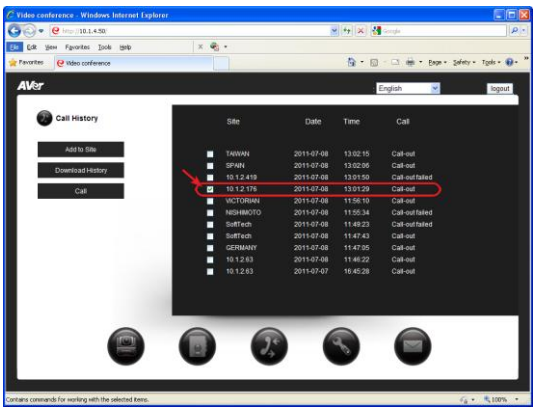


5. You will be prompt to open the file or close the message box when the download is compete.

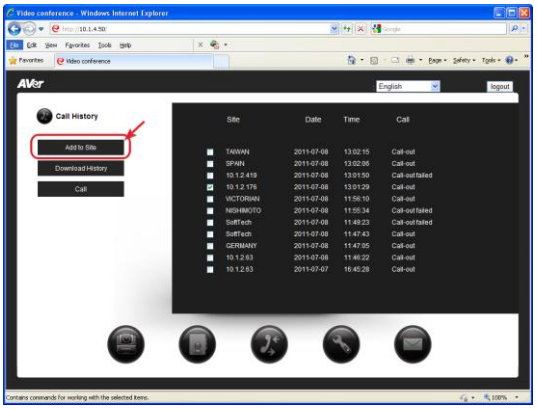


To Add Phonebook Entry from the Call History list:

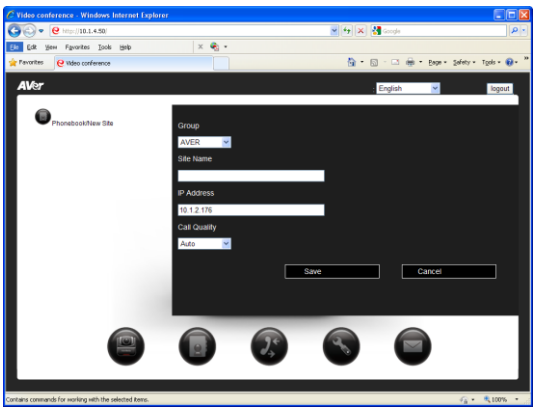
1. Select in the call history list and enable the check box you want to add in the phonebook entry.



2. Click Add to Phonebook.

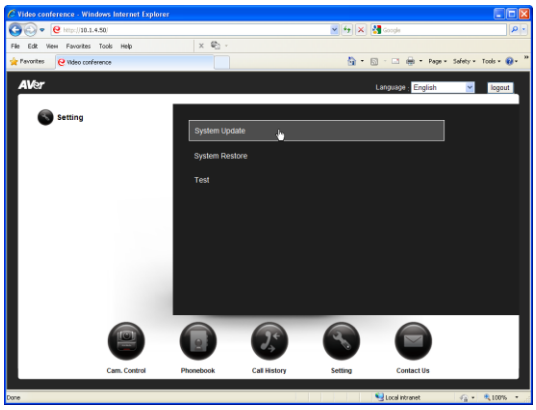


3. Select the Group, enter the site name and select the Call Quality. Then click save.
   The new entry will be listed in the phonebook.



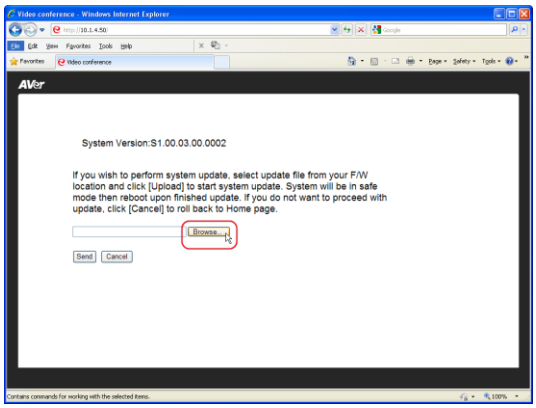
To Update the System:

1. Go to our website and download the latest firmware update/service note file. Then Click Setting > System Update.



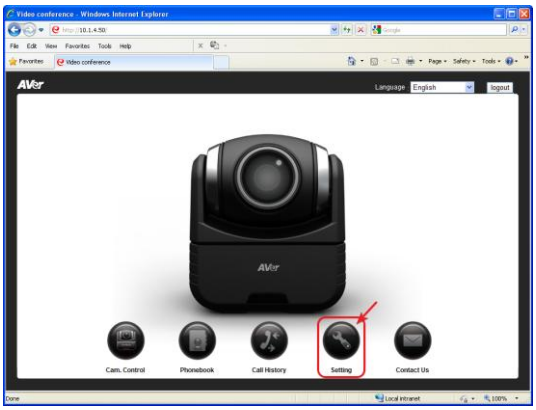
2. Click Browse and locate the file on where you save the firmware update/service note file.

   Click Send to proceed the system update and Cancel to stop this operation.

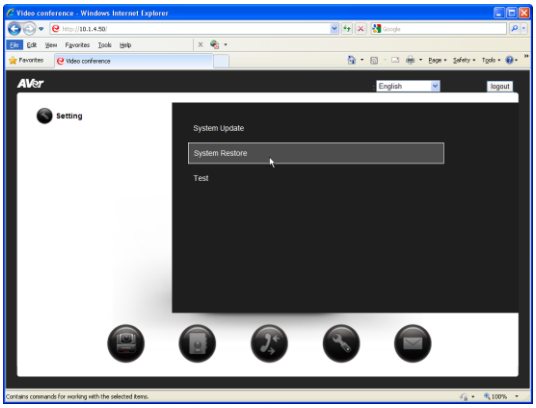


To Back up the System Setting:

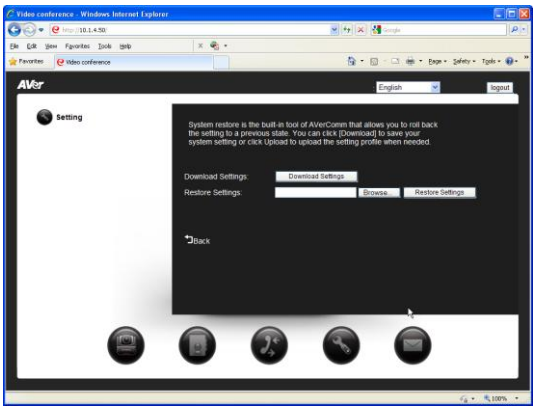
1. Click Setting.



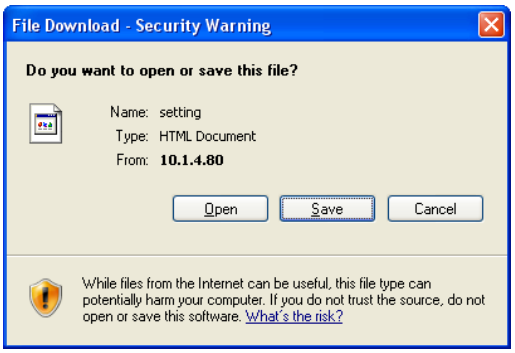
2. Click System Restore.



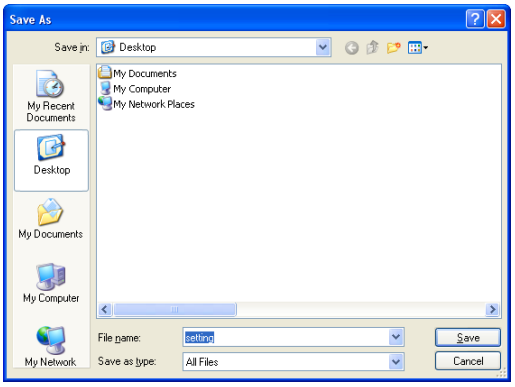
3. Click Download Settings.



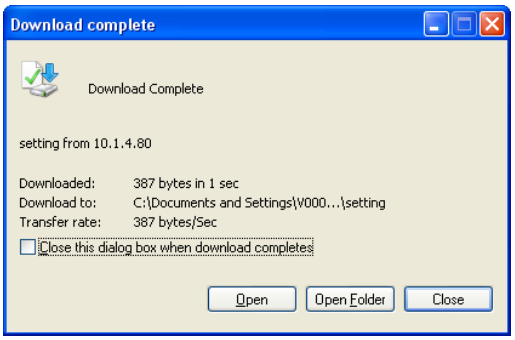
4. You will be prompt to open or save the file. Click Save.



5. Click Save.

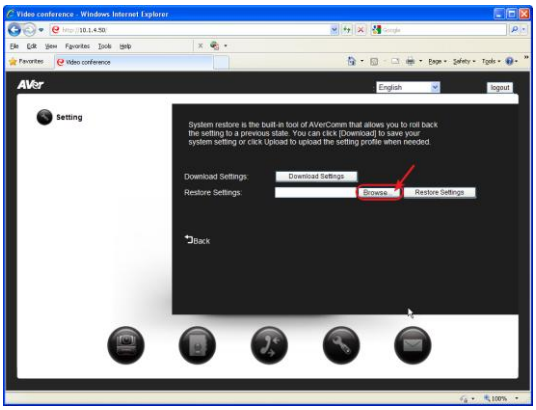


6. You will be prompt to open or close the message box. Click Close.

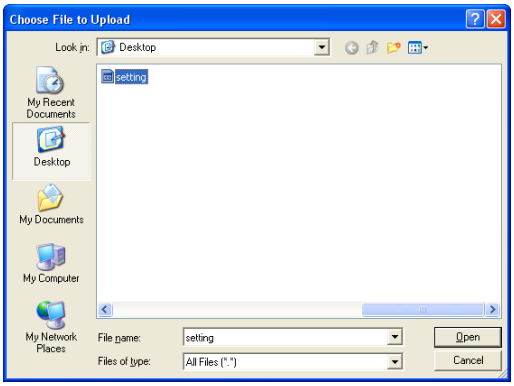


To Restore the System Setting:

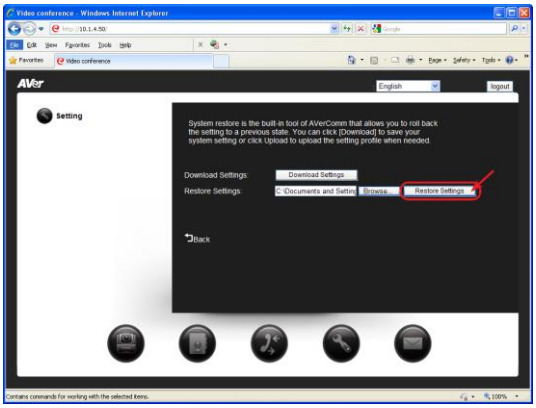
1. Click Browse….



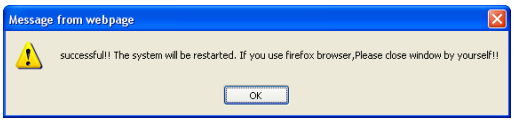
2. Locate the system setting file and click Open.



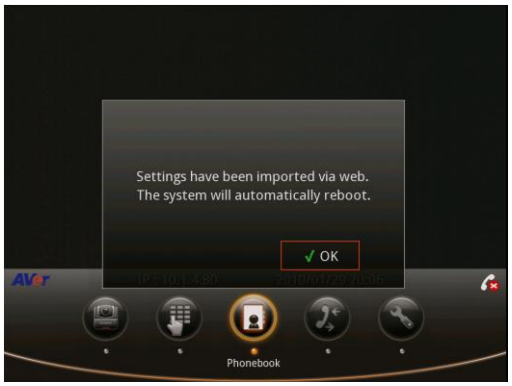
3. Click Restore Setting.



4. You will be prompt that the system setting upload is successful. Click OK.



5. On your HVC screen, you will be prompt that the system setting is updated via internet. Press ↵ to close the message box and reboot the unit.



Using the H300/H100

Once when you are done setting up the system, you may start to make a call. H300 supports Multipoint Control Unit (MCU) which allows you to have up to 4-party video conference call.



Making a call

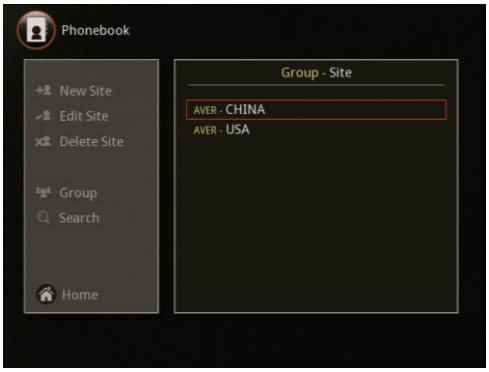
You can make a call in 3 ways. Selecting the site contact in the Phonebook list, Dial the IP address, or get in the Call History list.

To Call Using the Phonebook:

1. Select Phonebook and press ↵.



2. Select the site contact in the list and press ↵.



3. The call will be connected.



To Call Using Dial:

1. Select Dial and press ↵.

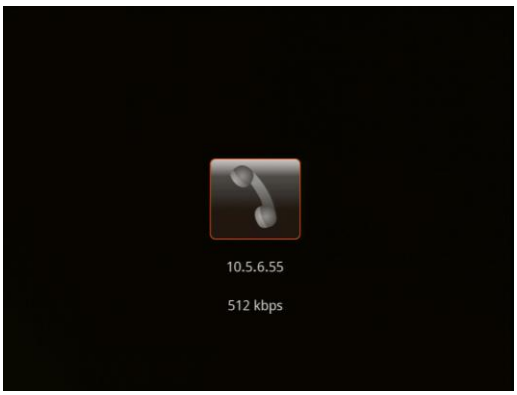


2. Use the numeric button on the remote to dial and press Call to make a call.

   The speed setting in Auto Call Quality will be used when Auto is selected.



3. The call will be connected.

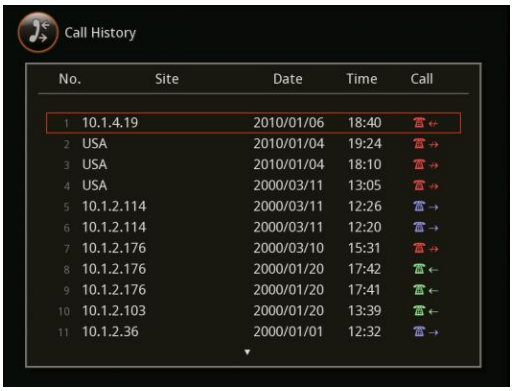


To Call Using Call History:

1. Select Call History and press ↵.



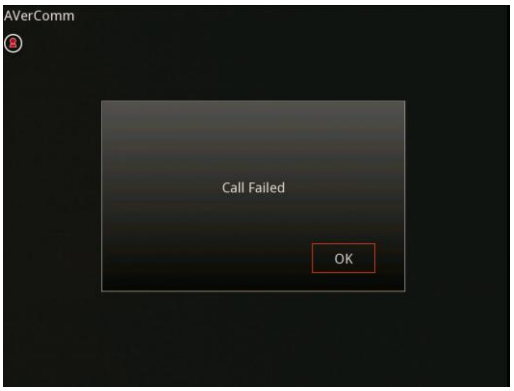
2. Select the site you want to call in the call history and press ↵.



3. The call will be connected.



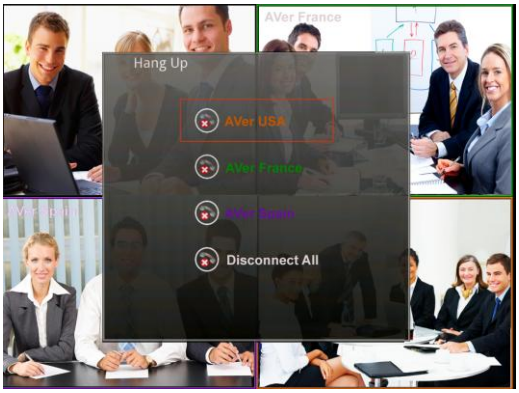
4. If the call failed, it's either the IP address is incorrect, the far site is set to do not disturb mode or the far site hang up the call.



To End MCU Call:

1. Use the ▲ and ▼ buttons to select which you want to disconnect and press ↵. To end the meeting, select Disconnect All.

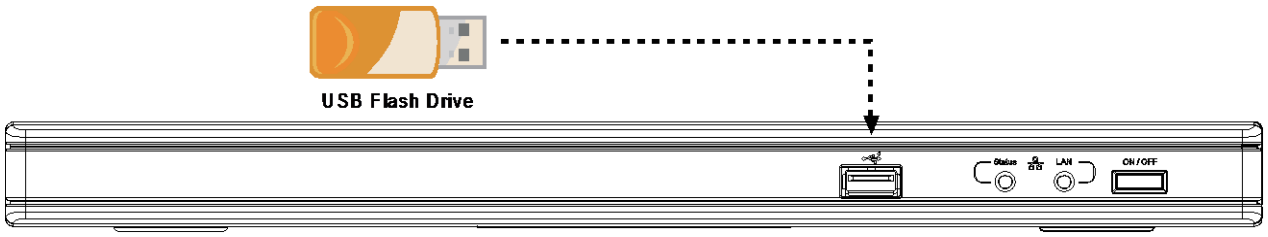
   You will notice the site names in the meeting are color coded. If you are not sure of which name you want to disconnect, refer to the color of the frame.



Recording your Meeting

AVer H300 requires a USB flash drive to record the meeting. The recorded video will be saved in *vc format.

Insert the USB flash drive to the USB port of the main system. Wait till the USB flash drive is ready before starting the recording. Press the RECORD on the remote control to start and stop meeting recording. H300/H100 can support USB flash drive from 2GB to 64GB.



To Playback the Meeting Recording on H300/H100

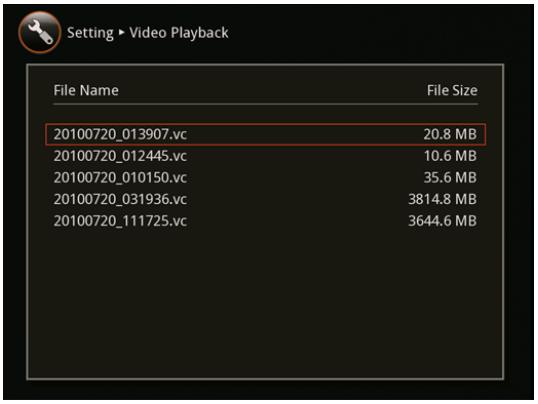
Make sure to insert the USB flash drive with the recorded *.vc file in the H300/H100 USB port.

1. In the HOME menu, click Setting and select Recording File.



2. Select Recording Video Playback and select from the recorded meeting list you want to watch.





3. In the Recording Video Playback screen, use the left and right button on the remote to select the video player buttons to play, pause, and stop the video.



To Playback the Meeting Recording Using AVer VCplayer

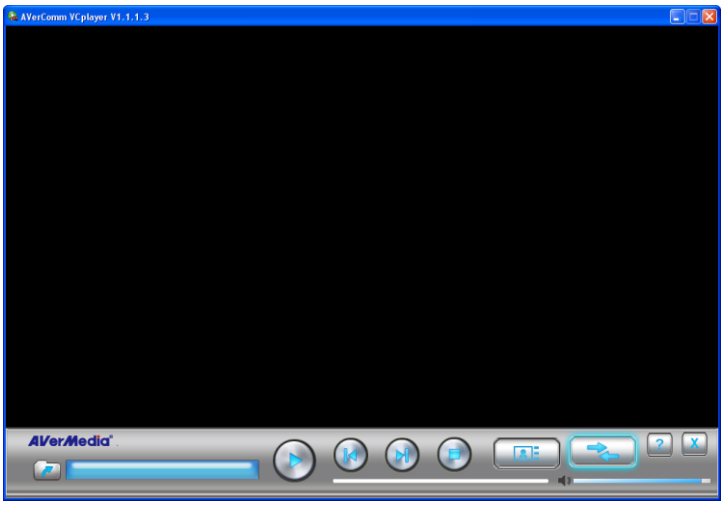
Make sure your computer meets the minimum system requirements below.

Minimum system requirements

- Intel® Pentium® 4 or AMD Athlon® XP or higher processor 2.4GHz Pentium® 4 or Intel core 2 duo or better (recommended)
- Windows XP (SP2) or later
- 512MB RAM or better
- 50MB of available hard-disk space

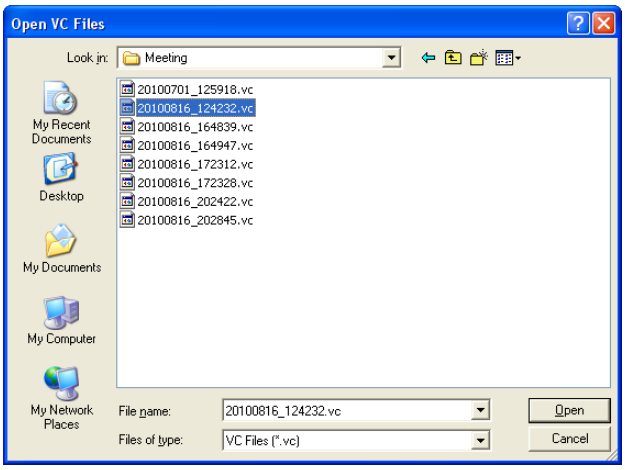
1. Click start > All Programs > AVer VCplayer > VCplayer, or double-click 

on the desktop.



2. Click  to locate and open the *vc file.

3. Select the file and click Open.



4. In the VCplayer control panel, you can do the following:




Start playing the *.vc file.


Change to different split screen mode.


Stop playing the *.vc file.


Convert the file in mov.


Skip the video 5 min backward.


Close the VCplayer application.


Skip the video 5 min forward.

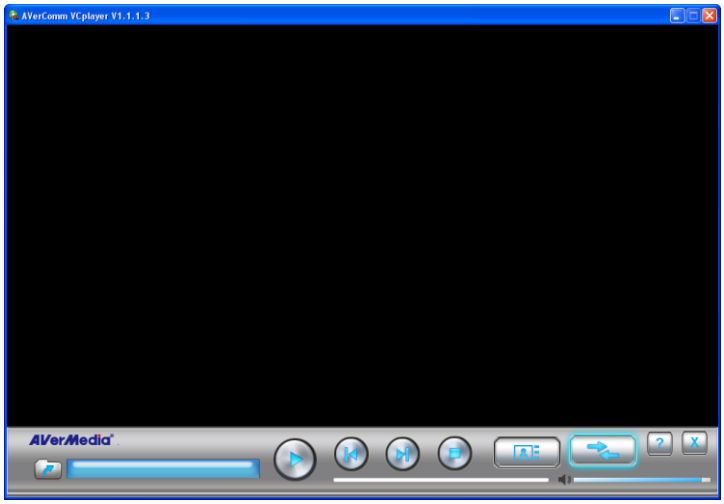

Display the VCplayer application information.


Adjust the Volume.

To Convert the File Using VCplayer

1. Open the file you want to convert.

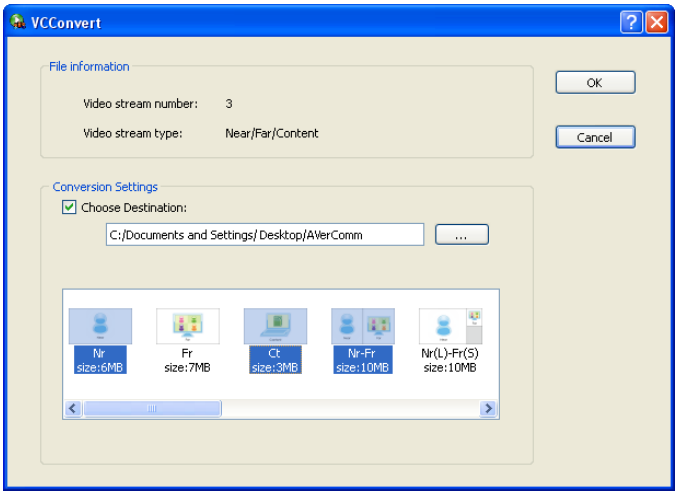
   Click  and locate the *vc file.



2. Click  to convert the file in *.mov format. The VCConvert will appear.

3. In the File information, it will show the number of video stream and type of the vc file.

   To save the file in different location, enable the Choose Destination and select the new folder location. Below, select the video stream: Near(Nr), Far (Fr), and Content (Ct), and layout.

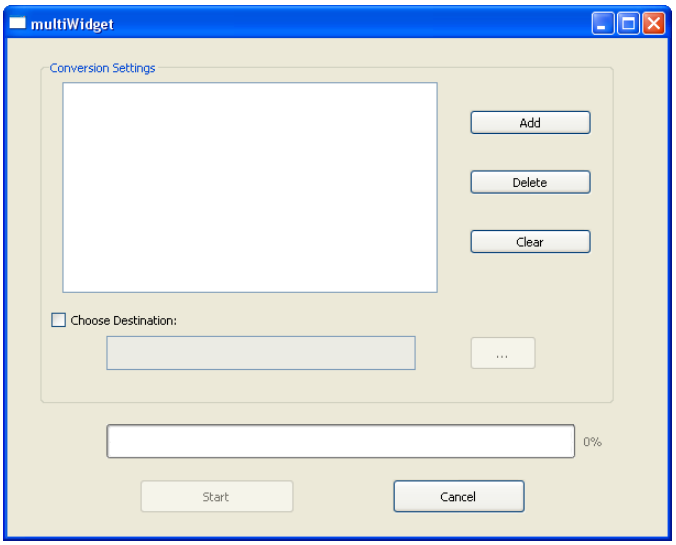


4. Click OK to start converting. Once done you may use QuickTime to playback the file.

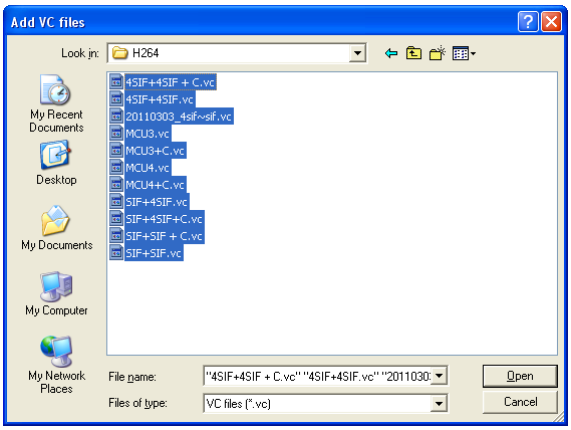
To Convert Files Using MultiConversion

1. Click Start > All Programs > VCPlayer > multiConversion.exe.

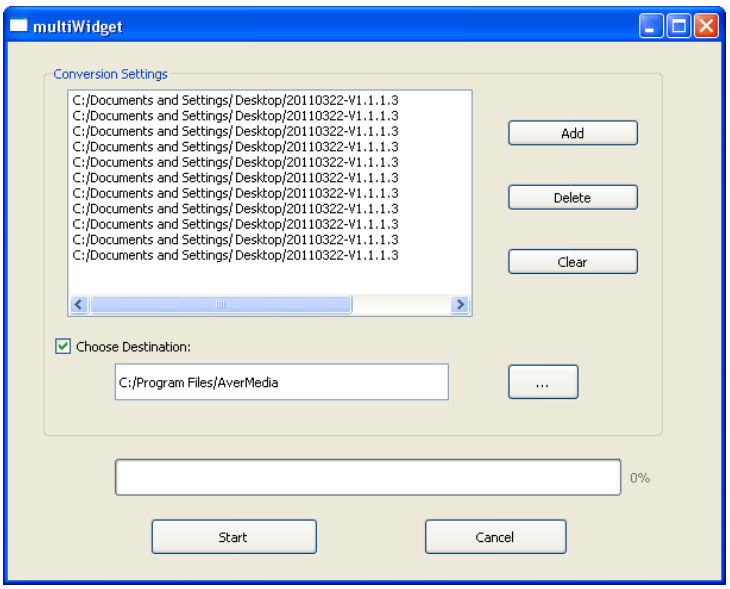
2. The multiWidget will appear. Click Add.



3. Select the files you want to convert and click Open.



4. To save the file in different location, enable the Choose Destination and select the new folder location. Click Start to begin converting the files in *.mov format.



Troubleshooting

Audio

1. Can’t hear the audio during a call.

- Make sure the MIC on both sites is not muted.
- Make sure the MIC and table hub cable connections are properly connected as illustrated in this manual.
- Ensure the proper volume level on the system.

2. The audio quality is poor.

- Ensure the H300/H100 speaker/mic is not damaged.
- Try to adjust the "Mic Gain Level”.
- Make sure the MIC and Speaker are away from each other to prevent echo.

Video / Display

1. There is no image/video on the screen

- Press any button on the remote control to check if the camera is in sleep mode.
- Check all the connectors again as shown in user manual.
- Check if the TV or LCD monitors is power on.
- Verify the input source of the TV or LCD monitors switched to the system.
- Ensure you have selected the correct input source of the system.

2. The video on the screen is blurry.

Press Zoom - 

or Zoom + 

button to adjust the focus of the H300/H100 camera.

3. I'm trying to share the contents from VGA port but when I pressed " Present" on the remote control, there is no VGA signal indicated on the selection

- Make sure the device such as document camera or computer is properly connected to the VGA IN port of H300/H100 HUB.
- For notebook, make sure it output the display on external monitor.

4. The “Present Failed” error message appeared on my screen when I started the Present to share content.

The far site you are calling does not support H.239 features or it is disabled. Please contact the system administrator for the detail setting.

Network

1. After resetting the system to default setting, the system IP address is still undetectetable or invaild value.

- If the IP/Subnet Mask/Default Gateway shown incorrect value, you can modify the value in “Static IP” Mode.
- The default Obtain IP address selection in H300/H100 is in **“Static IP”**. Please change the selection into DHCP in LAN Configuration, The system will automatically detect the IP from DHCP server.

2. Why cant I access Web tool?

- Check if you have entered the correct IP address and H300/H100 is Powered on.
- Ensure HTTP Port 80 is opened in your firewall setting.

3. The call is connected but there’s no video/Audio from far site

- Please verify your firewall policy setting or verify NAT Configuration/NAT public address.

4. I got the error message showing “ DHCP service failed “ when I try to obtain IP address as DHCP.

- Try to verify your DHCP server connection.
- Verify if the security setting for MAC in your network device.

5. Why I cant obtain DNS on H300/H100

- H300/H100 does not support DNS.
-

General

1. Unable to connect the call and the “Call failed” error message appeard on the screen.

- Ensure the IP address you are calling is correct.
- Verify if other site set their system to “Do Not Disturb” or not picking up the call.
- Ensure you are not calling to system that already has maximum number of connections.

2. Unable to remember the administrator’s password.

Please contact AVer technical support for assistance.

3. Unable to control the far end camera.

- Make sure the Cam Ctrl icon is switched on the site screen you want to control the camera. Press 

on the remote to switch on the camera site you want to control.
- Make sure the far site has enabled the Far Control of Near Camera setting. To enable, press and go to Setting > System Setting. Then select "Far control of Near Camera ".

4. H300/H100 can not detect the USB device.

- Unplug and plug the USB flash drive again and wait for 10~15 seconds for the system to detect the new USB device.
- We do not recommend to use the external HDD, it might cause system error or recording failure.

Limited Warranty

For a period of time beginning on the date of purchase of the applicable product and extending as set forth in the "**Warranty Period of AVer Product Purchased**" section of the warranty card, AVer Information Inc. ("AVer") warrants that the applicable product ("Product") substantially conforms to AVer's documentation for the product and that its manufacture and components are free of defects in material and workmanship under normal use. "You" as used in this agreement means you individually or the business entity on whose behalf you use or install the product, as applicable. This limited warranty extends only to You as the original purchaser. Except for the foregoing, the Product is provided "AS IS." In no event does AVer warrant that You will be able to operate the Product without problems or interruptions, or that the Product is suitable for your purposes. Your exclusive remedy and the entire liability of AVer under this paragraph shall be, at AVer's option, the repair or replacement of the Product with the same or a comparable product. This warranty does not apply to (a) any Product on which the serial number has been defaced, modified, or removed, or (b) cartons, cases, batteries, cabinets, tapes, or accessories used with this product. This warranty does not apply to any Product that has suffered damage, deterioration or malfunction due to (a) accident, abuse, misuse, neglect, fire, water, lightning, or other acts of nature, commercial or industrial use, unauthorized product modification or failure to follow instructions included with the Product, (b) misapplication of service by someone other than the manufacturer's representative, (c) any shipment damages (such claims must be made with the carrier), or (d) any other causes that do not relate to a Product defect. The Warranty Period of any repaired or replaced Product shall be the longer of (a) the original Warranty Period or (b) thirty (30) days from the date of delivery of the repaired or replaced product.

Limitations of Warranty

AVer makes no warranties to any third party. You are responsible for all claims, damages, settlements, expenses, and attorneys' fees with respect to claims made against You as a result of Your use or misuse of the Product. This warranty applies only if the Product is installed, operated, maintained, and used in accordance with AVer specifications. Specifically, the warranties do not extend to any failure caused by (i) accident, unusual physical, electrical, or electromagnetic stress, neglect or misuse, (ii) fluctuations in electrical power beyond AVer specifications, (iii) use of the Product with any accessories or options not furnished by AVer or its authorized agents, or (iv) installation, alteration, or repair of the Product by anyone other than AVer or its authorized agents.

Disclaimer of Warranty

EXCEPT AS EXPRESSLY PROVIDED OTHERWISE HEREIN AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, AVER DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE PRODUCT, WHETHER EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION, SATISFACTORY QUALITY, COURSE OF DEALING, TRADE USAGE OR PRACTICE OR THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT OF THIRD PARTY RIGHTS.

Limitation of Liability

IN NO EVENT SHALL AVER BE LIABLE FOR INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, DATA, REVENUE, PRODUCTION, OR USE, BUSINESS INTERRUPTION, OR PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES ARISING OUT OF OR IN CONNECTION WITH THIS LIMITED WARRANTY, OR THE USE OR PERFORMANCE OF ANY PRODUCT, WHETHER BASED ON CONTRACT OR TORT, INCLUDING NEGLIGENCE, OR ANY OTHER LEGAL THEORY, EVEN IF AVER HAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. AVER'S TOTAL, AGGREGATE LIABILITY FOR DAMAGES OF ANY NATURE, REGARDLESS OF FORM OF ACTION, SHALL IN NO EVENT EXCEED THE AMOUNT PAID BY YOU TO AVER FOR THE SPECIFIC PRODUCT UPON WHICH LIABILITY IS BASED.

Governing Law and Your Rights

This warranty gives you specific legal rights; You may also have other rights granted under state law. These rights vary from state to state.

For warranty period, please refer to the warranty card.

Federal Communications Commission Statement (Class A)

NOTE- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Class A ITE:

Class A ITE is a category of all other ITE which satisfies the class A ITE limits but not the class B ITE limits. Such equipment should not be restricted in its sale but the following warning shall be included in the instructions for use:
Warning - This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CE Class A (EMC)

CE This product is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2004/108/EEC.
Warning - This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures to correct this interference.

DISCLAIMER

No warranty or representation, either expressed or implied, is made with respect to the contents of this documentation, its quality, performance, merchantability, or fitness for a particular purpose. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.
In no event will AVer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use this product or documentation, even if advised of the possibility of such damages.

TRADEMARKS

“AVer” is a trademark (or registered trademarks) of AVer Information Inc. Other trademarks used herein for description purpose only belong to each of their companies.

COPYRIGHT

© 2011 by AVer Information Inc. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form by any means without the written permission of AVer Information Inc.



THE MARK OF CROSSED-OUT WHEELED BIN INDICATES THAT THIS PRODUCT MUST NOT BE DISPOSED OF WITH YOUR OTHER HOUSEHOLD WASTE. INSTEAD, YOU NEED TO DISPOSE OF THE WASTE EQUIPMENT BY HANDING IT OVER TO A DESIGNATED COLLECTION POINT FOR THE RECYCLING OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT. FOR MORE INFORMATION ABOUT WHERE TO DROP OFF YOUR WASTE EQUIPMENT FOR RECYCLING, PLEASE CONTACT YOUR HOUSEHOLD WASTE DISPOSAL SERVICE OR THE SHOP WHERE YOU PURCHASED THE PRODUCT.

Remote Control Battery Safety Information

- Store batteries in any cool & dry place.
- Do not dispose used batteries in domestic waste. Dispose batteries at special collection points or return to stores if applies.
- Remove the batteries if they are not in use for long period of time. Battery leakage and corrosion can damage the remote control, dispose batteries safely.
- Do not mix and use old and new batteries.
- Do not mix and use different types of batteries: alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium).
- Do not dispose batteries in a fire.
- Do not attempt to short circuit the battery terminals.

