



InnoMedia

MTA 5000 series IP VideoPhone



User Manual [v1.0]

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- All the safety and operating instructions should be read before the appliance is operated.
- Do not use this product near water for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.
- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- Dangerous high voltages are present inside the enclosure. Do not open the cabinet.
- This appliance contains no user serviceable parts. Refer servicing to qualified personnel only.

SAVE THESE INSTRUCTIONS

CAUTION: To reduce the risk of fire, use only No. 26 AWG or larger (e.g., 24 AWG) UL Listed or CSA Certified Telecommunication Line Cord.

This equipment is not designed for making emergency telephone calls when the power fails. Alternative arrangements should be made for access to emergency services

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Some Tips for Great Video

- Avoid wearing bright colours, all-light or all-dark clothing, or very “busy” patterns (such as small checks or narrow stripes). Light pastels and muted colours look the best on the screen.
- If there are windows in the room, close any drapes or blinds. Daylight is a variable light source and can conflict with interior room lighting.
- Use natural gestures when you speak.
- When adjusting your camera, try to fill the screen as much as possible with people rather than with the table, chairs, walls, or the floor.

Introduction

MTA 5000 series IP VideoPhone, the 3rd generation of InnoMedia VideoPhones, besides inheriting its predecessor's features by offering uncompromising user friendliness and real-time face-to-face Video or Voice call over a broadband IP/3G/PSTN network. These models also come with a sleek, slim LCD panel and stylish casing design to produce a sophisticated look. In addition, MTA 5531 IP VideoPhone is also bundled with a rich pack of groundbreaking features such as 5-inch LCD display, PSTN (RJ11) connection, and wireless connection (802.11b).

Unbeatable user-friendliness

Greater viewing pleasure – With MTA 5531 IP VideoPhone, you can enjoy the comfort of a larger LCD during your video call through the 5-inch LCD screen. Hence when calling another VideoPhone, you are able to view the remote party even more clearly than before.

PSTN connection – You can replace your normal phone with MTA 5411 or MTA5531 IP VideoPhone as it also provides a PSTN line connection. This feature offers you more choices when making Voice call, you can either select to dial via broadband network or PSTN.

Wireless connection (802.11b) – With MTA 5531 IP VideoPhone, you NO longer need to deal with messy wires for your WAN connection, the PCMCIA port provides a wireless alternative for wireless network environment.

Up-close and personal – Bringing your loved ones up-close on the phone and let your true expression be seen. MTA 5000 series IP VideoPhone give you a direct video line to derive pleasure from the warm experience of a face-to-face conversation.

Icon based Menu – Besides inheriting the plug and play feature from its predecessor, MTA 5000 series IP VideoPhone have a new icon-based menu, which makes it even easier to navigate through the rich spread of features. You can find Contacts, Settings, Tone and Volume, Info, and many more options available in the menu.

* MTA 5000 series IP VideoPhone in reference are MTA 5531, MTA 5411 and MTA5410 IP VideoPhone

I. Usage Environment

Design to suit both residential and enterprise environment, MTA 5000 IP VideoPhone achieves best performance when it is being deployed in a broadband network with the following conditions:

- Network that supports 10/100Base Tx Interface
- Broadband Internet connections with minimum 300kbps upload and download speed
- NO Firewall configured within the Local Area Network (LAN) environment
- Network that is NOT operating behind Network Address Translation (NAT)
- Provision of a public IP address by DHCP or PPPoE or static assignment
- Network that does not require any kind of login except PPPoE
- RJ45 plug required

II. MTA 5000 IP VideoPhone Feature

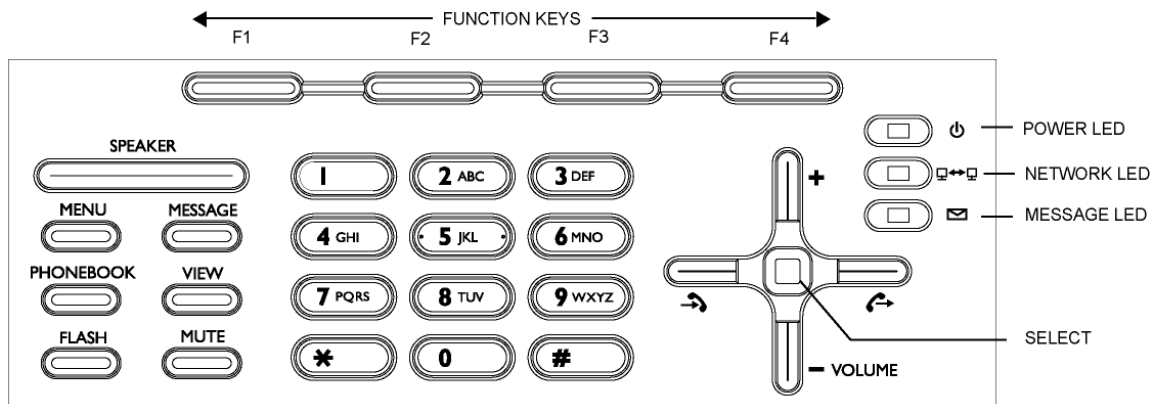












Figure 2.1 MTA 5000 IP VideoPhone Keyboard Panel

| Number | Components | Function Description |
|--------|----------------------|---|
| 1 | < SPEAKER > | To activate speakerphone mode. Press this button again deactivates the speaker phone mode and VideoPhone returns to on-hook status |
| 2 | < MENU > | Provide icon based menu to access various VideoPhone features which include Contacts, Settings, Tones and Volume, Info, Application and Disconnect/Connect |
| 3 | < PHONEBOOK > | Store up to 100 phone numbers and respective names. Accompanying features include, <ul style="list-style-type: none"> ▪ Search - Specific stored numbers ▪ New - Create and store new phone numbers ▪ Manage - Standard phonebook editing functions |
| 4 | < FLASH > ~ | Enable line toggling during call waiting between 2 concurrent calls |
| 5 | < MESSAGE > ~ | Provide message management functions for mail retrieval |
| 6 | < VIEW > | To toggle between SELF view, REMOTE |

| Number | Components | Function Description |
|--------|---|---|
| | | view or Picture-in-Picture views during Video calls |
| 7 | < MUTE > | To disable the audio transmission on the VideoPhone, hence remote user will not hear anything when you speak. Function is only applicable to Video and Voice Calls |
| 8 | < Function keys > | 4 function keys located at the top of the keyboard panel <ul style="list-style-type: none"> ▪ To activate the corresponding functions as shown in the menu bar displayed at the bottom of the LCD screen |
| 9 |  | To dial out the selected numbers and establish a videoconference session. Video Call is accessible in Direct Dial , Phonebook , Received Calls and Dialled Calls mode. |
| 10 |  | To dial out the selected numbers and establish a voice session via broadband connection. Voice Call is accessible in Direct Dial , Phonebook , Received Calls and Dialled Calls mode. |
| 11 |  | To dial out the selected numbers and establish a voice session via PSTN connection. PSTN Call is accessible in Direct Dial , Phonebook , Received Calls and Dialled Calls mode |
| 12 | < Number keypad > | <ul style="list-style-type: none"> ▪ To dial out the remote device contact number. ▪ To make entries in Phonebook and configure VideoPhone in Settings |
| 13 | < VOLUME + > | <ul style="list-style-type: none"> ▪ To increase the hearing volume of the speaker or handset mode during a conversation |

| Number | Components | Function Description |
|--------|--|---|
| | | <ul style="list-style-type: none"> ▪ To increase the ringer volume when VideoPhone is in idle mode ▪ Up scroll function |
| 14 | < VOLUME - > | <ul style="list-style-type: none"> ▪ To decrease the hearing volume of the speaker or handset mode during a conversation ▪ To decrease the ringer volume when VideoPhone is in idle mode ▪ Down scroll function |
| 15 | <  Received Calls > | <ul style="list-style-type: none"> ▪ Provide a list of incoming calls to VideoPhone ▪ Other features available include Call Details, Add phone number from the list to Phone Book and standard Call list management functions ▪ Left scroll function |
| 16 | <  Dialled Calls > | <ul style="list-style-type: none"> ▪ Provide a list of outgoing calls from VideoPhone ▪ Other features available include Call Details, Add phone number from the list to Phonebook and standard Call list management functions ▪ Right scroll function |
| 17 | < SELECT > | <p>Located at the middle button of the navigation key pad</p> <ul style="list-style-type: none"> ▪ Press once to make selection or activate setting changes ▪ Press again to store configured setting |
| 18 | Power LED  | Lighted in green when VideoPhone is powered-up |
| 19 | Network LED  | <ul style="list-style-type: none"> ▪ Lighted in red when VideoPhone loses network connection or not ready to make Video/Voice call |

| Number | Components | Function Description |
|--------|---|--|
| | | <ul style="list-style-type: none"> ▪ Ring Indicator - LED flashes to notify of an incoming call |
| 20 | Message LED  | <ul style="list-style-type: none"> ▪ Lighted in amber when VideoPhone receives an incoming message ▪ Missed Call Indicator - LED flashes to notify a missed call |
| 21 | CCD camera | High quality camera with a ¼" CCD sensor |
| 22 | LCD screen | 5 inch TFT colour LCD mounted on a 90 degrees angle adjustable panel |
| 23 | Contrast control  | To adjust the contrast of the video image Located at the top of the LCD Panel |
| 24 | Brightness control  | To adjust the brightness of the video image Located at the top of the LCD Panel |

~ Feature in reference requires check on availability

^ Feature in reference is applicable to model with PSTN support

III. Installation

Below are illustrations of the back panel for the following IP VideoPhone

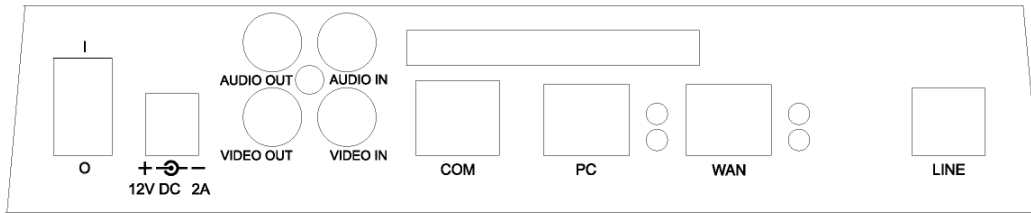


Figure 3.1 MTA 5531 IP VideoPhone Back Panel

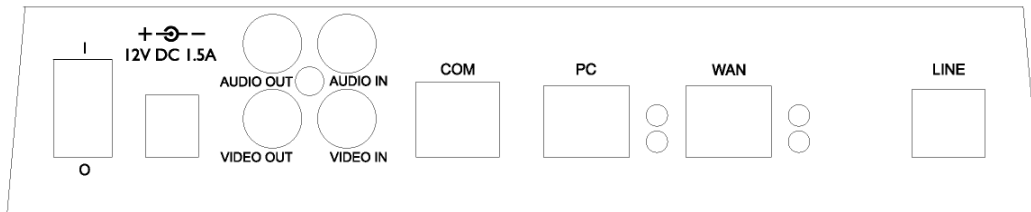


Figure 3.2 MTA 5411 IP VideoPhone Back Panel

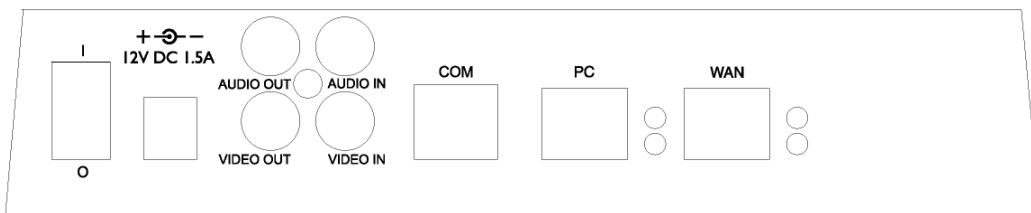


Figure 3.3 MTA 5410 IP VideoPhone Back Panel

On the back of your IP VideoPhone,

1. Connect from the **WAN** port to the broadband modem (if any) by using a RJ45 Ethernet cable
2. Plug the power adapter[†] into the **power connector**
3. Switch on the VideoPhone
4. The **POWER LED** (green) will light up while your VideoPhone starts to boot up and conducts a series of diagnostic tests
5. Once the boot-up process is completed, the LCD screen will display a self-view

Optional,

On MTA 5531 IP VideoPhone,

1. You can connect from the **LINE** port to the PSTN (wall jack) by using a RJ11 cable
2. For MTA 5531, you can also connect WAN to a wireless router by plugging your Wireless LAN (802.11b) card into the **PCMCIA slot**

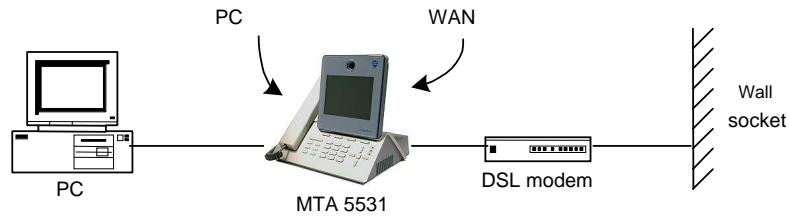
† Check that you have the correct power rating for your power adapter

IV. User Configuration

This section will explain the user settings for different types of Broadband service connection:

- A1. DSL users with PPPoE login
- A2. DSL users without login
- A3. Cable modem users
- A4. Fixed IP address (Special case)

A1. DSL users with PPPoE login



1. Press **MENU** and select **Settings**

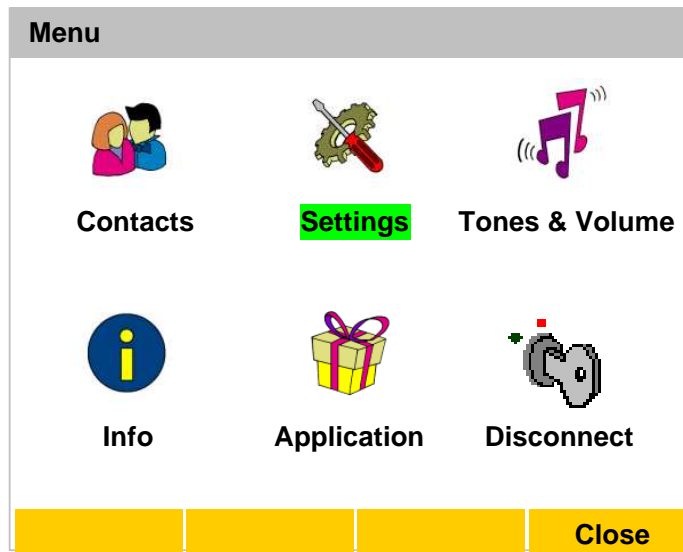


Fig 4.1 Main Menu

2. Scroll cursor and select **Phone Settings**

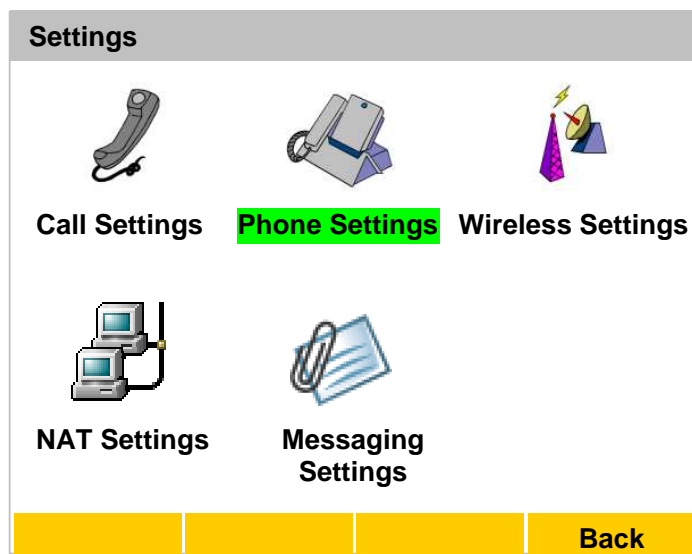


Fig 4.2 Settings Menu

3. In the Phone Settings, scroll to **PPPoE** and change status to **ON**
4. Scroll cursor to **PPPoE user** setting and enter the assigned **PPPoE username** provided by your ISP via the number pad
5. Once setting is configured press **SELECT** to store configuration
6. Scroll cursor to **PPPoE password** setting
7. Press **SELECT** and enter the assigned **PPPoE password** provided by your ISP via the number pad
8. Once setting is configured press **SELECT** to confirm configuration
9. Re-enter the **PPPoE password** again, follow by **SELECT** to store the **PPPoE password** and **Done** to continue with other settings configuration
10. Press **Exit** to return to **Settings** page

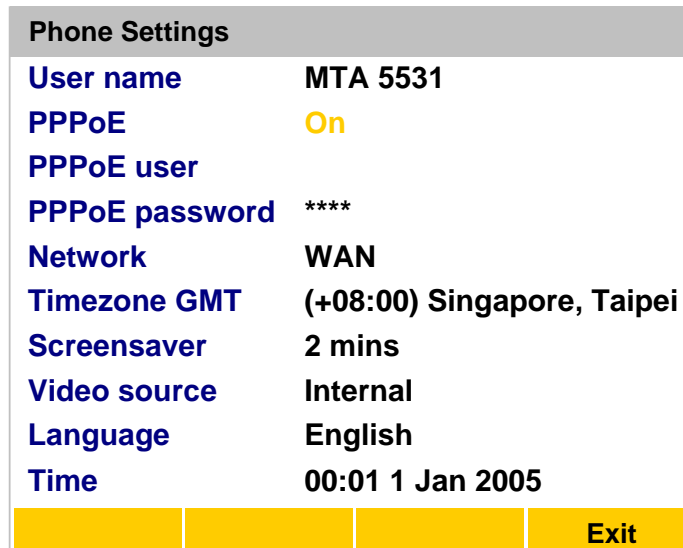


Fig 4.3 Phone Settings with PPPoE On

Remarks: Refer to **NAT Settings** configuration to allow PC to work behind VideoPhone's NAT mode

A2. DSL users without login

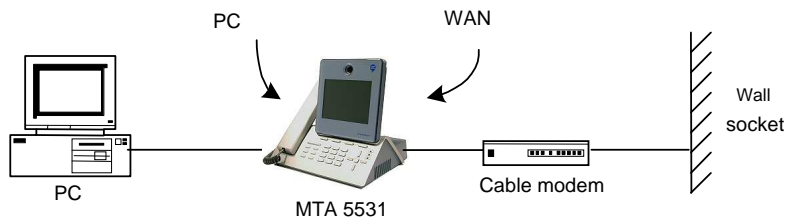
By default, there is no additional setting and the IP VideoPhone is ready to make calls.

Remarks: Refer to **NAT Settings** configuration to allow PC to work behind VideoPhone NAT mode

If user is using fixed IP address, please refer to **A4. Fixed IP set-up** before making any calls

A3. Cable modem users

By default, there are no additional settings and the IP VideoPhone is ready to make calls.



Remarks: Refer to **NAT Settings** configuration to allow PC to work behind VideoPhone NAT mode

If user is using fixed IP address, please refer to **A4. Fixed IP set-up** before making any calls

A4. Fixed IP set-up (Special case)

1. On the default self-view mode, press **MENU** button to access the **Menu** page
2. Navigate to **Settings** icon and press **SELECT** button to open **Settings** option
3. Scroll cursor to select **Phone Settings**
4. Scroll cursor with **+** and **-** buttons to **IP address** setting
5. Press **SELECT** and enter the assigned IP address as provided by your ISP via the number pad
6. Once setting is configured press **SELECT** to store configuration
7. Repeat step 4 – 6 to configure **Netmask** and **Default GW** settings

| Phone Settings | |
|------------------------|----------------------------|
| User name | MTA 5531 |
| PPPoE | Off |
| Network | WAN |
| IP address | 0.0.0.0 |
| Netmask | 255.255.255.255 |
| Default GW | 0.0.0.0 |
| Pri DNS address | 0.0.0.0 |
| Sec DNS address | 0.0.0.0 |
| Timezone GMT | (+08:00) Singapore, Taipei |
| Screensaver | 2 mins |
| | Exit |

Fig 4.4 Phone Settings with PPPoE Off

VideoPhone NAT Settings

To enable the **NAT Settings** on your IP VideoPhone

1. On the default self-view mode, press **MENU** button to access the **Menu** page
2. Select **Settings** and scroll cursor to select **NAT Settings**
3. Make sure that the following settings are turn on
 - NAT - ON
 - Priority Switch - ON
 - DHCP - ON

| NAT Settings | |
|------------------------|----------------------|
| NAT | On |
| LAN IP address | 10.10.10.1 |
| LAN Netmask | 255.255.255.0 |
| Priority Switch | On |
| DHCP | On |
| LAN IP start | 10.10.10.10 |
| LAN IP end | 10.10.10.254 |
| IP Lease Time | 1 hour |

Exit

Fig 4.5 NAT Settings

When your VideoPhone NAT and DHCP modes are switched **OFF**, to share your VideoPhone and PC with a single network connection:

a. Disconnecting your IP VideoPhone

Scroll cursor to **Disconnect** icon in Menu and press **SELECT** to connect and swap the Ethernet cable from the IP VideoPhone WAN port to other devices, e.g. PC, before establishing an Internet connection on the PC

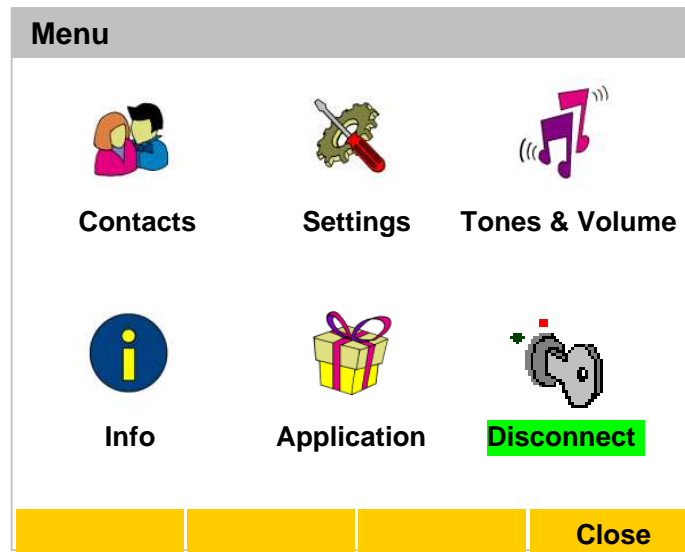


Fig 4.6 Main Menu

b. Connecting your IP VideoPhone

User has to disconnect the Internet connection on the PC, and swap the Ethernet cable to the IP VideoPhone, and establish an Internet connection on the IP VideoPhone by pressing **MENU** and scroll cursor to **Connect** icon, press **SELECT** to connect

Connect and Disconnect an Internet connection on the PC

a. To disconnect an Internet connection on the PC, you should release the IP address from the PC by typing the following in the command prompt window:

Window 98/ME: "ipconfig /release_all"

Window 2000/XP: "ipconfig /release"

- b. To establish an Internet connection on the PC, you should get an IP address from the service provider by typing the following in the command prompt window:

Window 98/ME: "ipconfig /renew_all"

Window 2000/XP: "ipconfig /renew"

After set-up

When all the above settings are correctly configured, VideoPhone will perform configuration work and reboot automatically, and will display the following messages on the LCD

< Initializing network, please wait... >

< Profile updating, please wait... >

< Upgrading system, please DO NOT switch off... >

< Registering, please wait... >






Once successfully registered to Service Provider's network, the VideoPhone is ready to make calls

Screenshots may vary for different models.

V. Making Calls

Calling Methods

At-A-Glance Table

| Calling to | Dial |
|--|---|
| Another IP VideoPhone or 3G mobile phone | Dial <IP VideoPhone number or 3G mobile number> and  Video |
| Local/Mobile number | Dial <Local/Mobile number> and  Voice or  PSTN |
| Other countries by IDD | Dial <IDD prefix> <Country code> <Area code> <Phone number> and  Voice or or  PSTN |

There are 3 simple ways to call another IP VideoPhone, Mobile/PSTN phone:

Method 1 - Direct Dial

Calling another VideoPhone or Mobile/PSTN phone

1. Enter the VideoPhone/Mobile/PSTN number, then press



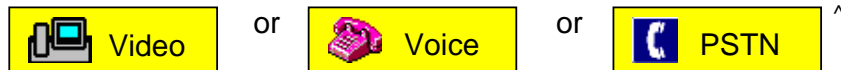
2. The message < **Dialling (phone number, name)** > will appear on the LCD screen

3. Wait for the call to be picked up at the remote end. Alternatively, press

SPEAKER to cancel call

Method 2 - Phonebook

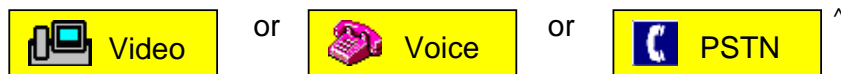
1. Press **PHONEBOOK** button to access the VideoPhone Phonebook. Either scroll through the list to the name of the person you wish to call using the **+** and **-** or using the SEARCH function by entering the name using the number pad
2. Once the name of the person whom you wish to call is selected, select the correct calling mode to start dialling



3. The message **< Dialling (phone number, name) >** will appear on the LCD screen
4. Wait for the call to be picked up at the remote end. Alternatively, press **SPEAKER** to cancel call

Method 3 – Received /Dialled Calls

1. Press either button **Received Calls** or **Dialled Calls**
2. Scroll through the call records and select the contact numbers to call
3. Select the correct calling mode to start dialling



4. The message **< Dialling (phone number, name) >** will appear on the LCD screen
5. Wait for the call to be picked up at the remote end. Alternatively, press **SPEAKER** to cancel call

^ For models with PSTN function only

VI. Receiving Calls

A. Manual answering using handset or speakerphone

When there is an incoming call, the VideoPhone will ring and the Network indicator (red LED) will start flashing. At the same time, the LCD screen will display the contact number of the caller. To answer the call, simply pick up the handset or press **SPEAKER** to engage in speakerphone mode.

Auto answer mode

User may also enable the **Auto Answer** feature so that VideoPhone user will automatically answer an incoming call. To enable this feature, press the **MENU** button, scroll cursor to select **Call Settings** followed by **Others** and press **SELECT**. Scroll to **Auto answer** and press **SELECT** button to set either **1 ring**, **2 rings**, **3 rings**, **4 rings** or **5 rings**. An indicator "A" will be shown on the screen when the feature is activated.

To disable **Auto Answer** feature, select **Off**.

To enable Auto Answer password mode, scroll and select **AutoAns password** setting, configure a password (maximum 6 digits) and press **SELECT** button to save the password.

When a call is made from another VideoPhone, a blue page with a key-shape pattern will be shown on the caller's screen, the caller can activate the **Auto Answer** feature by entering the correct password followed with the # key. The call will be terminated in 30 seconds if no correct password is being entered.

To disable the password protection, simply leave the **AutoAns password** field blank.

*Note: Auto Answer password protection is a Video Call feature.


During calling session

Once the call is successfully established with another VideoPhone, user will immediately see the image of the person you are talking to. There are some features that user can tune or adjust to optimise your videoconferencing experience:


i) **Volume**

The  and  buttons allows you to adjust the loudness of the speaker or handset

ii) **Audio Mute**

Press  to disable your voice from being transmitted if you do not wish to be heard by the remote user

iii) **Privacy mode**

Press  blocks your image from being transmitted so that the remote user sees only a blue screen

iv) **Brightness & Contrast**

The brightness and contrast can be controlled using the respective buttons by the top of the LCD panel

VII. Application#

Application consists of features such as Messaging, Audio Clip, Photo Shot, InfoService and even Tetris.

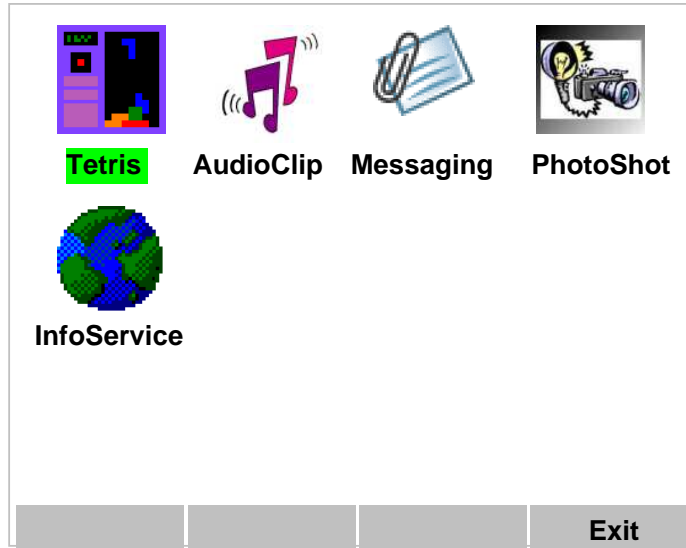


Fig 7.1 Application Screen

A. Messaging

A1. Configure Messaging Settings

1. Press **MENU** button and select **Settings**
2. Scroll cursor to select **Messaging Settings**

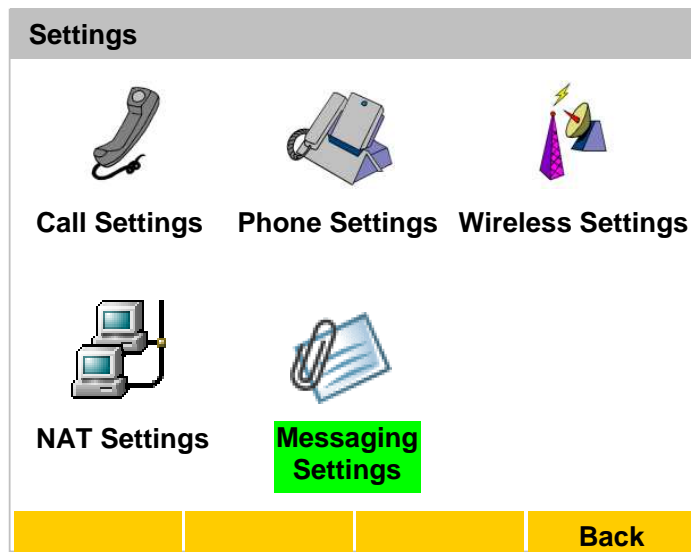


Fig 7.2 Main Menu

3. Scroll to **Email Account** setting and enter the assigned email address as provided by your ISP via the number pad
4. Repeat to configure **Email Password**, **POP3 Server**, **SMTP Server** and other settings

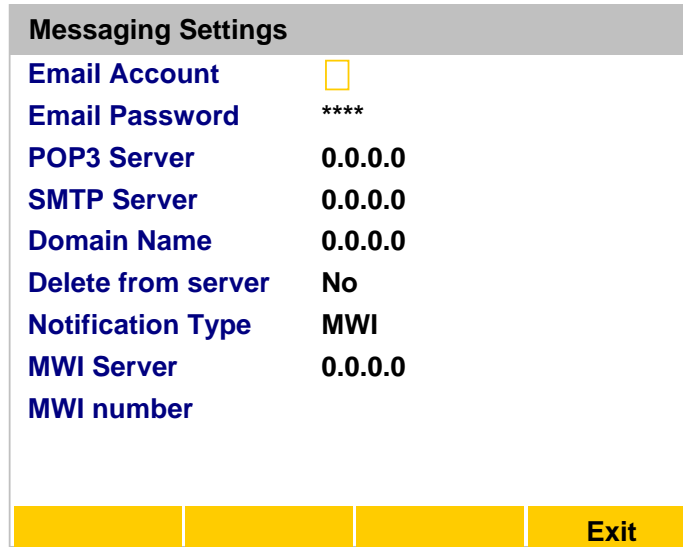


Fig 7.3 Messaging Settings

A2. Writing Messages

1. On the default self-view mode, press **MESSAGE** button to access the **Messaging** page
2. In the **Messaging** menu, scroll cursor with **+** and **-** to select **Text Message**
3. Press **SELECT** to access **Text Message** and navigate to **Compose New Message**

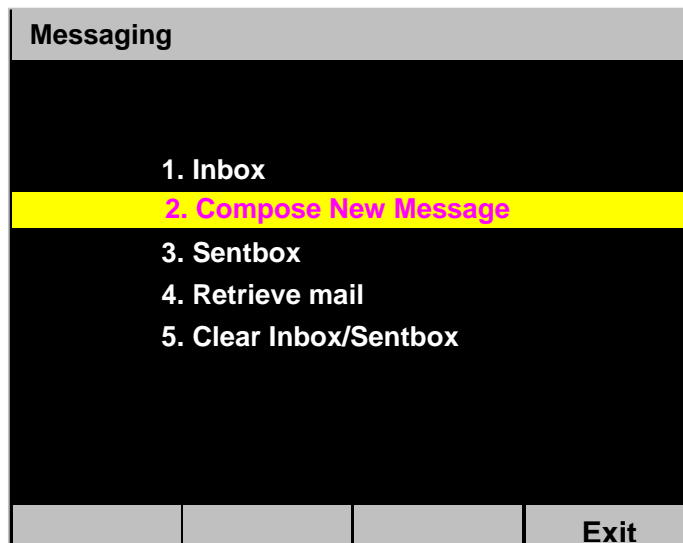


Fig 7.4 Compose New Message

4. For entering of text, refer to appendix C “Messaging Character Map”

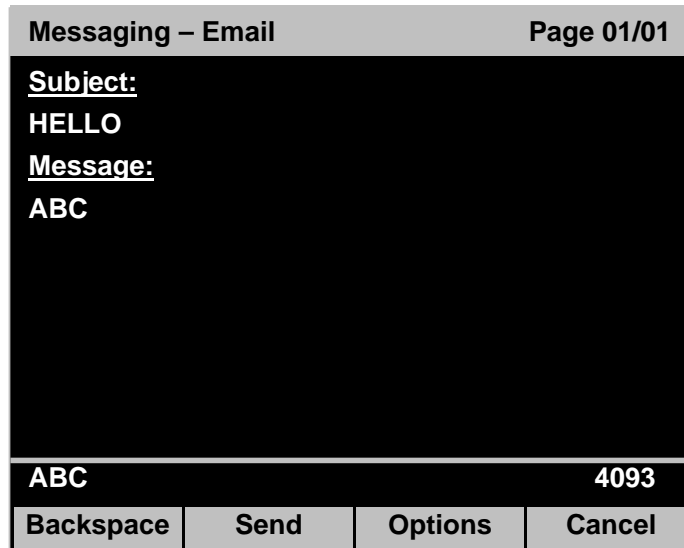


Fig 7.5 Creating New Message

5. When ready to send, select on **Send**
6. In the Send to field, enter the recipient email address and then select on **Send Email**

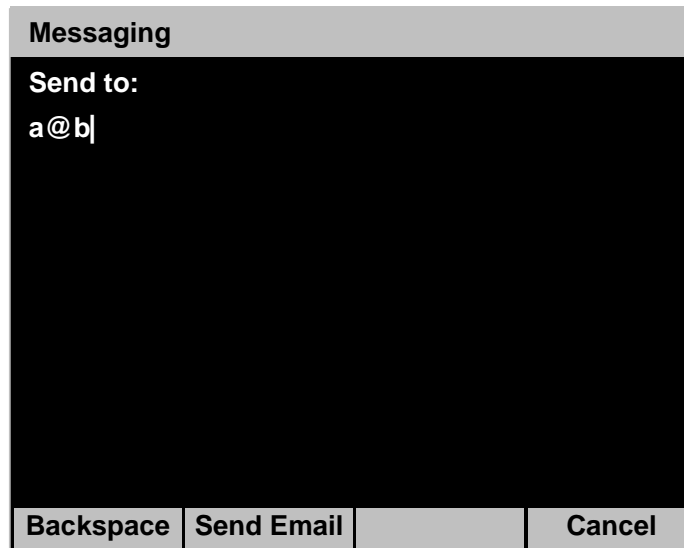





Fig 7.6 Send Email

A3. *Reading Messages*

1. On the default self-view mode, press **MESSAGE** button to access the **Messaging** page

2. In the **Messaging** menu, scroll cursor with  and  to select **Text Message**
3. Press  to access **Text Message** and navigate to **Inbox**

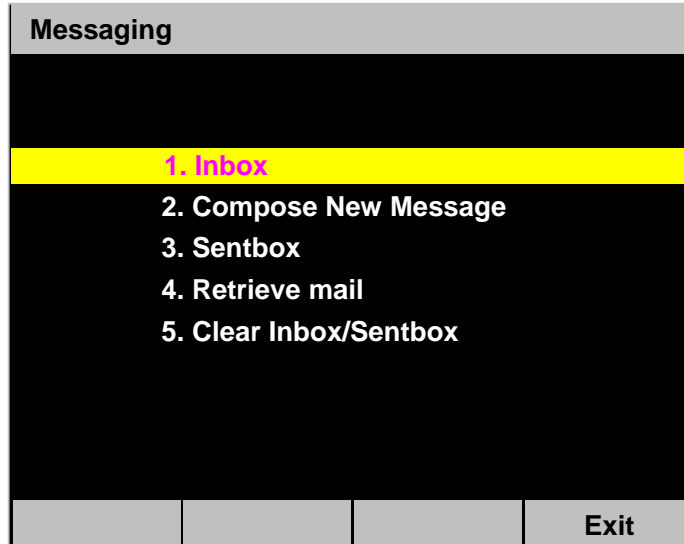


Fig 7.7 Messaging Options




4. In **Messaging – Inbox**, select message with  and 
5. Press  to read selected message



Fig 7.8 Inbox with received messages

B. Photo Shot

B1. Configure Photo Shot Settings

1. On the default self-view mode, press **MENU** button to access the **Menu** page
2. Navigate to **Application** icon and press **SELECT** button to open **Application** option
3. Scroll cursor to select **PhotoShot**
4. Select **Settings** button by pressing the F3 key

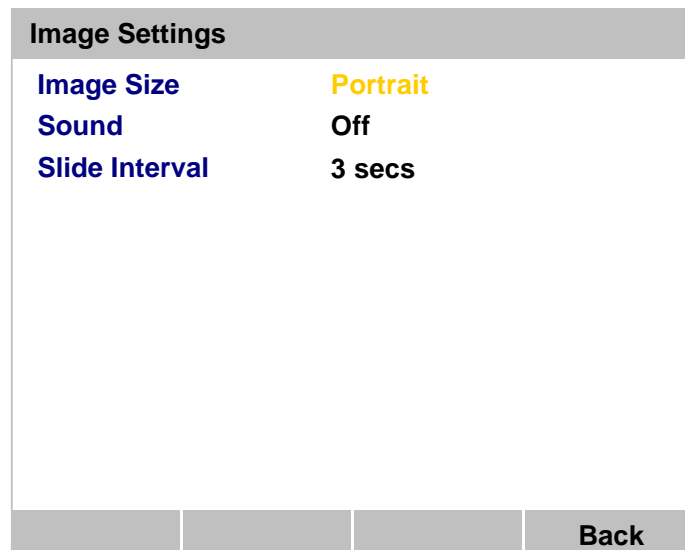


Fig 7.9 Configure Photo Shot Settings

B2. Taking Photo Shots

1. Select **Capture** button by pressing the F1 key

B3. Viewing Photo Shots

1. Select **Album** by pressing the F2 key

C. Audio Clip

C1. Creating new Audio Clip

1. On the default self-view mode, press **MENU** button to access the **Menu** page
2. Navigate to **Application** icon and press **SELECT** button to open **Application** option

3. Scroll cursor to select **AudioClip**
4. Select **Record** button by pressing the F1 key
5. Select **Start** button by pressing the F2 key to begin recording
6. Select **Stop** button by pressing the F2 key to end recording

C2. *Playing Audio Clip*

1. On the default self-view mode, press **MENU** button to access the **Menu** page
2. Navigate to **Application** icon and press **SELECT** button to open **Application** option
3. Scroll cursor to select **AudioClip**
4. Select **Playlist** button by pressing the F2 key
5. Scroll cursor with **+** and **-** to select ring tone to play
6. Press **Playback** to listen to ring tone

D. *InfoService*

A one-stop location to view latest information and allows user to contact the provider for more details

1. On self-view mode, press F1 when seeing the ticker tape or **MENU** followed by **Application** and then **InfoService**
2. Scrolling of images are automated and can be paused by pressing F1
3. By selecting F2 - Action, call can be made to contact provider of respective image
4. To go to next Image without waiting or when image is paused, press F3 - Next to go to the next available image
5. Press F4 - Exit to exit the InfoService

If the VideoPhone has screen saver mode enabled, the IDS will run one time before it goes into screen saver mode.

Optional, press **MUTE** to disable audio

Feature in reference requires check on availability

VIII. Other Functions

MTA 5000 IP VideoPhone – One Connection



Frequently Asked Questions

Q1: MTA 5000 IP VideoPhone displays a message “Searching ...” on the bottom right hand corner of the LCD screen, and the LED indicator turns red.

A1: There are some possibilities:

1. On the VideoPhone, go to “About” page and ensure the user can see a value in the Phone number and IP address. If not, switch off the VideoPhone, reset the DSL/cable modem (if any), and switch on the VideoPhone again.
2. Make sure the VideoPhone has proper network settings according to the “Configuration” section of the manual.

Q2: MTA 5000 IP VideoPhone has no self-view.

A2: Please try the followings:

1. Press **MENU** button, scroll and select **Settings** and **Phone Settings** to ensure the “Video source” is set to “Internal” camera mode.
2. Ensure the camera shutter is open

Q3: MTA 5000 IP VideoPhone is unable to call another VideoPhone.

A3: Make sure the message “Searching ...” is not shown on the LCD screen. Check if the RJ-45 Ethernet cable is connected properly to the WAN port of the VideoPhone. If problem persists, reboot the VideoPhone and try again.

Q4: MTA 5000 IP VideoPhone displays a message “Network Unavailable” on the LCD screen when trying to make an outgoing call.

A4: Make sure the message “Searching ...” is not shown on the LCD screen. Check if the RJ-45 Ethernet cable is connected properly to the WAN port of the VideoPhone. If problem persists, reboot the VideoPhone and try again.

Q5: MTA 5000 IP VideoPhone displays a message “Number Unavailable” on the LCD screen when trying to make an outgoing call.

A5: The VideoPhone of the called party is not reachable temporarily due to network outage, or it may be switched off. Try calling the remote party at a later time.

Q6: Cannot see the VideoPhone user from the other end.

A6: There are some possibilities:

1. Ensure the “Privacy” mode of the other end is not activated.
2. Make sure the LCD screen is displaying the remote view, or the picture-in-picture view by pressing the **VIEW** button.

Q7: Cannot hear the VideoPhone user from the other end.

A7: Ensure the **MUTE** mode of the other end is not activated.

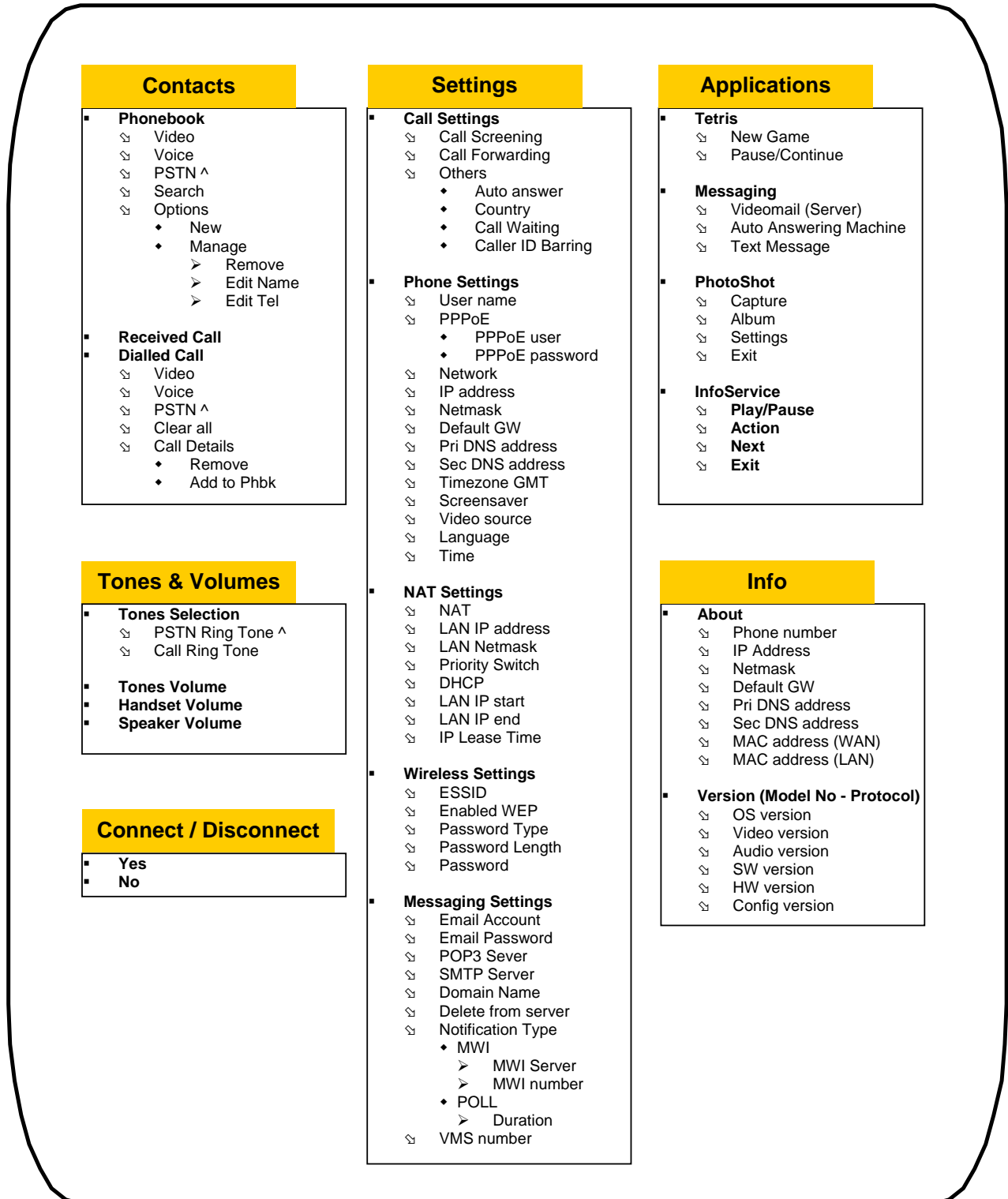
Q8: During PPPoE login, LCD display message <PPPoE login failed >

A8: Ensure the correct PPPoE user and PPPoE password are configured in the VideoPhone and try the PPPoE login again

Appendix A:







Navigation Menu

The following chart is an overview of the Navigation Menu




Appendix B:

Tones & Volumes


| Fields | Remarks |
|------------------|---|
| PSTN Ring Tone ^ | Select Ringtone1 , Ringtone2 , Ringtone3 , Ringtone4 or Ringtone5 to set the incoming ring tone for PSTN calls |
| Call Ring Tone | Select Ringtone1 , Ringtone2 , Ringtone3 , Ringtone4 or Ringtone5 to set the incoming ring tone for IP calls |
| Tones Volume | Use  or  to adjust the volume of ring tones when VideoPhone is in idle mode or during a call |
| Handset Volume | Use  or  to adjust the volume of handset when VideoPhone is off hook or during a call |
| Speaker Volume | Use  or  to adjust the volume of speaker when VideoPhone is in speaker mode or during a call |

Phone Settings

| Fields | Remarks |
|--------------|---|
| User name | A generic name that is assigned to your VideoPhone |
| PPPoE | <ul style="list-style-type: none">Press  to turn ON/OFF featureOnce the feature is turn ON, entered the assigned settings for PPPoE user and PPPoE password |
| Network * | Require to select WAN mode via <ul style="list-style-type: none">Auto - Automatic network type detectionWAN - EthernetWIFI - Wireless |
| IP address * | Either <ul style="list-style-type: none">Static IP - Manually enter the IP address of the VideoPhone |

| Fields | Remarks |
|-----------------|---|
| | Or <ul style="list-style-type: none"> Dynamic IP - DHCP/PPPoE server will assign settings (IP, Netmask, Default GW) when the field is left as 0.0.0.0 |
| Netmask * | Either <ul style="list-style-type: none"> Manually enter the Netmask of the network Or <ul style="list-style-type: none"> DHCP/PPPoE server will assign the setting when the WAN IP Address is left as 0.0.0.0 |
| Default GW * | Either <ul style="list-style-type: none"> Manually enter the Gateway IP in the network Or <ul style="list-style-type: none"> DHCP/PPPoE server will assign the setting when the WAN IP Address is left as 0.0.0.0 |
| Pri DNS address | Configure the IP address of the primary domain name server |
| Sec DNS address | Configure the IP address of the backup domain name server |
| Timezone GMT | Scroll and select one out of the 28 pre-configured time zones |
| Screensaver | This feature enables the LCD to activate screensaver when VideoPhone is engaged in power save mode. Selectable settings are 2 mins, 10 mins, 30 mins, 1 hour, 2 hours and Never |
| Video source | Select Internal to enable the embedded camera in VideoPhone or External for other external camera source |
| Language | Select English or Simplified Chinese for the preferred language display in Menu and LCD messages |
| Time | Configure the time and date on the unit |

Call Settings

| Fields | Remarks |
|-------------------------------|---|
| Call Screening | Select ON to enable the call screening feature |
| Screening List | Manually enter the telephone numbers to be screened |
| Call Forwarding | Select ON or OFF for status to enable the call forwarding features. Select All Callers , Selective Caller , Time (From Now Till) , No Answer , Busy , Failure Case or Forking to determine the call forwarding mode. Select Disable All Forwarding to disable call forwarding |
| Auto answer | Select 1 ring , 2 rings , 3 rings , 4 rings or 5 rings . To enable VideoPhone to auto answer mode. Select OFF to disable feature |
| AutoAns password [↵] | Configure a password (1 - 6 digits). Any received calls would require incoming caller to enter the password before VideoPhone allows video image transmission |
| Country | Press  repeatedly to scroll and select the appropriate busy tone used in the country for the PSTN line |
| Call Waiting | Select ON to turn on the Call Waiting feature |
| Caller ID Barring | Select ON to turn on the Caller ID Barring |

NAT Setting

| Fields | Remarks |
|------------------|---|
| NAT | <ul style="list-style-type: none"> ▪ Turn ON NAT mode, VideoPhone will provide basic routing functions for LAN devices (e.g. PC) that are connected via VideoPhone PC port ▪ Turn OFF NAT mode, VideoPhone will assume bridge mode function, hence other end devices connected to VideoPhone will either alternate the same set of network settings or have a separate sets of settings from VideoPhone |
| LAN IP address ~ | Configure a LAN IP address for VideoPhone |

| Fields | Remarks |
|-----------------|---|
| LAN Netmask ~ | Configure a LAN Netmask for VideoPhone and other LAN devices |
| Priority Switch | <ul style="list-style-type: none"> ▪ Turn ON to give priority for media packets (Voice and Video) transmission ▪ Turn OFF to assign same priority to both media and data packets transmission |
| DHCP~ | Turn ON for VideoPhone to assign a dynamic IP settings to LAN devices (e.g. PC) |
| LAN IP Start ~ | The first IP address within the range of LAN setting |
| LAN IP End ~ | The last IP address within the range of LAN setting |
| IP Lease Time ~ | The duration for LAN devices to assume the LAN settings assigned by VideoPhone |

Messaging Settings

| Fields | Remarks |
|--------------------|--|
| Email Account | Configure the login ID of email account |
| Email Password | Configure the password of email account |
| POP3 Server | Configure the incoming server where the VideoPhone will retrieve messages from |
| SMTP Server | Configure the outgoing server where the VideoPhone will send out messages through |
| Domain Name | Configure the Domain name of the email account |
| Delete from server | Select NO to retain messages in mail server or YES to remove from mail server after retrieving in VideoPhone |
| Notification Type | Select MWI or POLL to assign the method used for retrieving messages from the mail server |
| VMS number | Specify the voicemail number for IP calls |

Wireless Settings #

| Fields | Remarks |
|---------------|--|
| ESSID | This setting is required in the signalling process with the wireless access point. Configure the same ESSID as that found in the corresponding access device |

| Fields | Remarks |
|-----------------|---|
| Enabled WEP | As a security protocol, WEP provides the encryption in media transmission. Select ON to enable and OFF to disable encryption |
| Password Type | The setting defines the type of key require to encrypt and decrypt the packets. Hex characters range from 0 - 9 and A - F (case sensitive) while ASCII characters range from 0 - 9, A - Z (case sensitive) and standard ASCII symbols |
| Password Length | Selectable settings between 128 bits (32 characters) and 64 bit (16 characters) |
| Password | Configure the key that VideoPhone requires in the encryption/decryption of packets during media transmission with the access point |

* Compulsory settings

⌋ Require Auto Answer turn ON in VideoPhone

' Require Voicemail turn ON in VideoPhone

~ Require NAT turn ON in VideoPhone

^ For models with PSTN function only

For models with Wireless support only

Appendix C:

Character Map

| Number keys | Characters |
|-------------|--|
| 0 | 0 @ _ & ~ () + * / = < > # \$ % ^ [] { } |
| 1 | . 1 ? ! , ' " - : ; |
| 2 | A B C 2 |
| 3 | D E F 3 |
| 4 | G H I 4 |
| 5 | J K L 5 |
| 6 | M N O 6 |
| 7 | P Q R S 7 |
| 8 | T U V 8 |
| 9 | W X Y Z 9 |







Messaging Character Map

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| 4 | G H I 4 |
| 5 | J K L 5 |
| 6 | M N O 6 |
| 7 | P Q R S 7 |
| 8 | T U V 8 |
| 9 | W X Y Z 9 |

- CASE option

Appendix D:




Icons displayed at the bottom left corner of LCD screen

| | | | |
|---|--|---|--|
|  | Indicates that Auto Answer is enabled |  | Indicates that there are missed call(s) |
|  | Indicates that you are on Speaker mode |  | Indicates that there are incoming message(s) |
|  | Indicates that Mute is enabled |  | Indicates that there are voice message(s) |





Icons displayed from the Main Menu

| | | | |
|---|----------------|---|----------------------|
|  | Contacts |  | Info |
|  | Settings |  | Application |
|  | Tones & Volume |  | Disconnect / Connect |






Icons displayed from Contacts

| | | | |
|---|---------------|---|----------------|
|  | Phonebook |  | Received Calls |
|  | Dialled Calls | | |




Icons displayed from Tones & Volume

| | | | |
|---|-----------------|---|----------------|
|  | Tones Selection |  | Tones Volume |
|  | Handset Volume |  | Speaker Volume |






Icons displayed from Settings

| | | | |
|---|-------------------|---|--------------------|
|  | Call Settings |  | Phone Settings |
|  | Wireless Settings |  | Messaging Settings |
|  | NAT Settings | | |

Icons displayed from Call Settings

| | | | |
|---|----------------|---|-----------------|
|  | Call Screening |  | Call Forwarding |
|  | Others | | |

Icons displayed from Applications

| | | | |
|---|-----------|---|-------------|
|  | Tetris |  | AudioClip |
|  | Messaging |  | InfoService |
|  | PhotoShot | | |

Appendix E:

Messages that may display on your LCD screen

| Messages | Description |
|-------------------------|--|
| "Busy" | Remote party is not answering the call. |
| "Wrong number" | Number dialled is not in the subscriber list of the Call Agent. Please check to ensure that the dialled number is correct, and registered to the same Call Agent as the Caller's VideoPhone. |
| "Number unavailable" | Number dialled is currently not registered to the Call Agent. |
| "Number unreachable" | Number dialled is currently not ready to receive call. Try again later. |
| "Network unavailable" | Network is currently unavailable. Try again later. |
| "Service unavailable" | Service is unavailable for use. Verify VideoPhone's settings are correctly configured and check for service availability (For checking of settings, refer to "Searching...") |
| "No network connection" | Check with network service provider to verify if there are any issues with the network. |
| "Searching..." | Phone is attempting to locate the Call Agent. Please verify if all network settings (as below) are correctly configured. <ul style="list-style-type: none">▪ IP Address - Check to see if a valid IP address is assigned to the VideoPhone by entering the "About" page via "Menu" -> "Info" -> "About"▪ Phone Number - Check if a valid VideoPhone Number is entered▪ Default Gateway - Check if a valid gateway is entered▪ Call Agent IP - Check if an IP address is provided for the Call Agent parameter |
| "Registration failed" | Registration to the Call Agent has failed. Please check if VideoPhone number is valid. |

| | |
|---|--|
| “Initialising PPPoE, please wait...” | VideoPhone is attempting to initialise PPPoE. If the message appears consistently, please ensure that the validity of PPPoE settings. |
| “PPPoE login failed” | Connection via PPPoE has failed. Please check the PPPoE login credentials. |
| “Profile updating, please wait...” | The VideoPhone’s profile is being updated. |
| “Upgrading system, may take about 15 mins, please wait..” | The VideoPhone’s firmware is being upgraded. Do not power off the unit during this process. Corruption of firmware may occur if this process is interrupted. |
| “Initializing network, please wait..” | VideoPhone is attempting to initialise a connection. |
| “Initializing DHCP, please wait..” | VideoPhone is attempting to initialise DHCP. If the message appears consistently, please ensure that the validity of DHCP settings. |
| “Rebooting system, please wait...” | VideoPhone is rebooting. Do not power off the unit. |
| “Registering, please wait...” | VideoPhone is registering to the Call Agent. |
| “Network error” | PPPoE network has failed. Verify that VideoPhone’s PPPoE settings are correctly configured and check with network service provider if problem persists. |
| “Network link disconnected” | Check if the network cable (RJ45) is securely plugged into the WAN port. |
| “Connection OFF” | Network connection is currently not available. |
| “Not registered for this service” | Service is currently not available or VideoPhone has to be registered to use the service. |

Product Approval Information

1. FCC PART 68 INFORMATION

This equipment is Hearing Aid Compatible.

This equipment complies with Part 68 of the FCC Rules and the requirements adopted by ACTA. On the bottom of this equipment is a label that contains, a product identifier in the format US:AAAEQ##TXXXX. If requested, this information must be provided to your telephone company.

A plug and jack use to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may connect to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact your local telephone company. For product approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without the decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

If this equipment MTA 5XXX-XYX IP VideoPhone (where X= any number 0-9 and Y= any alphabet A-Z) causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make 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 in order for you to make necessary modifications to maintain uninterrupted service. If trouble is experienced with this unit, for repair or warranty information, please contact customer service at the address and phone listed below. If the equipment is causing harm to the network, the telephone company may request that you disconnect the equipment until the problem is resolved.

DO NOT DISASSEMBLE THIS EQUIPMENT. It does not contain any user serviceable components.

We recommend the installation of an AC surge arrester in the AC outlet to which this equipment is connected. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources.

Attn: Customer Service Dept
InnoMedia, Inc.
186 Topaz Street
Milpitas, CA 95035-5429
Tel: (408) 432-5400
Fax: (408) 432-5404

II. FCC DECLARATION OF CONFORMITY

PRODUCT NAME: Multifunctional Telephone with IP VideoPhone
MODEL NUMBER: MTA 5XXX-XYX (where X= any number 0-9 and Y= any alphabet A-Z)
FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE 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.

INFORMATION TO USER:

This equipment has been tested and found to comply with the limits of 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:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

InnoMedia, Inc.
186 Topaz Street
Milpitas, CA 95035-5429
Tel: (408) 432-5400
Fax: (408) 432-5404

Declaration of Conformity

according to ISO/IEC Guide 22 and EN45014

Manufacturer's Name: InnoMedia Pte Ltd

Manufacturer's Address: 10, Science Park Road, The Alpha, #03-04,
Singapore Science Park II, Singapore 117684.

Declares that the products:

Product Name: Broadband IP VideoPhone

Model Number: MTA 54XX-XYX
where X= any number 0-9 or blank and
Y=any alpha A-Z or blank

Conforms to the following specifications:

EMC: EN55022 : 1998 (CLASS B)
EN 61000-3-2 : 2000 (CLASS A)
EN 61000-3-3: 1995 + A1 : 2001
EN55024 : 1998 + A1:2000 + A2:2003

Safety: EN 60950 : 2000

PSTN: ETSI TS103021-1, -2, -3 (2003)
TBR 38 (May 1998)

Supplementary Information:

The product herewith complies with the requirements of the following directives and carries the CE marking accordingly:

EMC directive (89/336/EEC)
Low Voltage Directive (73/23/EEC)
RTTE directive (1999/5/EC and 98/13/EC)

For Compliance information ONLY, contact:

InnoMedia Pte Ltd
10, Science Park Road, The Alpha, #03-04,
Singapore Science Park II, Singapore 117684.



Daniel Wong
Senior Operations Manager

Note: PSTN conformity only applies to MTA54XX with PSTN support.



This mark indicates that this product must not be disposed of with your regular household waste. The separate management of electronic equipment will bring about the proper disposal of electronic waste and reduces pollution. Please contact your local recycling centres or waste management centres for more information.

** Please note that the compliance certification indicated are applicable only to models with the appropriate certification. Please check the bottom of the product for compliance.

