



Xcelerator IP



IP2007 User Guide

Issue	Release Date	Changes	Page
1.0	3-07	Initial release	--

“WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause [cancer, and] birth defects or other reproductive harm. ***Wash hands after handling.*”**

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set/2007

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Introduction

Read the *Introduction* chapter to:

- review the contents of the IP2007 phone package
- identify the phone buttons and the hardware

IP2007 Product Description

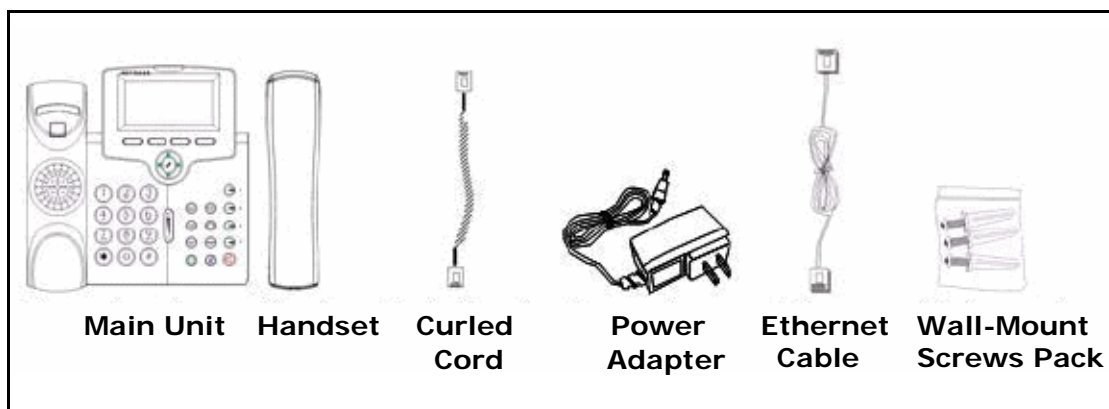
The IP2007 IP Phone is a fully featured IP phone integrating voice and data connectivity to the Xcelerator IP gateway. The IP2007 is feature rich SIP endpoint that provides a full suite of telephony features and a dual port 10/100baseT LAN switch to allow for a single wire to the desktop solution where the PC is connected through the second port on the IP2007 IP phone.

The IP2007 provides both aural and visual queues to support the various options and activities supported. Please refer to the section "Identifying Buttons and Hardware" for further descriptions of the features, functions, and operations associated with the IP2007.

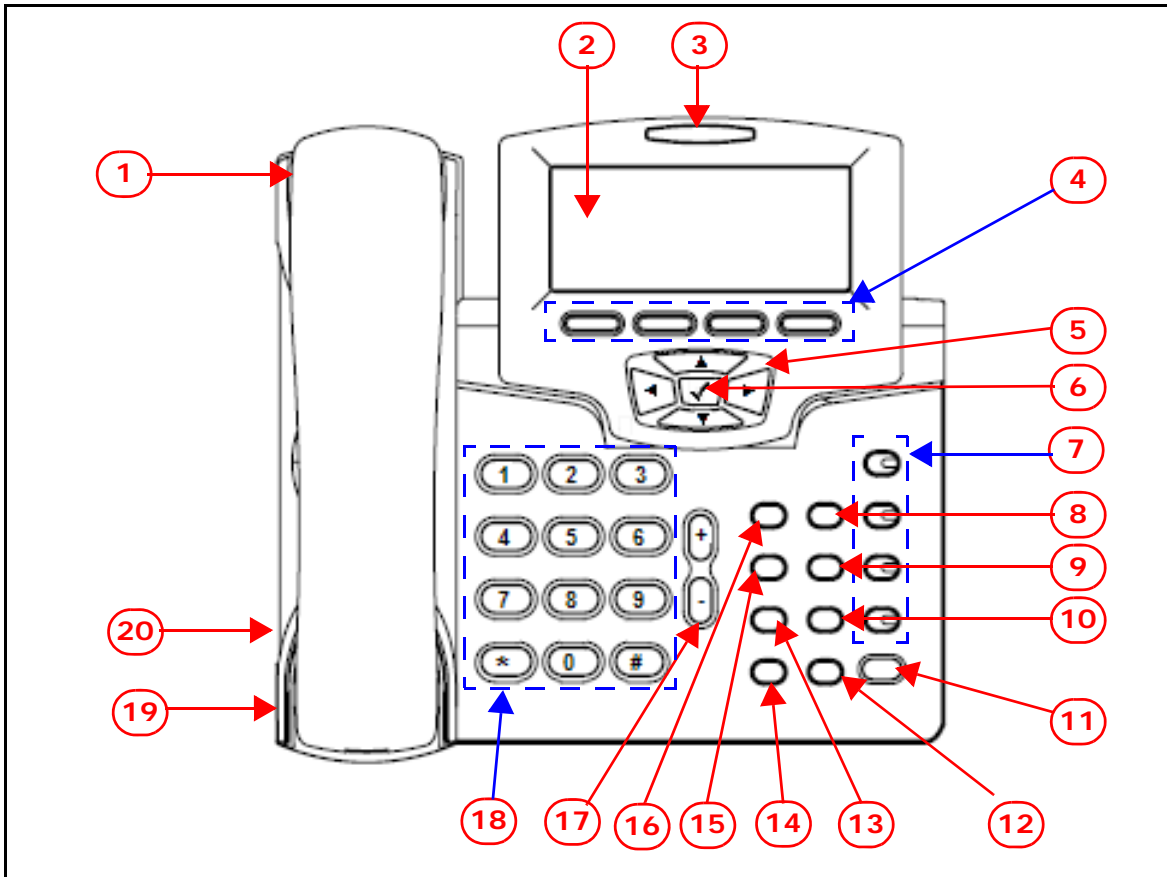
Package Contents

Upon opening the package, ensure that the following items are included and that there is no damage. If you find any problem with them, contact the reseller or supplier for assistance.

- IP phone (with stand kit assembled on the back of phone)
- Handset
- Curled phone cord
- Power adapter (Different appearance for different country area)
- Ethernet cable
- Wall-mounting screw pack
- User Guide
- Warranty card














Identifying Buttons and Hardware



IP Phone Function Keys

No.	Part Name	Description of Function
1	Handset	Phone Handset
2	LCD	The LCD shows phone features such as the time, date, your phone number, caller ID, line/call status, and soft key tabs.
3	Message LED	This LED illuminates red to indicate a message waiting status.
4	Soft Keys	These four keys are used for item selection or control on the LCD screen. Each key function depends on its corresponding content displayed on the LCD at that time. (Example: Press soft key 1 to enter the configuration menu).
5	Navigator Control Keys	Four arrows on the Navigator Control are used to scroll through items on the LCD screen.
6	Navigator [✓] OK Key	This key is normally used to confirm a configuration setting or phone number dial.

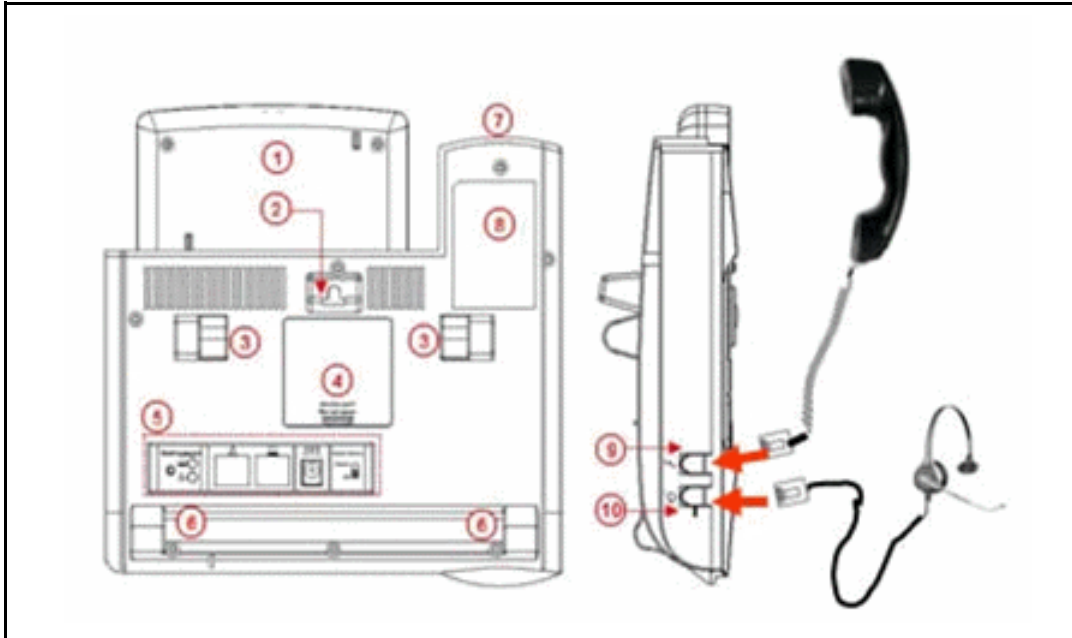
No.	Part Name	Description of Function
7	Number Keys (1,2,3,4) 	These four keys can be used for line selection or programmable features. A green LED is associated with each key to indicate its line/call status.
8	Transfer Key 	This key is used to transfer a call to another IP phone.
9	Redial Key 	This key is used to redial the last dialed number automatically.
10	Hold Key 	The Hold key is used to place the current call on hold and allows you to then answer another new call. Pressing the key again will release the hold function.
11	Speaker Key 	This key is used to activate/de-activate the Handsfree dial or talk. A green LED is associated to indicate its status.
12	Mute Key 	This MUTE key is used to activate/de-activate the voice transmit from this IP phone. A red LED is associated to indicate its status.
13	Phone Book Key 	This key is used to enter the Phone Book to place a call or to edit. The LCD screen will provide Phone Book prompts once this key is pressed.
14	Headset Key 	This key is used to activate/de-activate the headset. A green LED is associated to indicate its status.
15	Conference Key 	This key is used to drop the current multiple-connected phones into a conference. It is a phone-bridged function.
16	Message Key 	This key is used to get access to the voice mail system for message retrieval.
17	Volume Control Key 	This key is used for volume control: When the phone is idle, the ringer volume is adjusted. When talking on an active call, the Handset/Speaker/Headset output volume is adjusted.
18	Numeric Keypad (0-9, *, #)	This is the numeric keypad for dialing numbers.
19	Headset Wire Port	RJ-9 jack by the left bottom side of IP phone
20	Headset Cord Port	RJ-9 jack by the left bottom side of IP phone

LED Status Indicators

No.	Key/Indicator	Color	Static OFF	Static ON	Blinking ON/ OFF
8	Message indicator	Red	No new messages	N/A	Slow blinking for new voice message indication
13	Number keys	Green	Default	Mode Headset: During call Mode Handset: During call only if hands-free is active.	Headset/Handset Mode: Ringing cadence on incoming call; Group listening in active cadence
14	Speaker key	Green	Default; Handset or Headset modes.	When SPKR is on for on-hook dialing or hands-free talking. Headset & Handset are off.	When an incoming call is ringing (in Handset mode)
15	Mute key	Red	Mute is off.	Mute is on.	N/A
16	Headset key	Green	Default; Handset	When Headset is on for on-hook dialing or hands-free talking. Handset & Speaker are off.	When an incoming call is ringing (in Headset mode). [The rings take place in speaker and headset]
8, 13, 14, 15, & 16	All LEDs for system status	Green	Ready	Boot: During system booting	Boot: When system booting failure or fault occurs.

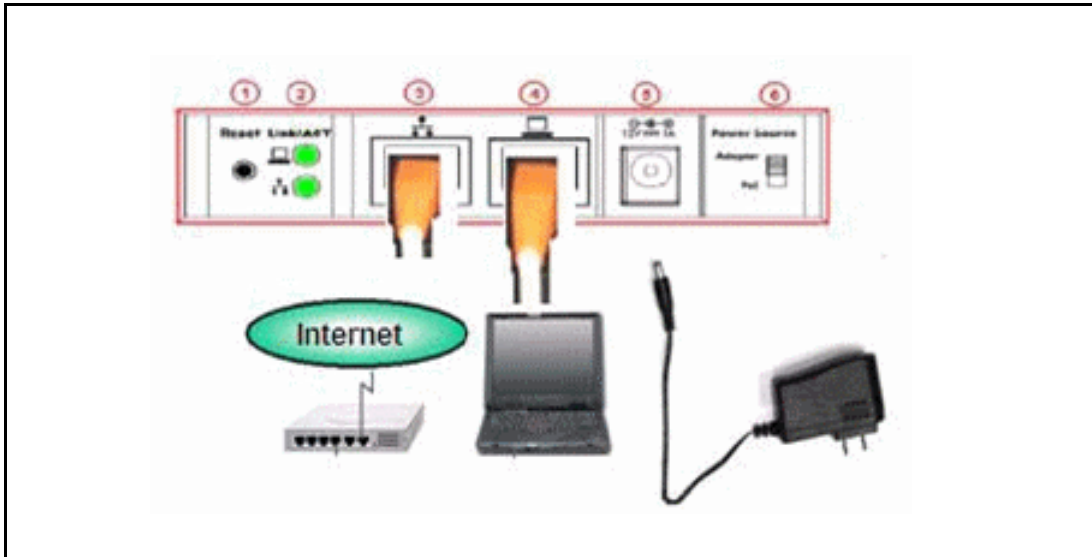
IP Phone Rear & Side Views

The following illustrates the rear and side views of the IP phone. Refer to the callout numbers, and associated simple description of the part in the following table.



No.	Part Name	Description of Function
1	LCD screen cover	The back of the LCD screen
2	Wall-Mount Hole	For mounting the phone on the wall
3	Hinge of Stand	A leg is installed here to support the IP phone at different angles. For wall-mounting, remove the leg.
4	Service door	The Service Door is only for engineering use. Inside, there is a console port. Users should not open this door. [Note: To use this port, you need a special converter cable (RJ-45 to DB-9)]
5	Input/Output ports	For installation, connect the cables here (refer to the next figure and associated table for the details).
6	Hinge of Chassis	The small frame is fixed here. You do not need to disassemble this frame for wall-mounting.
7	The back of Cradle	This is the back cover of the handset cradle.
8	Product label	This shows product production information, including product model, serial number, and MAC address.
9	Handset cord port	RJ-9 jack on the side of IP phone.
10	Handset wire port	RJ-9 jack on the side of IP phone.

IP Phone In/Out Ports



No.	Part Name	Description of Function
1	Reset Button	The Reset Button is for system engineering use (The configuration will be reset to factory settings when pressed).
2	Link/Activity LEDs	The LEDs indicate the link status of the WAN and LAN ports.
3	WAN Port	RJ-45 Jack 100/10Mbps Ethernet port for connecting to IP network
4	LAN Port	RJ-45 Jack 100/10Mbps Ethernet port for connecting to PC or Notebook
5	Power Jack	If a power source from adaptor is required, use the standard power adaptor supplied in the package (12V/1000mA).
6	Power Source	There are two available sources for power: from Power Adaptor or PoE (Power over Ethernet). The default is Adaptor. Please set to the appropriate option before installation. Default setting is Power Adaptor. Only the Ethernet WAN port supports PoE.

2

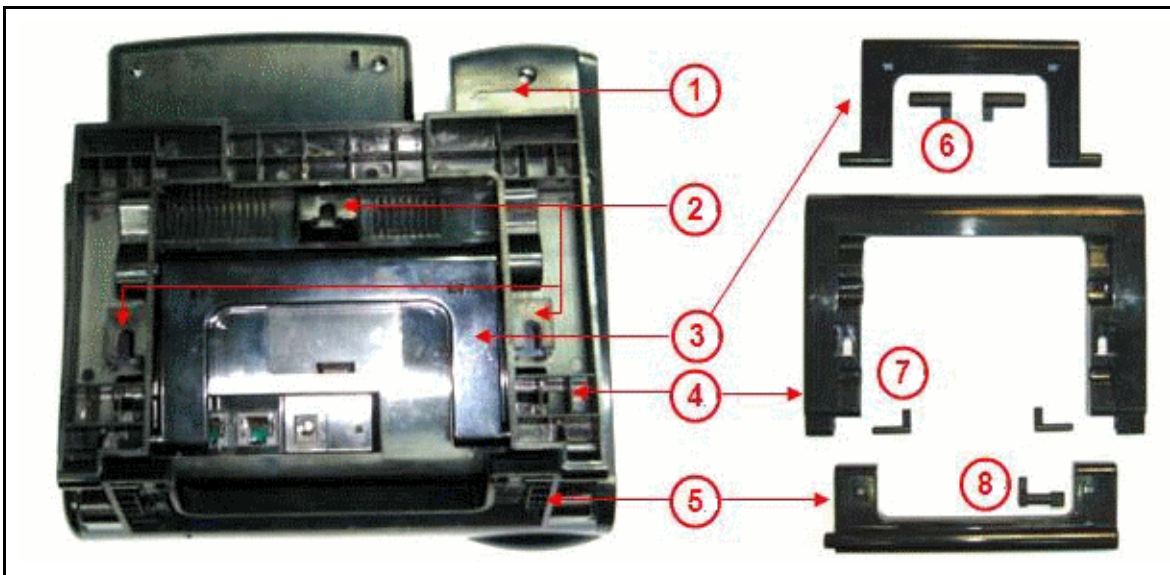
Install & Connect the Phone

Read the *Install & Connect the Phone* chapter to perform the following functions:

- set up the IP2007 Phone, the phone stand, and the power source switch
- connect the handset and the cables
- mount the IP2007 Phone on the wall

Assembling the IP Phone

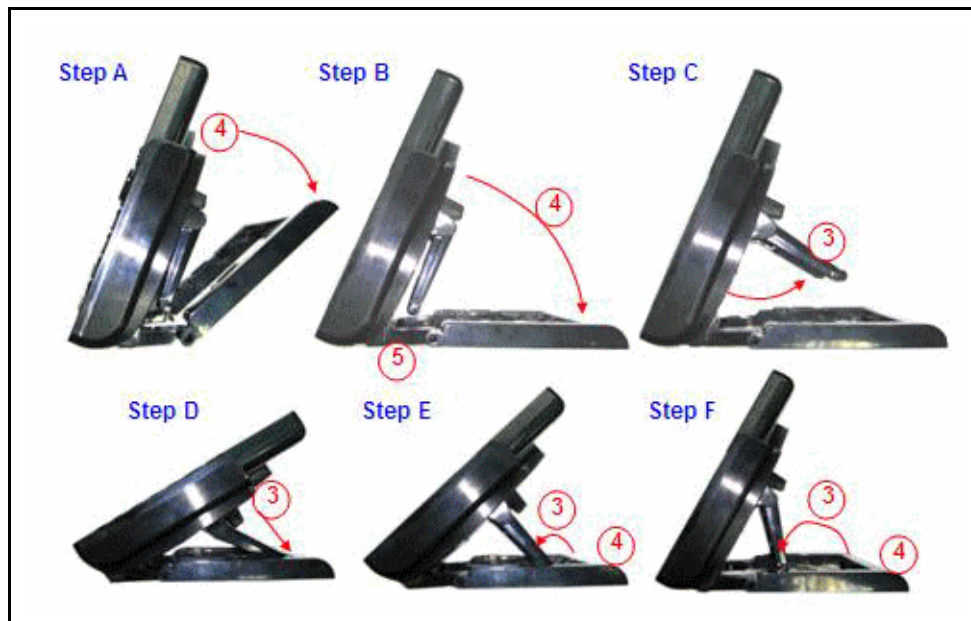
After removing the IP phone from the package, you will see the back of IP phone as shown in the following illustration. The phone (1) is already assembled with three frames. The U-type leg (3) is used with the big U-type frame (4) that has three step cavities for three angle positions. Another small U-type frame (5) is fastened to the big U-type frame (4) and the main body of phone (1). You may find these frames are locked together with different latches (6), (7), and (8) respectively. Do not touch latches (7) and (8). The latch (6) will be removed if you are do a wall-mount.



Setting Up the Stand

Refer to the following steps and the associated illustration to setup the stand of the IP phone.

- Step A Move the big U-type frame (4) downward.
- Step B Move the big U-type frame (4) downward to the flat level. The small U-type frame (5) will get flat concurrently.
- Step C Move the U-type leg (3) upward.
- Step D Seat the U-type leg (3) onto the big U-type frame (4) at about a 30° angle position.
- or-
- Step E Pull-in the U-type leg (3) and seat it at about a 45° angle position in the big U-type frame (4).
- or-
- Step F Pull-in the U-type leg (3) and seat it at about 60° angle position in the big U-type frame (4).



Connecting the Handset

Use the curled cord (1) to connect to the phone jack (3) at the bottom of the handset (2), as shown in the following illustration. Plug the other end of curled cord to the Handset jack (5) on the side of IP phone. The other RJ-9 jack (4) is for a headset. This completes the assembly of the IP phone.



Setting the PoE or PA Power Source Switch

Before connecting the cables, set the power source switch to the correct position. It is located to the right of the I/O ports on the back, as shown in the following illustration.

Use a pen to set it to one of the following:

Adaptor position - Use this position if you are using an external standard power adaptor.

PoE position - Use this position if you can offer Power over Ethernet (PoE, IEEE802.3af compliant) to the phone.

The Power source switch default setting is "Adaptor".



Connecting the Cables

To avoid any problems caused by power-on, the power source will be applied to the phone last. Do not plug the adaptor head to the wall socket if you are using Power adaptor. Do not plug the Ethernet cable to the uplink switch if you are using PoE.

Prepare the Ethernet cable(s), attached in the package, and power adaptor (no need for PoE user). Plug the cable(s) to their corresponding ports on the back of the IP phone. It is recommended that you set the stand angle at a 60° angle so that room is sufficient for easy access to connect the cables. Arrange the cables to go under the big U-type frame as shown in the illustration.



Full Connection Example

The following illustration is an example of a full connection.

(1) To Handset thru curled cord, (2) to IP Network thru Ethernet cable, (3) to PC/ Notebook thru Ethernet cable, (4) to wall socket thru Power adaptor, and (to use Headset, plug the headset with R-J9 plug to the Headset jack on the left bottom of the IP phone) (5) to headset thru headset cable.



Mounting the Phone On the Wall

The IP phone can be used on the desktop or mounted on a wall.

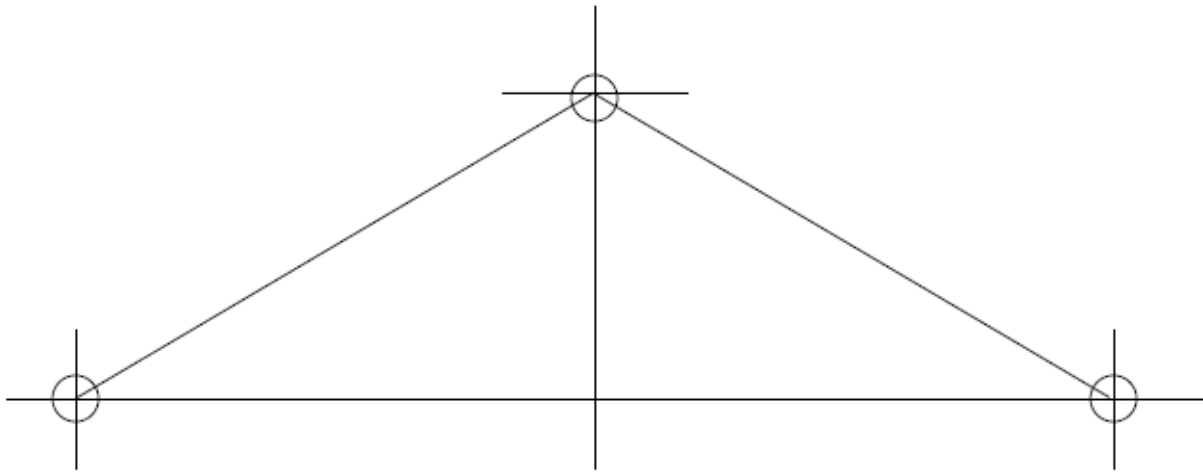
Print the screw alignment template (on the next page) and tape it on the wall to position the 3 screws provided at the right place for the mount-holes on the phone.

Before mounting the IP phone to the wall, detach the handset and curled cord from the IP phone, then perform the following steps:

- Step A On the back of the phone, find the latch (3) on the U-type leg and remove it.
- Step B Remove the other latch (4).
- Step C Remove the U-type leg (1). Retain the leg (1) and latches (2) for possible reuse in a desktop mode.
- Step D Seat the big U-type frame onto the back of IP phone.
- Step E Re-check that the power source switch is in the correct position. Connect all cables to the jacks on the phone, then mount the phone's holes (5 top, 6 left and 7 right) to the screws on the wall.
- Step F Under the hook switch, find and press the cradle latch (8) to let it down. Then hang up the handset and re-attach the curled cord.



Screw Alignment Template



Resetting the Phone to Factory Defaults

If you want to reset the configuration to the factory default settings, locate the Reset switch on the back of the phone and complete the following steps:

- Step A Remove the power source (adaptor or Ethernet cable) at the remote end.
- Step B Use a pen to press and hold the Reset switch.
- Step C To turn on the power again press and hold the Reset switch for over 3 seconds.
- Step D Release the Reset switch. The phone will automatically reset the configuration and the old settings will be gone.



3

IP2007 Phone Features

Read the *IP2007 Phone Features* chapter to discover the many features of the IP2007 telephone, and to operate its basic user functions.

Answer a Call

There are various ways to answer an incoming call:

- Lift the handset to answer the call.
- Press  to answer the call in handsfree mode.
- Press  to answer the call in headset mode.

Auto Answer

You can use the Auto Answer function to automatically answer all incoming calls when you are busy. You can enable or disable this function through the LCD menus or via the Web. The default value is disabled.

Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 8. Auto Answer > ✓ for options
- » *Web Menu* = Login > Phone tab > Phone Parameters Enable Auto Answer

Basic Call

To make an intercom call ... dial a Station number (IP Terminal, SLT) or a Voice Mail number.

To make an outgoing call ... dial a phone number. The system chooses a PSTN line or IP trunk via the Call Routing Table to dial out. If it includes * in the phone number, and the call is dialed through PSTN Trunk, the * will be interpreted as a one second pause.

-or-

Dial a PSTN, an IP Trunk or a Trunk Group number first. After hearing a dial tone, dial the phone number.

Call Forward

You can use Call Forward to redirect your incoming calls from your IP Phone to another number. You can set three different types of call forward as described in the following sections.

Always Forward

If you enable Always Forward, all your incoming calls will redirect to another destination.

Busy Forward

If you enable Busy Forward, your incoming calls will redirect to another number when your phone is connected to a call and you do not wish to receive a second call simultaneously.

No Answer Forward

If you enable No Answer Forward, your incoming call will redirect to another number after this call is not answered by you for a specific amount of seconds.

Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 7. Call Forward ...
- » *Web Menu* = Login > Personal tab > Call Forward Settings

Call Log

The IP2007 phone can store a call log for your reference. To access your call log, use the LCD menus. There are three types of Call Logs - Missed Calls, Received Calls, or Dialed Calls. To dial from a listing, press the soft keys corresponding to the LCD menus display.

Call Waiting

If Call Waiting is enabled for a specific IP2007 station, an alert (muted ring) will be played on the called party IP2007 when a second call is received and the IP2007 is in use.

*To enable Call Waiting ... dial *99*

If Call Waiting is disabled for a specific IP2007 station, the IP2007 will return a busy tone to any calling party while the IP2007 is in use.

*To disable Call Waiting ... dial **99*

Caller Blocking

You can block up to 10 phone numbers from reaching your phone when a caller attempts to call you from one of these numbers.

Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 15. Blocking List
- » *Web Menu* = Login + Personal tab + phone number + Save Settings

Caller ID

The *Xcelerator-IP*, by default, accepts Calling Party Name and Calling Party Number ID. Calling Party Name is only displayed if the Calling Party Name and Calling Party Number are entered in the IP2007 Phone Book. The Calling Party Number will be displayed if delivered from the serving CO.



Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 12. Phone Book
- » *Web Menu* = Login > Phone Book tab > enter a party's name and number in order for caller ID to display on incoming calls

Conference

Conference calling allows three parties to simultaneously participate in a call.

To establish a Conference call:

1. Place an internal or external call.
2. Press the HOLD key  to place the 1st party on hold.
3. Press the NAV key down arrow ▼ to place a second call on this line.
4. Dial the phone number of the 2nd party of this conference.
5. Press  to start the conference.

Distinctive Ringing

Distinctive ring cadences can be selected allowing adjacent users to discern which extension is ringing. It also provides different ring tones for intercom and trunk calls. You can enable or disable this function through the LCD menus or via the Web.

Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key + ▼ arrow to 2. Ring
- » *Web Menu* = Login > Phone tab > Tones Used

Do Not Disturb



You can enable the Do Not Disturb (DND) function, if you do not want any incoming calls to interrupt your work. All incoming calls will receive a busy tone when they call your phone number. You can enable or disable this function through the LCD menus or via the Web.

Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 6. DND
- » *Web Menu* = Login > Phone tab > Phone Parameters Enable DND

Drop a Call

There are various ways to drop an existing call:

- Place the handset on hook if talking in handset.
- Press  to drop a handsfree call.
- Press  to drop a headset call.

Feature Key Programming


Feature Keys can be programmed by phone users. A feature key can be programmed for line appearance.

*To program a Feature Key ... dial *70 + (Feature Key number: 1 - 4) + (PSTN, IP Trunk or Trunk Group number)*

Hold/Resume/Navigation in Calls

Only one call can be active at any given time; another call must be placed on hold.


Hold a Call

After you have a connected call, you can use  to hold a call.

Resume a Held Call

You can resume a held call by using the soft key under the "Resume" label on the LCD. The call will return to the connected status.

Navigation in Calls

You can jump between two calls by using . Press the ▲ or ▼ arrow of the navigator control key to toggle between the two calls.

Lines and Calls


Lines

The term "Line" in this manual represents how many phone numbers are supported on one phone. A phone can have more than one phone number so that the user can subscribe to different VOIP service providers.

Calls

The term "Call" in this manual represents how many simultaneous connections can be made to a single phone number. Each line has two calls capability, so that you can hold one call and talk to another person in another call.

Mute

To mute the microphone during a call, press the  button. The button will illuminate to indicate that the microphone has been muted.

Press the MUTE button again to re-enable the microphone.

Page Allow/Deny

You can block one-way pages (internal, group, and all page) over the IP phone speaker by dialing the Page Deny code.

Feature Code Access

*To enable Paging ... dial *99*

*To disable Paging ... dial **99*

Phone Lock/Unlock

The IP2007 Lock feature is used to prevent unauthorized trunk calls from being made from a specific extension. A locked extension will continue to receive incoming trunk calls, and a user can continue to place and receive intercom calls; however, outgoing trunk calls are blocked. You can access this feature via the Phone or the Web.

Feature Code Access

*To lock the phone ... dial *97 + (VM password)*

*To unlock the phone ... dial **97 + (VM password)*

Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 9. Phone Lock
- » *Web Menu* = Login > Phone tab > Phone Parameters Phone Lock

Phone Book




The *Xcelerator-IP* provides users with a Phone Book, with each entry containing a user programmed Phone Number and User Name. The phone number can be an extension number, phone number, or IP address. Up to 400 entries per station user is supported.

Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 12. Phone Book
- » *Web Menu* = Login > Phone Book tab > enter a caller's name and number for caller ID to display on incoming calls

Place a Call

There are various ways to place a call:


- Lift the handset and dial the number pad as a regular phone.
- Press  to perform handsfree dialing.
- Press  to perform headset dialing.
- Press  to pickup a specific line.
- Dial directly, the phone will automatically pickup in handsfree mode and perform handsfree dialing.



You can use the pound [#] key or the [OK] key to complete the number. This will speed up the calling process.

Redial

The Redial feature automatically dials the last number dialed from the phone.

Press  to dial the last number automatically. If the phone is on hook, it will pickup in handsfree mode automatically and perform handsfree dialing.

Register to a Server

The phone should be configured before it can perform some basic functions. Although the phone can make a peer to peer VOIP call (the user must remember the IP address of the called party), it is desirable to have a centralized server to provide the directory service. This server can be a soft-switch, an IP-PBX, or a simple proxy.

The server has two basic functions:

- 1) The first is to track active phones and their IP address.
- 2) The second is passing signaling messages between communication parties.


To make your phone reachable in this VOIP network, your phone has to register to the server so that when someone dials your phone number the server knows where you are and informs your IP phone that someone is calling.


Phone & Web Access

- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 16. Admin > SIP
- » *Web Menu* = Login + SIP tab (refer to "[SIP Page](#)" on page 5-10)


Speakerphone/Headset/Handset

There are 3 major input/output devices on this phone. To switch between these devices, follow the audio path transitions described below:


Handset to Handsfree -- You are using the handset and want to switch to handsfree talking. Press  and place the handset on hook. *NOTE:* The voice will not switch to speakerphone until you place the handset on hook.

Handset to Headset -- You are using the handset and want to switch to the headset. Press  and place the handset on hook. *NOTE:* The voice will not switch to headset until you place the handset on hook.

Handsfree to Handset -- You are using handsfree talking and want to switch to the handset. Lift the handset off hook and the voice will switch to handset immediately.

Handsfree to Headset -- You are using handsfree talking and want to switch to the headset. Press  and the voice will switch to headset immediately.

Headset to Handset -- You are using the headset and want to switch to handset. Lift the handset off hook and the voice will switch to handset immediately.

Headset to Handsfree -- You are using the headset and want to switch to handsfree talking. Press  and the voice will switch to speakerphone immediately.

Speed Dial

You can preset 10 speed dial numbers for fast dialing. Use the following steps to use speed dial:

1. Lift the handset.
2. You will see "SPD" on the LCD menus. Press the soft key corresponding to the LCD menu display.
3. You will see "SpeedDial:_" on the LCD display. Enter a valid speed dial bin number (0-9) and the IP phone will dial out with the number that is preset in the IP phone.

Phone & Web Access


- » *Phone Menu* = Left soft key to *CONFIG* > ✓ key > ▼ arrow to 13. Speed Dial
- » *Web Menu* = Login > Personal tab > Speed Dial Entry Settings

Transfer

Transfer redirects a connected call. You can use a Blind or Supervised transfer method to transfer the call to an extension or an outside phone number.



Blind Transfer

While on a call:

1. Press the TRANSFER key  to transfer the call.
2. Dial the desired phone number and the call will transfer automatically.
3. Hang up to release the line.



Supervised Transfer

While on a call:

1. Press the HOLD key  to hold this call.
2. Press the down arrow ▼ of the navigation control key to start a 2nd call on this line.
3. Dial the desired phone number. You will hear a ring back tone.
4. When the called party answers, advise them of the call being transferred.
5. Press the TRANSFER key  and hang up. The Supervised Transfer is complete.

Voice Mail Access

Ask your system administrator for the Voice Mail access number in order to access your voice mailbox. You will find the "MSG number" field blank; enter an appropriate number.


If you have voice mail in your voice mailbox, you will see a voice mail icon  on the left top corner of the LCD. Press the message icon  to access your voice mail.

 **Note**

The *Total Recording Message Time* for one extension depends on how many extensions are connected to the Xcelerator IP. (See current members in the Phone Extension Table.) The current Xcelerator IP configuration allows 240 minutes of recording time.

Recording Time Per Extension = (240 minutes) divided by (Total Members)

Volume Adjustment

Use the VOLUME CONTROL button  to adjust the volume.

- When using the handset ... use this button to adjust the handset output volume.*
- When using handsfree talking ... use this button to adjust speaker output.*
- When using a headset ... use this button to adjust the headset output volume.*
- When the phone is ringing ... use this button to adjust the ringing volume.*

4

Configuration Via Menus

Read the *Configuration Via Menus* chapter to learn how to navigate in the menus of your IP2007 telephone.

Menu

Startup

You can use LCD menus to configure most settings of your IP phone.
Press the LEFT soft key to start menu selection process.

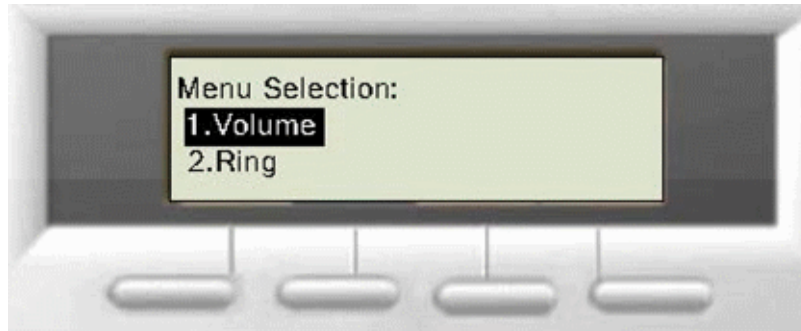


Menu Tree

- Menu Selection
 - + **1. Volume**
 - + Ring Volume
 - + Handset Speaker
 - + Handset Mic
 - + Handsfree Speaker
 - + Handsfree Mic
 - + Headset Speaker
 - + Headset Mic
 - + **2. Ring**
 - + **3. Tone**
 - + **4. Time**
 - + **5. Info**
 - + **6. DND**
 - **7. Call Forward**
 - Always Forward
 - + Toggle
 - + Forward Number
 - On Busy Forward
 - + Toggle
 - + Forward Number
 - No Answer Forward
 - + Toggle
 - + Forward Number
 - + No Answer Time
 - + **8. Auto Answer**
 - + **9. Phone Lock**
 - **10. Call Record**
 - + Dialed
 - + Missed
 - + Received
 - + **11. Ping**
 - + **12. Phone Book**
 - + **13. Speed Dial**
 - **14. Network**
 - Network Type
 - + Static IP
 - + DHCP
 - + PPPoE
 - + Netmask
 - + Default Gateway
 - DNS
 - + Primary DNS
 - + Secondary DNS
 - + Third DNS
 - + SNTP
 - + **15. Blocking List**
- **16. Admin**
 - + Phone Number
 - Account
 - Admin
 - + Name
 - + Password
 - User
 - + Name
 - + Password
 - NAT
 - + NAT Type
 - STUN
 - + STUN Server IP
 - + STUN Port
 - + SIP PING
 - Port Mapping
 - + Extern Router IP
 - + Signal Port
 - + Extern RTP Port 1
 - + Extern RTP Port 2
 - SIP
 - SIP Server
 - + SIP Proxy
 - + Outbound Proxy
 - + Registrar Server
 - + Registrar Outbound
 - + Port
 - Authentication
 - + Authorized ID
 - + Authorized Password
 - + DTMF
 - Codec
 - + G.711 u-law
 - + G.711 a-law
 - + G.723.1
 - + G.729
 - + Packet Time
 - + Caller ID
 - + User Name
 - + VLAN
 - Download
 - + TFTP Server
 - + Firmware Upgrade
 - + Profile Download
 - + Reset
 - + Boot
 - + **17. Quit**

The menu tree begins at the top of the left column. After "Blocking List" at the bottom of that column, the menu tree continues at the top of the right column.


This is the first display shown when you press the left soft key.




Navigate in the Menu

Use the Navigator Control key  to scroll to a desired item.



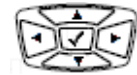
Press  to enter the sub-tree for the selected item.



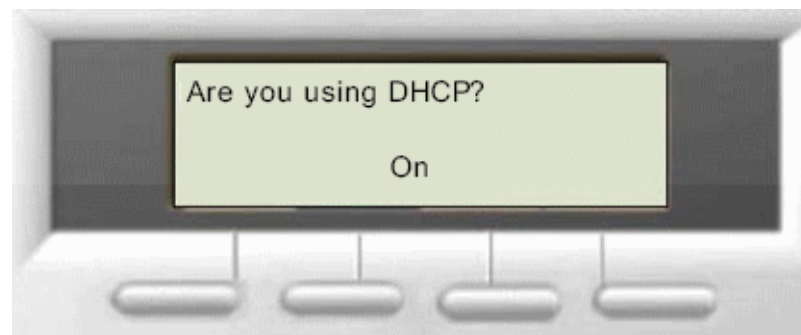
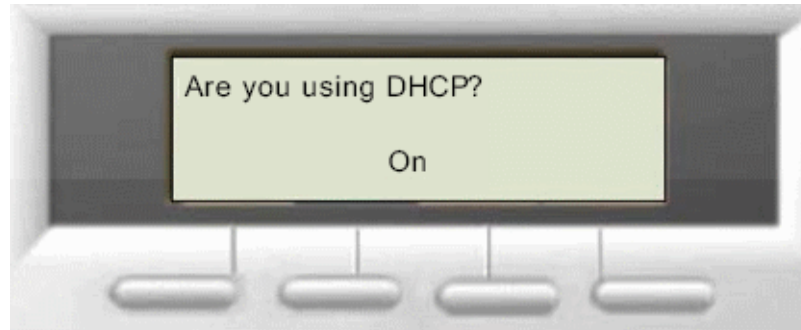
Press  to confirm and save the setting of a specific item. Thereafter, the menu will roll back to the upper level of the menu tree. You can also press the left arrow of the Navigator Control key to roll back to the upper level of the menu tree without causing the system to resave.

Enable or Disable Settings

You can enable or disable certain item settings. Use the up or down arrow to toggle an item option. Example:



to



Numeric and Alpha Characters

You can input numeric or alphabetic characters in certain menus, such as in the Phone Book. When you are on a menu that accepts characters, you will see "ABC" above the left soft key. Press the left soft key to cycle through the options of ABC, 123, and abc. These options represent characters in upper case, numeric digits, and characters in lower case. You can switch between the three options during one entry to use upper and lower case characters as well as numbers.

To enter alphabetic characters, select ABC or abc with the left soft key, then repeatedly press the dial pad button that has the character you want until the desired character appears. The display will cycle through all of the characters associated with the button.

Saving the Configuration

Some changes are saved immediately as you change settings. All settings will be saved when you leave the Menus. You will see "Saving change ... Please wait" on the LCD.



5

Configuration Via Web

Read the *Configuration Via Web* chapter to learn how to use your IP2007 telephone by using the web interface.

Web

Access

To access the phone configuration, enter the IP address in the Address field of your web browser, <http://192.168.1.10>.

To confirm IP address -- If you are unsure about the IP address, you can verify the current IP address on your IP phone by pressing the Left soft key to access the CONFIG menu and using the down arrow to select the 5. Info menu.

Login

The following dialog box will pop up and prompt you to provide the user name and password in order to prevent unauthorized users from accessing your phone.

The default names and passwords for the Web are as follows:

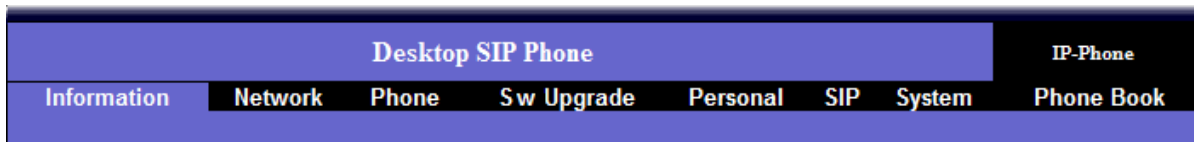
- User Name = user
- User Password = 1111
- (Administrator) User Name = admin
- (Administrator) Password = 1234



Web Page Menus

When accessing the web pages for the IP2007 Phone, you can make configuration changes in each category. Click on a menu to access a specific group of settings.

Information | Network | Phone | SwUpgrade | Personal | SIP | System | Phone Book



Web Page Buttons

Button	Web Page	Description
Cancel	All	Discard all changes entered on this page
Download Settings	SW Upgrade	Download files to upgrade phone firmware
Logout	All	Exit and close browser window
Next/Previous	Phone Book	View next or previous page of Phone Book entries
Reboot	Information	Update phone to capture changes made to s/w
Save Settings	All	Save changes entered on this page to the IP Phone
Set All to Default	System	Change ALL parameters to factory default settings
Update	SW Upgrade	Locate new file provided (s/w, profile, logo, font)

Information Page

The Information Page displays when you log into the phone's web page. This "view only" page shows general information regarding your IP2007 Phone.

Network Information

IP Type | Current IP | Subnet Mask | Default Gateway | Primary DNS | Secondary DNS

Product Information

Product Name | Software Version | MAC Address | Hardware Version

Profile Status

Phone Number | Registration State | SIP Proxy Server

Desktop SIP Phone		IP-Phone
Information	Network	Phone SwUpgrade Personal SIP System PhoneBook
Network Information	IP Type: DHCP Subnet Mask: 255.255.255.0 Primary DNS: 192.168.1.1	Current IP: 192.168.1.3 Default Gateway: 192.168.1.1 Secondary DNS:
Product Information	Product Name: IP-Phone MAC Address: 00-16-38-88-37-78	Software Version: V3.0.3 - IG Hardware Version: R1
Profile Status	Phone Number: 100 SIP Proxy Server: 192.168.1.1	Registration State: Registrar OK

Network Settings

The Network Settings page allows you to access the following network categories:

Internet Connection Items | Optional Network Items | QoS Items

Desktop SIP Phone		IP-Phone
Network Settings	Information	Network Phone SwUpgrade Personal SIP System PhoneBook
Internet connection items	IP Type: <input type="text" value="DHCP"/>	IP Address: <input type="text" value="0.0.0.0"/>
	Subnet Mask: <input type="text" value="255.255.255.0"/>	Default Gateway: <input type="text" value="192.168.1.1"/>
Optional network items	Primary DNS: <input type="text" value="168.95.1.1"/>	Secondary DNS: <input type="text"/>
	Third DNS: <input type="text"/>	Time Server: <input type="text" value="140.112.2.189"/>
QoS items	DIFFSERV for RTP: <input type="text" value="Best Effort"/>	
	DIFFSERV for Signal: <input type="text" value="Best Effort"/>	
	VLAN Mode: <input type="text" value="None"/>	
	Voice VLAN ID: <input type="text" value="2"/>	VLAN Option ID: <input type="text" value="176"/>

Network Parameters

Internet Connection Items	
IP Type	Select how this phone receives IP address - DHCP or Static IP; Default = DHCP
IP Address	Static IP address; Default = 0's
Subnet Mask	Static Subnet Mask
Default Gateway	Static Default Gateway
Optional Network Items	
Primary DNS	Static Primary DNS
Secondary DNS	Static Secondary DNS
Third DNS	Static Third DNS
Time Server	Static Time Server
QoS Items	
DIFFSERV for RTP	<p><i>Options:</i></p> <ul style="list-style-type: none"> Best Effort AF Class 1 (DROP: Low/Medium/High) AF Class 2 (DROP: Low/Medium/High) AF Class 3 (DROP: Low/Medium/High) AF Class 4 (DROP: Low/Medium/High) Expedited Forwarding <p>Default = Best Effort</p>
DIFFSERV for Signal	<p><i>Options:</i></p> <ul style="list-style-type: none"> Best Effort AF Class 1 (DROP: Low/Medium/High) AF Class 2 (DROP: Low/Medium/High) AF Class 3 (DROP: Low/Medium/High) AF Class 4 (DROP: Low/Medium/High) Expedited Forwarding <p>Default = Best Effort</p>
VLAN Mode	<i>Options:</i> None Automatic Static; Default = None
Voice VLAN ID	Voice VLAN ID; Default = 2
VLAN Option ID	VLAN option ID; Default = 176

Phone Settings

The Phone Settings page allows you to access the following phone categories:

- Volume Control
- Tones Used
- Phone Parameters
- Prefix Entry Settings
- Dial Plan

Phone Settings	Desktop SIP Phone				IP-Phone	
	Information	Network	Phone	SwUpgrade	Personal	System
Volume control	Handset Mic	6	Handset Speaker	6	Speaker Mic	6
	Speaker Mic	6	Speakerphone	6	Headset Mic	6
	Headset Mic	6	Headset Speaker	6	Ring Tone Volume	6
	Ring Tone Volume	6	Side Tone	5		
Tones Used	Tone Type	United States	Ring Type	United States	DTMF Relay	RFC2833
	DTMF Relay	RFC2833	RFC2833 PayLoad:	101	RFC2833 DTMF Tone Duration	800 ms
	RFC2833 DTMF Tone Duration	800 ms				
Phone Paraments	Hold Remind Time	60	Enable Auto Answer	<input type="checkbox"/>	Enable DND	<input type="checkbox"/>
	Enable Auto Answer	<input type="checkbox"/>	Enable Echo Canceller	<input checked="" type="checkbox"/>	Enable VAD+CNG	<input type="checkbox"/>
	Enable Echo Canceller	<input checked="" type="checkbox"/>	Enable Phone Lock	<input type="checkbox"/>		
	Enable Phone Lock	<input type="checkbox"/>				
Prefix Entry Settings	Prefix Entry 0 Type:	Disabled	Prefix Entry 0 Pattern:		Prefix Entry 0 Replace:	
	Prefix Entry 1 Type:	Disabled	Prefix Entry 1 Pattern:		Prefix Entry 1 Replace:	
	Prefix Entry 2 Type:	Disabled	Prefix Entry 2 Pattern:		Prefix Entry 2 Replace:	
	Prefix Entry 9 Type:	Disabled	Prefix Entry 9 Pattern:		Prefix Entry 9 Replace:	
	Prefix Entry 9 Pattern:					
Dial Plan	Dial Plan:					
<input type="button" value="Save settings"/> <input type="button" value="Cancel"/> <input type="button" value="Logout"/>						

IP Phone Parameters

Volume Control	
Handset Mic	Set input level of handset microphone: 1-10. Default = 6
Handset Speaker	Set output level of handset speaker: 1-10. Default = 6
Speaker Mic	Set input level of hand-free microphone: 1-10. Default = 6
Speakerphone	Set output level of hand-free speaker: 1-10. Default = 6
Headset Mic	Set input level of headset microphone: 1-10. Default = 6
Headset Speaker	Set output level of headset speaker: 1-10. Default = 6
Ring Tone Volume	Set output level of ring tone: 1-10. Default = 6
Side Tone	Set sound level between mouthpiece and earpiece: 1-10. Default = 5
Tones Used	
Tone Type	Select tone type for your country; Default = U.S.
Ring Type	Select ring type for your country; Default = U.S.
DTMF Relay	Select way to send DTMF through in-band or out band mechanism: None Tone (In-Band) RFC2833 SIP-INFO. Default = RFC2833
RFC2833 PayLoad	SIP DTMF detection; Default = 101
RFC2833 DTMF Tone Duration	<i>Options:</i> 560ms 640ms 800ms 960ms 1120ms 1280ms; Default = 800
Phone Parameters	
Hold Remind Time	Call on hold reminder tone (10-120 seconds, increments of 10 secs); Default = 60
Enable Auto Answer	Turn on auto answer function; Default = Disabled
Enable DND	Turn on DND function; Default = Disabled
Enable Echo Canceller	Remove echo to improve voice quality; Default = Enabled
Enable VAD+CNG	Voice Activity Detection + Comfort Noise Generator; Default = Disabled
Enable Phone Lock	Lock user's phone; Default = Disabled
Prefix Entry Settings	
Prefix Entry Type (0-9)	<i>Options:</i> Disabled Add Replace; Default = Disabled
Prefix Entry Pattern (0-9)	Digit to dial out
Prefix Entry Replace	Replaces digit to dial out
Dial Plan	Determines how to route calls

Software Upgrade

The Software Upgrade page allows you to access the following s/w upgrade categories:

- Server Items
- Firmware Files

S/W Upgrade Parameters

Server Items	
Server Type	TFTP FTP; Default = TFTP
Server IP Address	FTP server address; Default = 192.168.1.100
Files Directory	FTP directory where the firmware and profile is located
Server User Name	User name of the account on the FTP server; Default = root
User Password	Password of the account on the FTP server
Firmware Files	
Software	app.bin.gz
Profile	IP2007.cfg
Logo	logo.tcbmp
Font	local.font
WEB Logo	WebLogo.jpg

Personal Settings

The Personal Settings page allows you to access the following call categories:
 Call Forward Settings | Caller Blocking Settings | Speed Dial Entry Settings

Personal Parameters

Call Forward Settings	
Enable Always Forward & Forward to user@[host]	Turns on unconditional forward, all calls will automatically forward to the number entered; Default = disabled (unchecked)
Enable On Busy Forward & Forward to user@[host]	Turns on the On Busy Forward function. When extension is busy, calls will forward to the number entered; Default = disabled (unchecked)
Enable No Answer Forward & Forward to user@[host]	Turns on the No Answer Forward function; Default = enabled (checked) - sends calls to Voice Mail
No Answer Timeout (sec)	Sets the timeout for the No Answer Forward function. Default=20
Caller Blocking Settings	
Enable Block Anonymous call	Default = disabled (unchecked)
Caller Blocking Entry (0-9)	10 caller blocking settings. You can set up 10 numbers to prevent them from ring you if a caller calls you from one of these numbers.
Speed Dial Entry Settings	
Speed Dial Entry (0-9)	22 speed dial entries 1-22 (equals speed bins 0-21)

SIP Page

ADMIN Function -- In order to access the SIP parameters, you must log in as a System Administrator. (Logging in as a station user will prevent this page from loading.)

The SIP page allows an administrator to set up the following SIP parameters:

- SIP Proxy Server
- SIP Registrar Server
- Subscriber Information
- Optional SIP Header
- RTP Parameters
- Voice Mail Items
- Codec Settings

Line1 Settings	Desktop SIP Phone				IP-Phone	
	Information	Network	Phone	SwUpgrade	Personal	SIP
SIP Proxy Server	SIP Proxy Server	<input type="text" value="192.168.1.1"/>	Outbound Proxy Server	<input type="text"/>		
	Server Port	<input type="text" value="5060"/>	SIP Surviving Proxy Server	<input type="text"/>		
	SIP Secondary Proxy Server	<input type="text"/>	Registrar Outbound Server	<input type="text"/>		
SIP Registrar Server	Registrar Server	<input type="text" value="192.168.1.1"/>	Registrar Server Port	<input type="text" value="5060"/>		
	Registrar Server Port	<input type="text" value="5060"/>	Registrar Expire Time (sec)	<input type="text" value="180"/>		
Subscriber Information	Phone Number	<input type="text" value="100"/>	User Name	<input type="text" value="100"/>		
	Authorized ID	<input type="text" value="100"/>	Authorized Password	<input type="text" value="●●●●●●●●"/>		
	Enable Caller ID	<input type="checkbox"/>	Display Name	<input type="text"/>		
	Locating SIP Server:	<input type="checkbox"/>	SIP Domain:	<input type="text"/>		
	End dial on #:	<input type="checkbox"/>	Dial Timeout (sec) :	<input type="text" value="6"/>		
Optional SIP Header	Optional Header 1	<input type="text"/>		Optional Header 2	<input type="text"/>	
RTP Parameters	RTP Port 1	<input type="text" value="10002"/>	RTP Port 2	<input type="text" value="10004"/>		
	Enable Statistic:	<input type="checkbox"/>	Statistic Port:	<input type="text" value="10000"/>		
Voice Mail Items	Subscribe MWI:	<input type="checkbox"/>	MSG Number	<input type="text" value="100"/>		
	Voice Mail Server:	<input type="text"/>				
Codec Settings	Codec G.711 u-law	<input type="text" value="First"/>	G.711u Packet Time	<input type="text" value="30(ms)"/>		
	Codec G.711 a-law	<input type="text" value="Second"/>	G.711a Packet Time	<input type="text" value="30(ms)"/>		
	Codec G.729	<input type="text" value="Fourth"/>	G.729 Packet Time	<input type="text" value="30(ms)"/>		
	Codec G.723.1	<input type="text" value="Third"/>	G.723 Packet Time	<input type="text" value="30(ms)"/>		
	G.723.1 Bit Rate	<input type="text" value="5.3kb/s"/>				
NAT items	NAT Type:	<input type="text" value="None"/>	SIP PING Interval Time (ms):	<input type="text" value="6"/>		
	STUN Server IP:	<input type="text"/>	STUN Server Port:	<input type="text" value="3478"/>		
	Extern Router IP:	<input type="text"/>	Extern Signal Port:	<input type="text" value="5060"/>		
	Extern RTP Port 1:	<input type="text" value="10002"/>	Extern RTP Port 2:	<input type="text" value="10004"/>		
<input type="button" value="Save Settings"/> <input type="button" value="Cancel"/> <input type="button" value="Logout"/>						

SIP Parameters

SIP Proxy Server	
SIP Proxy Server	SIP proxy server address
Outbound Proxy Server	Outbound proxy server address
Server Port	Proxy server port; Default = 5060
SIP Secondary Proxy Server	Redundant proxy server
SIP Surviving Proxy Server	Creates a SIP proxy loop to find available SIP proxy server
SIP Registrar Server	
Registrar Server	Registrar server address
Registrar Outbound Server	Registrar outbound server address
Registrar Server Port	Registrar server port; Default = 5060
Registrar Expire Time (sec)	Expiration time for REGISTER request; Default = 180
Subscriber Information	
User Name	User name to appear in phone LCD display
Phone Number	Phone number assigned to phone
Authorized ID	Authentication user name
Authorized Password	Authentication password
Enable Caller ID	Enables sending Display Name
Display Name	Name to appear in phone LCD display to remote users
Locating SIP Server	Default = disabled (unchecked)
SIP Domain	Use SIP Domain name instead of IP address
End dial on #	Allows entering # sign for speed dialing after dialing number
Dial Timeout (sec)	Default = 2
Optional SIP Header	
Optional Header 1	Optional SIP header in message
Optional Header 2	Optional SIP header in message
RTP Parameters	
RTP Port 1	RTP Port for channel 1; Default = 10002
RTP Port 2	RTP Port for channel 2; Default = 10004
Enable Statistic	Default = disabled (unchecked)
Statistic Server	Default = 10004
Statistic Port	Default = 10000

Voice Mail Items	
Subscribe MWI	Subscribe to voice mail server
Voice Mail Server	Voice mail server address
MSG Number	Default = voicemail
Codec Settings	
Codec G.711u-law	Set G.711u-law protocol preference: None First Second Third Fourth; Default = First
G.711u Packet Time	<i>Options:</i> 10-80(ms) Default = 30(ms)
Codec G.711a-law	Set G.711a-law protocol preference: None First Second Third Fourth; Default = Second
G.711a Packet Time	<i>Options:</i> 10-80(ms) Default = 30(ms)
Codec G.729	Set G.729 protocol preference: None First Second Third Fourth; Default = Fourth
G.729 Packet Time	<i>Options:</i> 10-80(ms) Default = 30(ms)
Codec G.723.1	Set G.723.1 protocol preference: None First Second Third Fourth; Default = Third
G.723 Packet Time	<i>Options:</i> 10-80(ms) Default = 30(ms)
G.723.1 Bit Rate	Set the bit rate for G.723.1 protocol: 5.3kb/s 6.3kb/s Default = 5.3kb/s.
NAT Items	
NAT Type	<i>Options:</i> None STUN SIP PING Port Mapping UDP Heartbeat Default = None
SIP PING Interval Time (ms)	SIP PING frequency; Default = 6
STUN Server IP	STUN server IP address
STUN Server Port	STUN server port; Default = 3478
Extern Router IP	External router address for port mapping
Extern Signal Port	External SIP signaling port for port mapping; Default = 5060
Extern RTP Port 1	External RTP port for port mapping; Default = 10002
Extern RTP Port 2	External RTP port for port mapping; Default = 10004

System Settings

The System Settings page allows you to access the following system categories:

- Administer Settings
- Time Settings
- Xcelerator IP Feature Items
- Feature Key Settings

System Settings	Desktop SIP Phone				IP-Phone																															
	Information	Network	Phone	SwUpgrade	Personal	System																														
Administer settings	<table border="0"> <tr> <td>Administrator Name:</td> <td><input type="text" value="admin"/></td> <td>Administrator Password:</td> <td><input type="password" value="••••"/></td> </tr> <tr> <td>User Name:</td> <td><input type="text" value="user"/></td> <td>User Password:</td> <td><input type="password" value="••••"/></td> </tr> <tr> <td>Used log server:</td> <td><input type="checkbox"/></td> <td>Log level:</td> <td><input type="text" value="Emergency"/></td> </tr> <tr> <td>System Log Address:</td> <td><input type="text" value="0.0.0.0"/></td> <td>System Log Port:</td> <td><input type="text" value="514"/></td> </tr> <tr> <td>System Language:</td> <td colspan="3"><input type="text" value="English"/></td> </tr> </table>						Administrator Name:	<input type="text" value="admin"/>	Administrator Password:	<input type="password" value="••••"/>	User Name:	<input type="text" value="user"/>	User Password:	<input type="password" value="••••"/>	Used log server:	<input type="checkbox"/>	Log level:	<input type="text" value="Emergency"/>	System Log Address:	<input type="text" value="0.0.0.0"/>	System Log Port:	<input type="text" value="514"/>	System Language:	<input type="text" value="English"/>												
Administrator Name:	<input type="text" value="admin"/>	Administrator Password:	<input type="password" value="••••"/>																																	
User Name:	<input type="text" value="user"/>	User Password:	<input type="password" value="••••"/>																																	
Used log server:	<input type="checkbox"/>	Log level:	<input type="text" value="Emergency"/>																																	
System Log Address:	<input type="text" value="0.0.0.0"/>	System Log Port:	<input type="text" value="514"/>																																	
System Language:	<input type="text" value="English"/>																																			
Time settings items	<table border="0"> <tr> <td>Auto DST:</td> <td colspan="2"><input type="checkbox"/></td> <td>Daylight save time:</td> <td><input type="text" value="0"/></td> </tr> <tr> <td>Starts on:</td> <td>Month <input type="text" value="JAN"/></td> <td>Day <input type="text" value="1"/></td> <td>Time</td> <td><input type="text" value="00:30"/></td> </tr> <tr> <td>Ends on:</td> <td>Month <input type="text" value="JAN"/></td> <td>Day <input type="text" value="1"/></td> <td>Time</td> <td><input type="text" value="00:30"/></td> </tr> <tr> <td>Time Zone:</td> <td colspan="4"><input type="text" value="GMT+12:00 (Auckland, Wellington, ...)"/></td> </tr> </table>						Auto DST:	<input type="checkbox"/>		Daylight save time:	<input type="text" value="0"/>	Starts on:	Month <input type="text" value="JAN"/>	Day <input type="text" value="1"/>	Time	<input type="text" value="00:30"/>	Ends on:	Month <input type="text" value="JAN"/>	Day <input type="text" value="1"/>	Time	<input type="text" value="00:30"/>	Time Zone:	<input type="text" value="GMT+12:00 (Auckland, Wellington, ...)"/>													
Auto DST:	<input type="checkbox"/>		Daylight save time:	<input type="text" value="0"/>																																
Starts on:	Month <input type="text" value="JAN"/>	Day <input type="text" value="1"/>	Time	<input type="text" value="00:30"/>																																
Ends on:	Month <input type="text" value="JAN"/>	Day <input type="text" value="1"/>	Time	<input type="text" value="00:30"/>																																
Time Zone:	<input type="text" value="GMT+12:00 (Auckland, Wellington, ...)"/>																																			
Gw6000 Feature Items	<table border="0"> <tr> <td>Gw6000 Flag:</td> <td colspan="5"><input checked="" type="checkbox"/></td> </tr> <tr> <td>GW6000 Key 1 Type:</td> <td><input type="text" value="Line"/></td> <td>Feature Key 1 String:</td> <td colspan="3"><input type="text" value="700"/></td> </tr> <tr> <td>GW6000 Key 2 Type:</td> <td><input type="text" value="Line"/></td> <td>Feature Key 2 String:</td> <td colspan="3"><input type="text" value="701"/></td> </tr> <tr> <td>GW6000 Key 3 Type:</td> <td><input type="text" value="Line"/></td> <td>Feature Key 3 String:</td> <td colspan="3"><input type="text" value="702"/></td> </tr> <tr> <td>GW6000 Key 4 Type:</td> <td><input type="text" value="Line"/></td> <td>Feature Key 4 String:</td> <td colspan="3"><input type="text" value="710"/></td> </tr> </table>						Gw6000 Flag:	<input checked="" type="checkbox"/>					GW6000 Key 1 Type:	<input type="text" value="Line"/>	Feature Key 1 String:	<input type="text" value="700"/>			GW6000 Key 2 Type:	<input type="text" value="Line"/>	Feature Key 2 String:	<input type="text" value="701"/>			GW6000 Key 3 Type:	<input type="text" value="Line"/>	Feature Key 3 String:	<input type="text" value="702"/>			GW6000 Key 4 Type:	<input type="text" value="Line"/>	Feature Key 4 String:	<input type="text" value="710"/>		
Gw6000 Flag:	<input checked="" type="checkbox"/>																																			
GW6000 Key 1 Type:	<input type="text" value="Line"/>	Feature Key 1 String:	<input type="text" value="700"/>																																	
GW6000 Key 2 Type:	<input type="text" value="Line"/>	Feature Key 2 String:	<input type="text" value="701"/>																																	
GW6000 Key 3 Type:	<input type="text" value="Line"/>	Feature Key 3 String:	<input type="text" value="702"/>																																	
GW6000 Key 4 Type:	<input type="text" value="Line"/>	Feature Key 4 String:	<input type="text" value="710"/>																																	
Feature Key settings	<table border="0"> <tr> <td>Key Input:</td> <td><input type="text"/></td> <td><input type="button" value="SendKey"/></td> </tr> <tr> <td colspan="3" style="text-align: center;"><input type="button" value="Set All to Default"/></td> </tr> </table>						Key Input:	<input type="text"/>	<input type="button" value="SendKey"/>	<input type="button" value="Set All to Default"/>																										
Key Input:	<input type="text"/>	<input type="button" value="SendKey"/>																																		
<input type="button" value="Set All to Default"/>																																				
<input type="button" value="Save settings"/> <input type="button" value="Cancel"/> <input type="button" value="Logout"/>																																				

System Parameters

Administer Settings	
Administrator Name	The name of the administrator; Default = admin
Administrator Password	The password for the administrator; Default = 1234
User Name	The name of the station user; Default = user
User Password	The password for the user; Default = 1111
User System Log Server	Default = disabled (unchecked)
Log level	<i>Options:</i> Emergency Alert Critical Error Warning Notice Informational Debug; Default = Emergency
System Log Address	The IP address of the System Server
System Log Port	System Log port number (standard)
System Language	System Language supported is English; Default = English
Time Settings Items	
Auto DST	Automatic daylight saving time flag
Daylight save time	<i>Options:</i> -1 0 +1; Default = 0
Starts on	<i>Options:</i> Month Day Time; Defaults = JAN 1 00:30 (respectively)
Ends on	<i>Options:</i> Month Day Time; Defaults = JAN 1 00:30 (respectively)
Time Format	TIME_24_HOUR TIME_12_HOUR Default = TIME_24_HOUR
Time Zone	Default = GMT+12:00 (Auckland, Wellington, ...)
Xcelerator IP Feature Items	
<i>Xcelerator IP</i> flag	Using <i>Xcelerator IP</i> gateway flag; Default = enabled (checked)
<i>Xcelerator IP</i> Key 1 Type (1-4)	<i>Options:</i> None Line Feature Key; Default = Line
Feature Key 1 String (1-4)	<i>Options:</i> 700 701 702 710 (respectively)
Feature Key Settings	
Key Input	This field is for Engineering input only (<i>do not use</i>)

Phone Book

The *Xcelerator IP* allows each user to store up to 400 name/phone number entries in their individual Phone Book. Once completed, you will be able to place a call to the desired person by clicking the Phone Book entry number next to the person's name/number.

Phone Book Parameters

Phone Book Entry (001-400)	
User Name	The user name entered is used to identify the entry while in the Phone Book. Name is used for caller ID when available.
Phone Number	The number entered is used to place a call to the person associated with that phone number. <i>NOTE</i> -- Enter number only (no dashes or spaces).
Ring Type	You can assign a unique ring type (1-10) to help distinguish between types of callers (ex: Executives, Sales Dept., family members, etc.).

6

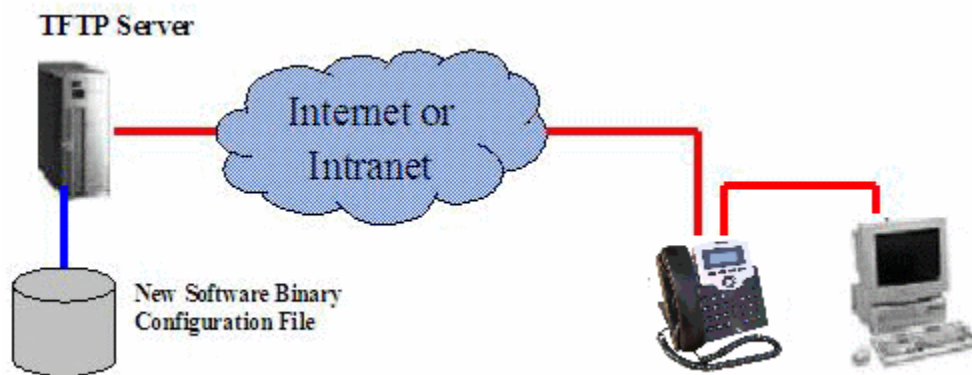
Software Upgrade

Read the *Software Upgrade* chapter to learn how to update your IP 2007 telephone with the latest software configuration.

Required Components

- ❑ A working IP network that is established and configured for IP phone.
- ❑ A TFTP server that is configured on your network (example: TFTP32 server)
- ❑ Latest software image or configuration file.

Environment Setup



Prepare TFTP Server

- ❑ Make sure the TFTP server has been properly installed in the server.
- ❑ Put the software file in the TFTP root directory.

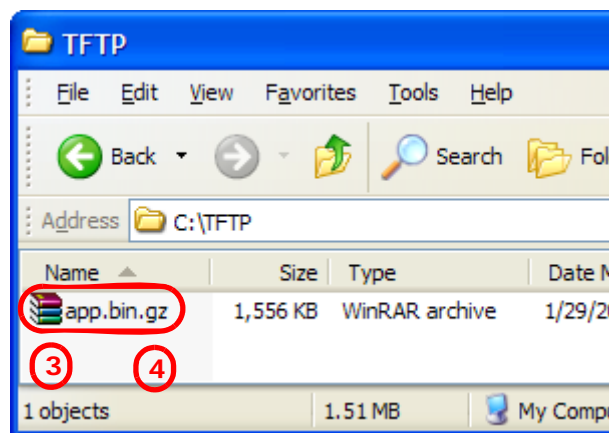
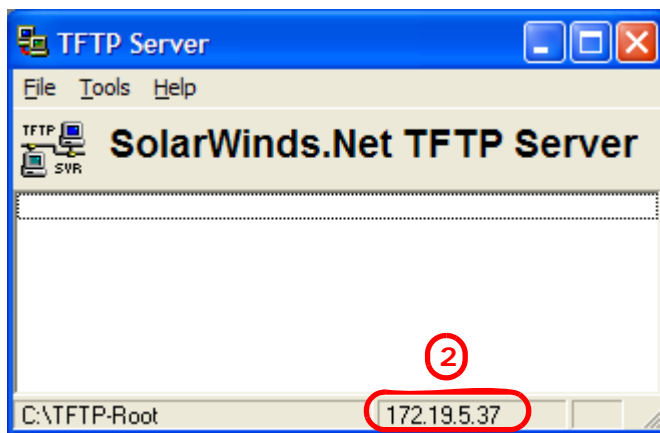
Configure Phone for TFTP Access

- ❑ Configure the correct TFTP server address.
- ❑ Configure the file name to be downloaded.

Software Upgrade Procedure

To upgrade the phone software via the Web:

1. On the Server computer, create a TFTP or FTP folder on the c: drive "root" directory.
2. Make sure the same Server IP address appears in both areas:
IP2007 SIP Phone web page
-and-
TFTP/FTP software program
3. Copy the updated file provided into the newly created TFTP/FTP directory.
4. If necessary, change the name of the software file on the web or in the TFTP/FTP program, so that the filename matches in both places.



5. Click the "Save Settings" button to capture the new settings.
 - During the upgrade process, the phone LCD will display the following messages: "Erasing Flash", "Writing Flash", and "Write Complete".
 - When the software download is complete, the phone will automatically reboot.
6. To verify a successful download, you can use the web interface or the IP2007 phone:
 - via Web* -- click on the "Information" tab to view the Software Version, OR
 - via Phone* -- press the Left soft key, go to "5. Info" and scroll to "Firmware Version".

Upgrade Troubleshooting

If the phone download image fails, it can be caused by any of the following reasons:

- ❑ The TFTP server is not working. (You can Ping the server from your computer. You can also login to the server from your computer to verify this.)
- ❑ The account information is incorrect (Incorrect user name or password).
- ❑ The TFTP server address is incorrect.
- ❑ The network configuration of the phone is incorrect (You can issue a Ping from IP Phone to verify this).
- ❑ The file is not located where you expected it to be. You can use your TFTP client login to the TFTP server (using the same account) to verify this.
- ❑ The file is in position, but the folder setting on the phone is incorrect.
- ❑ The file is in position and the folder is correct, but the filename is incorrect.

TFTP Software - Free Download

If you do not already have an TFTP program, you can go to the link provided and download an application for free ... <http://www.solarwinds.net/downloads>



Vertical Communications does not provide support for this TFTP product.

For technical assistance, contact Solar Winds.

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