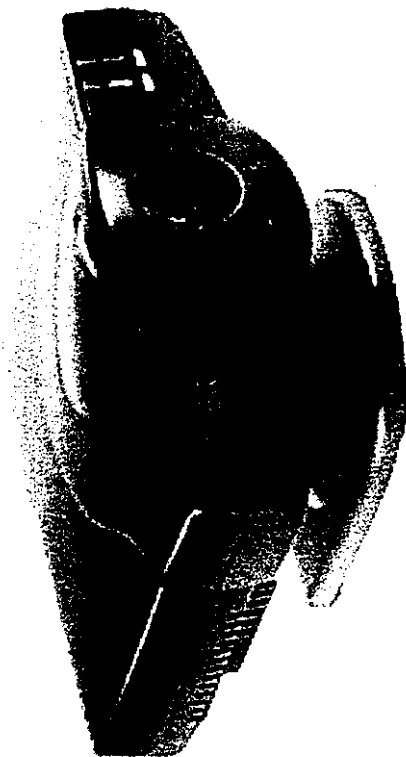


Hyper Vphone 2000 S/M

Model: HVP-2000 S/M



User's Guide

AIPTek
www.aiptek.com

The Federal Communications Commission Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B 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 turning 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/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC REQUIREMENTS

This equipment complies with Part 68 of the FCC Rules.

On the bottom of this equipment is label that contains, among other information, the FCC registration Number and Ringer equipment Number(REN) for the equipment, if requested, this information must be given to the Telephone company.

The REN is useful to determine the quantity of device you may connect to your telephone line and still have all of those device ring when your telephone number is called.

In most, but not all areas, the sum of the REN's of all device connected to one line should not exceed five(5.0). To be certain of the number of device you're local telephone company to determine the maximum REN for you're calling area. If your telephone equipment cause harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But is advance notice isn't practical, you will be informed of your right to file a complaint with FCC.

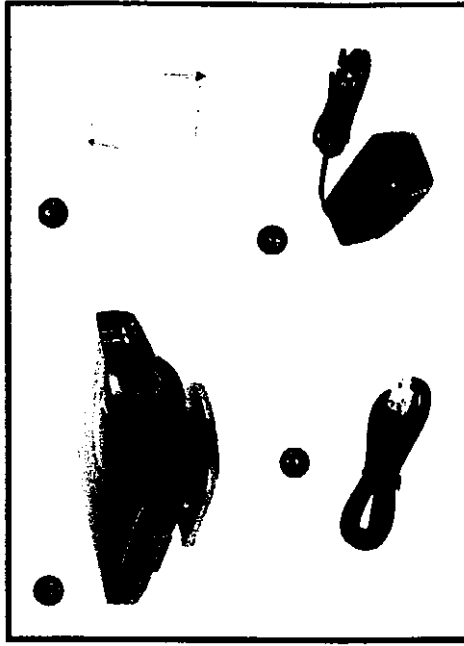
Your telephone company may changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to given you and opportunity to maintain uninterrupted telephone service. If you experience trouble with this telephone equipment, please contact the following address and phone number for information on obtaining service or repairs. The telephone company may ask that your disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning. This equipment may not be used on coin service provide by the telephone company. Connection to party lines is subject to state tariffs.

COMPANY: AIPTEK, INC.

ADDRESS: 20492 CRESCENT BAY DR. SUITE 104 LAKE FOREST CA 92630

TEL: 949-455-1800

Package Contents



Carefully unpack the contents of the Videophone package. Please make sure the package contains the following.

1. Hyper VideoPhone 2000 S/M
2. User's manual/quickguide
3. Phone line cable
4. Power adapter

Making a Videophone Call

You have set up your videophone, you are now ready to make your first videophone call.

Note: Place your videophone on a stable surface.

1. Turn on your videophone (on the right side of the videophone). The logo appears on the screen.

2. Pick up the phone receiver, you will hear a dial tone and see yourself on the screen.

3. Dial your phone number.

4. When the phone is answered you can talk as normal.

5. If you would like to see your correspondent, you need to start the video. Press # on the phone keypad to show the menu on the bottom of the screen.

Note: Only one of you should start the video.

6. Press "1" to start the video.

The menu will change as shown and the number on the right will count up as the video is being connected.

Note: At this point you will not be able to hear your correspondent.

7. After 15-45 seconds, the screen will indicate that the video is connected.

8. Now you can see your correspondent on the screen! You can continue your conversation again.

9. Just hang up the phone to end the call.

Or press # and choose "5. End". You will see "End Video Call?", choose "yes".

No video connection

If the count on the screen gets up to 60 seconds and the video has not started, you will see one of these messages.

Unable to start video

No modem connection

1. Please make sure that your correspondent also has a videophone.

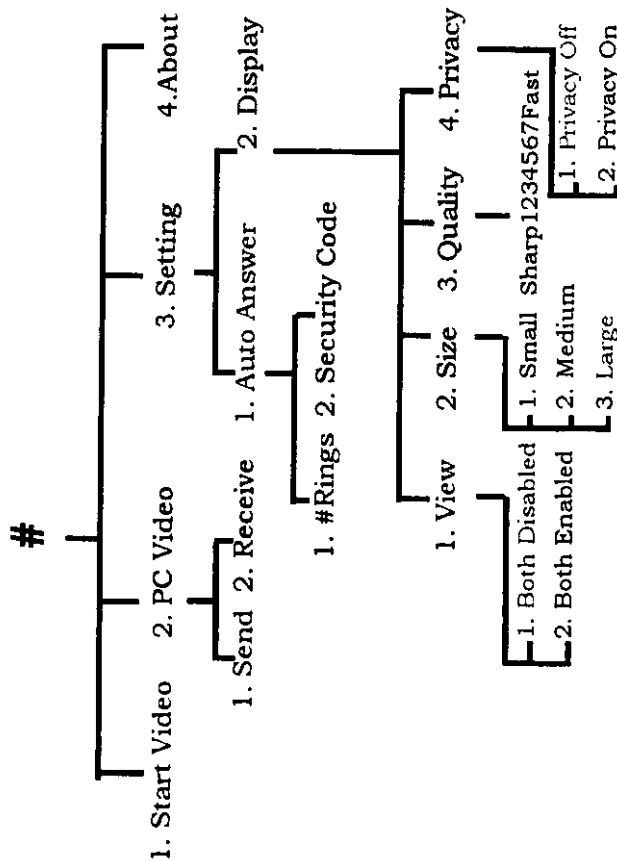
2. If so, hang up, wait for the videophone logo to appear on the screen and re-dial.

Videophone Menu Tree

Before or after you make a videophone call, there are several useful features for you to use. These features are designed according to your needs to make your phone call more pleasant.

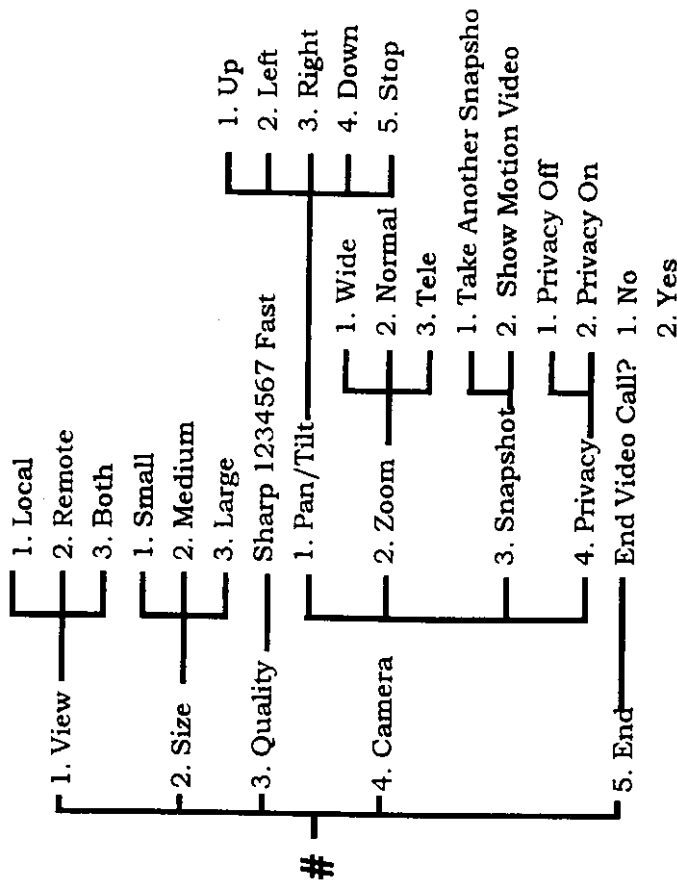
Here's a videophone menu tree for a quicker search:

1 Before making a videophone call:



Letters in red are default settings

2 After making a videophone call



Helpful tips for using the menu

1. Press # to see a menu of features

This menu will automatically disappear if you do not press any keys. Press # again to see the menu.

2. To select a menu item, simply press the corresponding number.

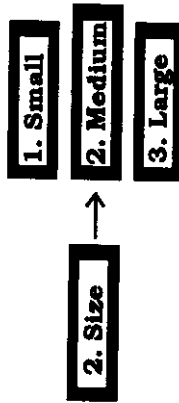
3. Press "8" if you would like to go back to the previous level.

Size Menu

1. View 2. Size 3. Quality 4. Camera 5.

Size

You can use this menu to change the displayed video to be shown as small, medium or large area on your screen.



Small



Medium



Large

Quality Menu

1. View 2. Size 3. Quality 4. Camera 5.

Quality

You can use this menu to make a trade-off between the sharpness of the video and the amount of motion.

3. Quality → Sharp 1 2 3 4 5 6 7 Fast

Choosing numbers at the Sharp end will give a more detailed picture, but with more jerky video. Choosing numbers at the Fast end gives faster motion, but more blurry video.

Camera Menu

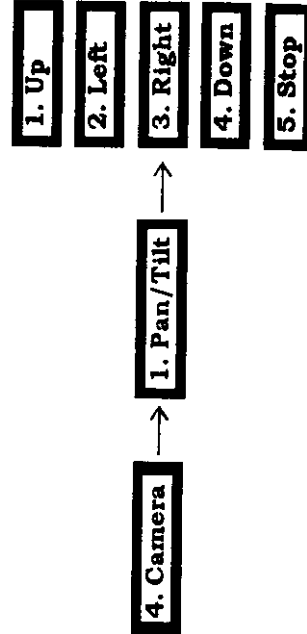
1. View 2. Size 3. Quality 4. Camera 5. End

1. Pan/Tilt 2. Zoom 3. Snapshot 4. Privacy

The Camera Menu has four features: 1. Pan/Tilt, 2. Zoom, 3. Snapshot, 4. Privacy. Each feature is described as below:

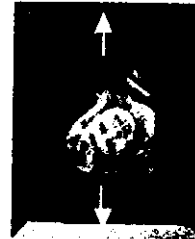
Pan/Tilt

In this menu, you need to press a key (1 - 4) to start the camera view movement and then press 5 to stop the movement in the correct place.



To pan the view left or right, press 2. Left or 3. Right

To tilt the view up or down, press 1. Up or 4. Down



To Pan

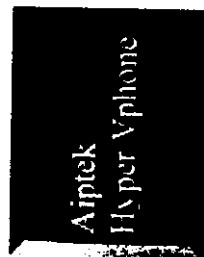
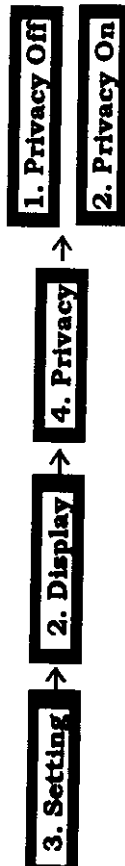


To Tilt

- 1. View 2. Size 3. Quality 4. Privacy

Privacy

This menu prevents your correspondent from seeing you



Privacy Off



Privacy On

Menu After making a videophone call

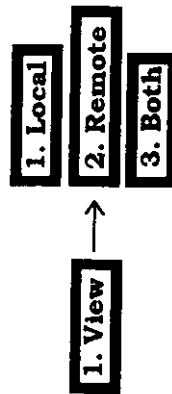
Once you make your videophone call, you can still use the following features to make your videophone call even more enjoyable. **To go into all features, you need to press # to begin with.**

View Menu

- 1. View 2. Size 3. Quality 4. Camera 5.

View

You can choose to view your own video (local) or your correspondent's video (remote) or both at the same time (both).



Local



Remote



Both

Display

This Display menu lets you adjust how the video appears on your screen.

1. View **2. Size** **3. Quality** **4. Privacy**

View Menu

By using this menu, you can decide if you want to see the video or not on the screen.

If you decide *NOT* to see the video:

1. Press # to bring up the menu.

2. Select

3. Setting

3. Choose

2. Display

4. Choose

1. View

5. Select

1. Both Disabled

If you decide to see the video:

1. Press # to bring up the menu.

2. Select

3. Setting

3. Choose

2. Display

4. Choose

1. View

5. Select

2. Both Enabled

1. View **2. Size** **3. Quality** **4. Privacy**

Size

You can use this menu to change the displayed video to be shown as small, medium or large area on your screen.

3. Setting → **2. Display** → **2. Size** →

1. Small

2. Medium

3. Large



Small



Medium



Large

1. View **2. Size** **3. Quality** **4. Privacy**

Quality

You can use this menu to make a trade-off between the sharpness of the video and the amount of motion.

3. Setting →

2. Display →

3. Quality

Sharp 1 2 3 4 5 6 7 Fast



Choosing numbers at the Sharp end will give a more detailed picture, but with more jerky video. Choosing numbers at the Fast end gives faster motion, but more blurry video.

Menu Before Making a Videophone Call

Start Video

1. Start Video **2. PC Video** **3. Setting**

If you would like to **see** your correspondent, you need to start the video. Please follow the step below:

 **Note:** Only one of you should start the video.

1. Press # on the phone keyboard

2. Select **1. Start Video**

PC Video Menu

1. Start Video **2. PC Video** **3. Setting**

Videophone also allows you to make a call to a PC running videophone software. Please follow the steps below:

1. Turn on the videophone

2. Pick up the phone and dial the PC videophone number .

3. When the phone is answered:

Send

You will start the video to see the correspondent

a. Press # to bring up the menu. 

Your correspondent may need to click on

b. Select **2. PC Video**

a button in their PC software to receive the video from you. A delay of 15-60 seconds is expected.

c. Press **1. Send Video**

Receive

Your correspondent will start the video

a. Press # to bring up the menu.

b. Select **2. PC Video**

c. Press **2. Receive Video**

Some PC videophones do not allow you to talk to each other before the video is started, they start to send video immediately. If your correspondent's videophone does what is just described, press keys above to receive video.

Setting Menu

1. Start Video **2. PC Video** **3. Setting**

Auto Answering

when you are busy or not around to answer the phone, the videophone is able to answer calls for you. To do this:

1. Press # to bring up the menu.

2. Select **3. Setting**

3. Choose **1. Auto Answer**

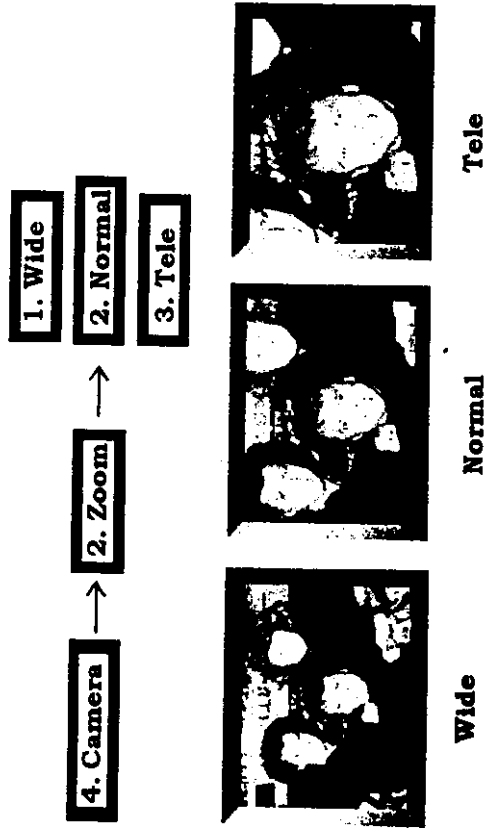
4. Choose **1. #Rings**

Here you can turn on Auto Answer function and decide the number of times the phone should ring before it answers. To do this, simply enter number 1-9

- 1. Pan/Tilt
- 2. Zoom
- 3. Snapshot
- 4. Privacy

Zoom

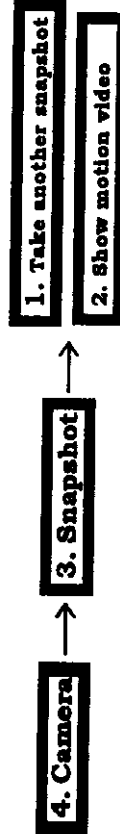
You can use this feature to zoom up the video from your correspondent's videophone. Choose from Wide, Normal, and Tele.



- 1. Pan/Tilt
- 2. Zoom
- 3. Snapshot
- 4. Privacy

Snapshot

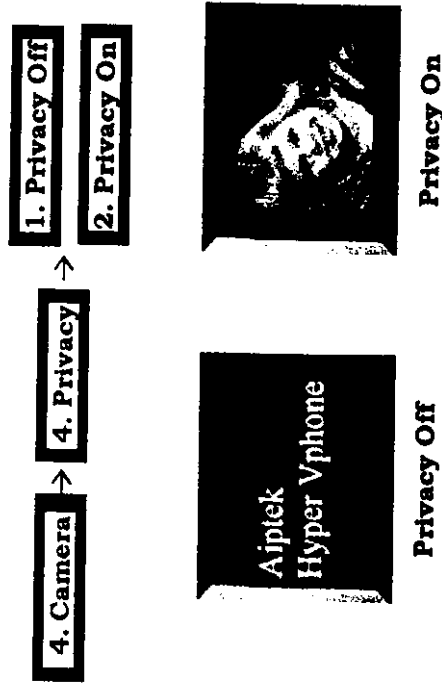
You can use this feature to take a high-quality still picture. This is very useful if you or your correspondent wants to show a photo, a magazine page, or other detailed picture.



- 1. Pan/Tilt
- 2. Zoom
- 3. Snapshot
- 4. Privacy

Privacy

This menu prevents your correspondent from seeing you



End Menu

- 1. View
- 2. Size
- 3. Quality
- 4. Camera
- 5. End

End

When you are finished with your video call, select End to finish your call.

Specification

Electrical/Mechanical

Supports ITU/T H.324 systems document
Modem: 33.6kbps V.34/V.34+ with V.80 support
Supported video resolutions: CIF: 352 x 288 pixels
 QCIF: 176 x 144 pixels
 SQCIF: 128 x 96 pixels

Local picture frame rate: 30fps
Remote picture frame rate with QCIF format:
 Normal 15fps, Min. 7-8fps
Camera: Color 1/5" CCD with 250,000 pixels
Two NTSC/PAL jacks for connecting TV set or VCR
Operated using phone DTMF keypad and On Screen Display (OSD)
Auto Answer for security applications
Adjustable picture quality, size and frame speed
Electronic pan/tilt/zoom camera controls
High-resolution snapshot capability
Privacy mode mutes outgoing video when you don't want to be seen
Speech input/output: external telephone
Voice call first to make using a videophone as simple as a telephone call
Network interface: PSTN
Power adapter: Input AC 100-240V, 50-60 Hz and out put 15V 1.5A

Environmental

Operating Temperature: 0 to 40C
Operating Humidity: less than 90% (Non-condensing)
Storage Temperature: -20 to 70C
Storage Humidity: less than 90% (Non-condensing)