User's Manual

for the

ATS E6501S

For use with Internet Phone service by SunRocket

Expandable DECT 6.0 Cordless Internet Phone with Adapter and Router Built In

Specific instructions for the addition of expansion handsets (model E6502S) may be found on page ~~72~~???.

To enjoy all the benefits of this product, please review the information contained in this manual

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Important Safety Instructions

BEFORE USING YOUR TELEPHONE EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSON, INCLUDING THE FOLLOWING

1. **Read and understand all instructions.**
2. **Follow all warnings and instructions marked on the product.**
3. **Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.**
4. **Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.**
5. **Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.**
6. **Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.**
7. **This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.**
8. **Do not allow anything to rest on the power cord. Do not locate this product where the cord will be damaged by persons walking on it.**
9. **Do not overload wall outlet extension cords, as this can result in the risk of fire or electric shock.**
10. **Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on this product.**
11. **To reduce the risk of electric shock, do not disassemble this product. Instead, when some repair work is required, take the unit to a qualified technician. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.**
12. **Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:**
    a. When the power supply cord or plug is damaged or frayed.
    b. If liquid has been spilled into the product.
    c. If the product has been exposed to rain or water.
    d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
    e. If the product has been dropped or cabinet has be damaged.
    f. If the product exhibits a distinct change in performance.
13. **Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning.**
14. **Do not use the telephone to report a gas leak in the vicinity of the leak.**
15. **This power unit is intended to be correctly oriented in a vertical or floor mount position.**
16. ⚠ **Use only with Class 2 (Classe 2) power source 7VDC 1A** - ◉ +

SAVE THESE INSTRUCTIONS

Safety Instructions for Handset Battery Pack

CAUTION:
There is a danger of explosion if the battery is incorrectly replaced. Use only an approved battery pack in the handset of your Cordless Telephone. To reduce the risk of fire or injury, always do the following when replacing, discarding, or charging battery, when handling the batteries, be careful not to short the battery with conducting materials such as rings, bracelets, and keys. The Battery or conducting material may overheat and cause burns. Use only the following type and size of battery pack:

FOR HANDSET UNIT:
GP60AAAH3BMX 3.6V 600mAh GPI INTERNATIONAL LIMITED

CONTAINS NICKEL-METAL HYDRIDE BATTERY. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY

1. **Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible special disposal instructions.**
2. **Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.**
3. **Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.**
4. **Charge the batteries provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.**
5. **Observe proper polarity orientation between the battery(ies) and battery charger.**
6. **Do not mix old and new batteries in this product.**
7. **Do not mix batteries of different sizes or from different manufacturers in this product.**

SAVE THESE INSTRUCTIONS

FCC 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.

Package Includes (Parts List) for E6501S (Master unit)

- Master Base
- Handset
- Ethernet cable
- Battery pack
- 7V Switching Power adapter

Package Includes (Parts List) for E6502S (Handset + Charger only)

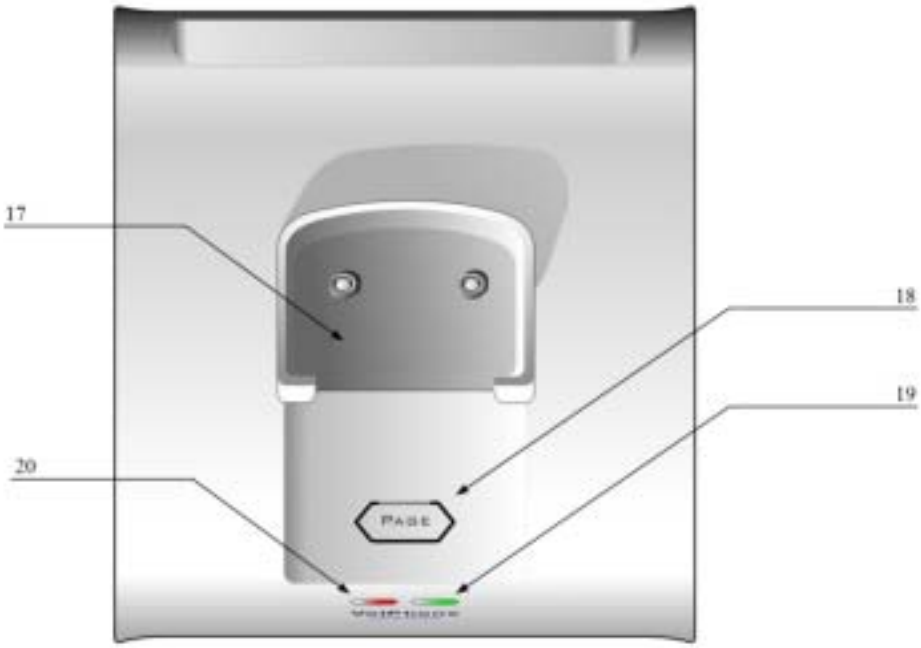
- Handset
- Battery pack
- Charger
- 9VDC Power adaptor

SPECIAL ATTENTION TO E6502S (Handset + Charger only)

- The handset works **ONLY** if you have purchased an ATS master unit (model E6501S)
- To register the new handset to the master base, please refer to the section "Registration of Expansion Handset with the Base" found on page ~~72~~???.

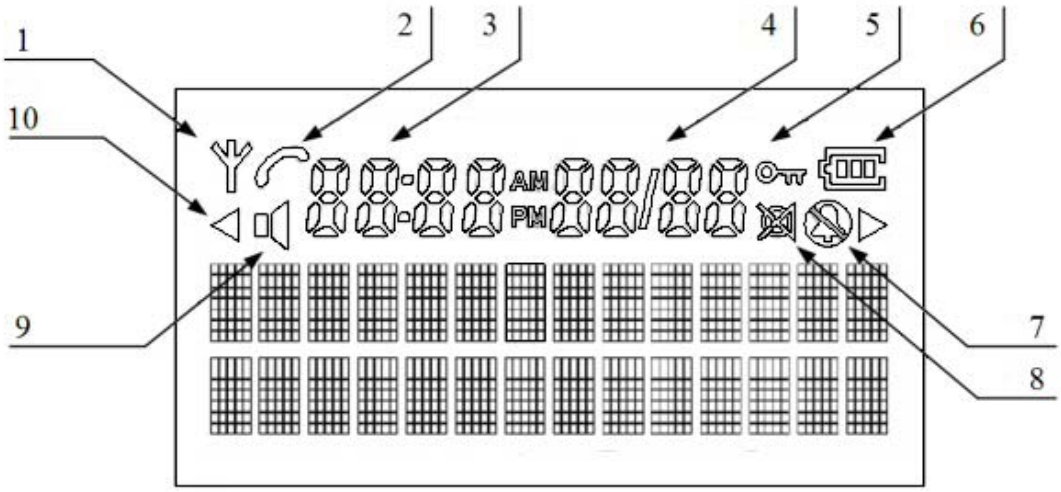
Handset and Base Layouts

1	Keypad (0-9; *; #)	9	Redial/Pause
2	Program	10	End Call (Onhook)
3	Handsfree (Speakerphone)	11	Cancel
4	Delete/Clear	12	Start Call (Offhook)
5	Navigation Keys	13	Intercom
6	LCD	14	Voice Mail
7	Receiver	15	Microphone
8	Message Waiting Indicator	16	Flash



17	Charge Cradle	19	In Use Indicator
18	Page Key	20	Message Waiting Indicator

Handset LCD Display



1. In Service icon (displayed when Handset is ‘in range’ of the Base)
2. Off Hook icon (displayed when Handset is on an external or intercom call)
3. Caller ID Time
4. Caller ID Date
5. Key lock icon (displayed when user locks the keypad)
6. Battery icon (battery level is shown)
7. Ringer OFF icon (displayed when user turns the ringer off)
8. Microphone Mute icon (displayed when microphone is set to mute)
9. Speakerphone icon (displayed when speakerphone is on)
10. Left / Right arrow icons (displayed to indicate the contents on LCD left / right)

Chapter 1: Introduction

Your E6501S package should include these items:

- E6501S base unit
- One Cordless handset
- One 3-meter Ethernet cable
- 7V switching Adapter
- User Guide and Safety Instructions
- SunRocket install steps
- SunRocket service plan and features
- SunRocket subscriber agreement
- American Telecom warranty card
- SunRocket 911 information

This user guide explains the basic steps for setting up, configuring, and operating the telephone features of the E6501S:

- **Chapter 2: Connect the E6501S** – this chapter covers how to connect the E6501S to your cable or DSL modem and your PC(s).

- **Chapter 3: Setup the Handset** – this chapter covers how to setup your handset for use with the E6501S.

- **Chapter 4: Configure your PC** – this chapter covers how to configure your PC to properly connect to the E6501S.

- **Chapter 5: Configure your E6501S** – this chapter covers how to configure the E6501S's basic router using a web-based utility.

- **Chapter 6**: **Advanced Configuration of E6501S** – this chapter covers the many advanced router features that are available on your E6501S.

- **Chapter 7**: **Voice Telephone Features and Operations** – this chapter covers the many voice features that are available on your E6501S.

Be sure to follow the instructions in Chapters 2 through 5 to insure that you are ready to connect to the internet and establish both voice and data service on your new E6501S.

Chapter 2: Connect the E6501S

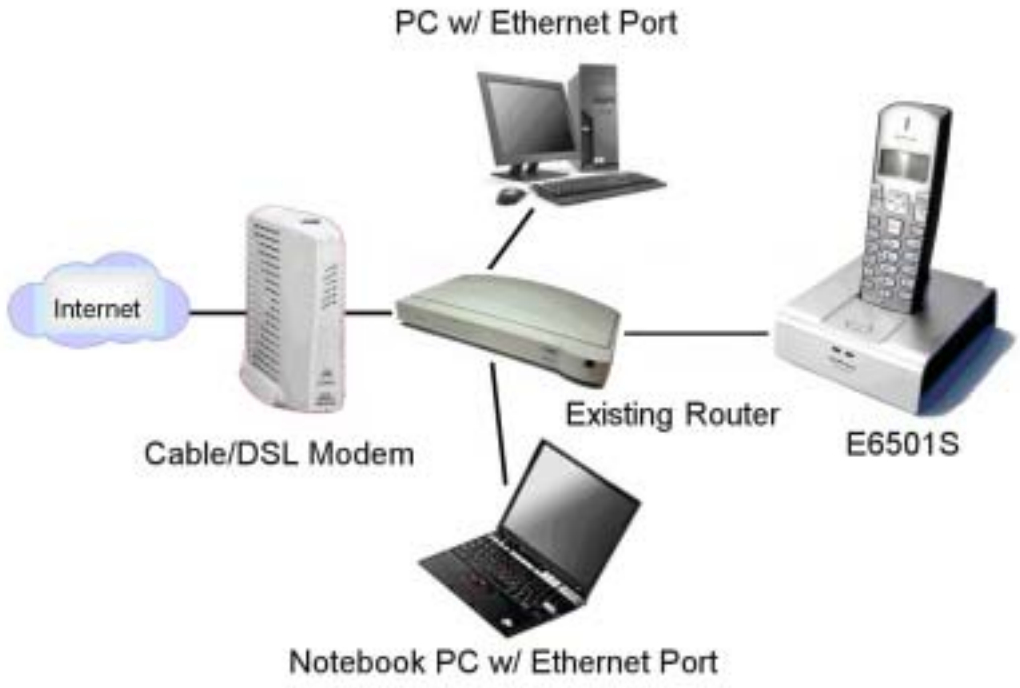
Overview

The rear panel of the E6501S base is where both power adaptor and Ethernet cables are connected:

LAN	The LAN (Local Area Network) port is where you connect the cable to your PC.
WAN	The WAN (Wide Area Network) port is where you connect the cable to your cable or DSL modem.
7V DC	The 7V DC port is where you connect the cable from your 7V switching adapter.

The best way to connect the E6501S depends upon your pre-existing network configuration. If you don't already own a router, or if your cable/DSL modem has an integrated router, you should use the configuration shown below for connecting your E6501S.

If you already own a router and you would like to continue using it, it is possible to put E6501S in a series connection with the existing router as shown in below diagram.



Connecting Your Hardware Together

1. Before you begin, make sure all of the hardware you will be connecting is powered off.
2. Connect an Ethernet cable from the DSL or Cable modem (which may have an integrated router) to the WAN port on the back of the E6501S.
3. If you have a PC to connect to the E6501S, connect an Ethernet cable to the LAN port on the back of the E6501S and the other end of the cable to the LAN port on your PC's Ethernet adapter.
4. If you have an existing Router you would like to continue to use, connect one end of an Ethernet cable to the WAN port on the back of the E6501S and the other end of the cable to one of the LAN ports on the router.
5. Make sure all devices are properly connected. Connect the power connector from your 7V switching adapter to the port labeled "7V DC" on the back of the E6501S. Plug the adapter into a wall outlet.
6. Power on the other devices that you have connected.

Your E6501S is now ready for configuration (Chapter 4), but first you will need to setup and begin charging the handset.

Chapter 3: Setup the Handset

Follow these steps to install your battery and attach the optional belt clip:

1. Open the battery compartment by sliding the cover down.
2. Plug the Battery Pack connector into the Handset socket, then place the battery pack and wires in the compartment.
3. Slide the battery cover back into place.
4. Place the handset in the base unit to begin charging. The unit should charge for 12 hours before first use. Note that it is normal for the battery compartment area to become warm during charging.

Chapter 4: Configure your PC

Overview

The instructions in this chapter will help you configure each of your computers to be able to communicate with the E6501S. If you are re-using an existing router, please skip ahead to the section, "Connect E6501S behind an existing router" later in this chapter.

To communicate with the router in the E6501S, your PCs must be configured to obtain an IP address automatically from the E6501S. This IP address helps the computer communicate across the Internet. It is quite likely that your computers are already configured that way, but the following instructions will help you make sure that is true.

Find out what operating system your computers are using and skip ahead to the appropriate section of this chapter that applies to you. You can find out what operating system you are running, such as Windows 95, 98, Millennium, 2000, or XP by:

- **Windows XP**: Click on the **Start** button, then **Control Panel** then click on **System**.

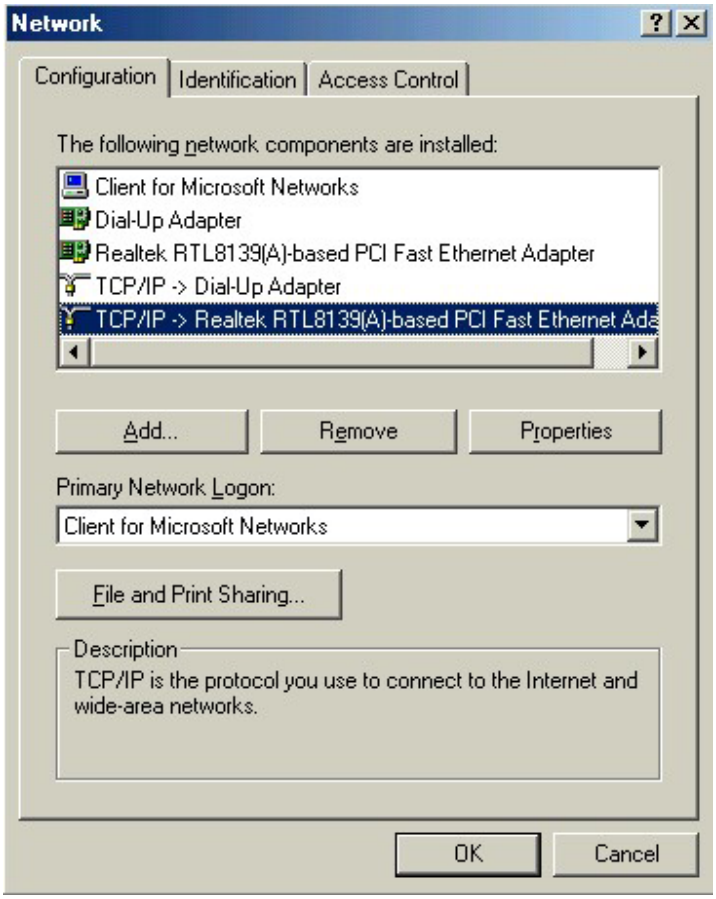
- **All other Windows Operating Systems**: Click on the **Start** button and then **Settings** and then click on **Control Panel**. Finally double click on **System**.

- **All other Operating Systems (Including Mac)**: Please see your system manual for instructions on enabling DHCP on your Ethernet interface.

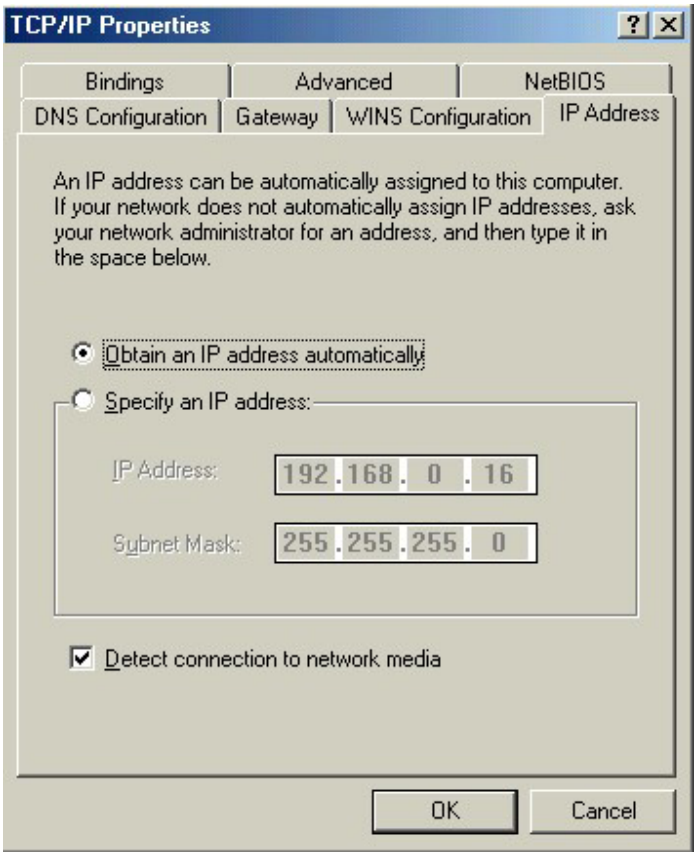
For the Windows OS, click cancel after you have identified your operating system.

Configuring Windows 95, 98, and Millennium PCs

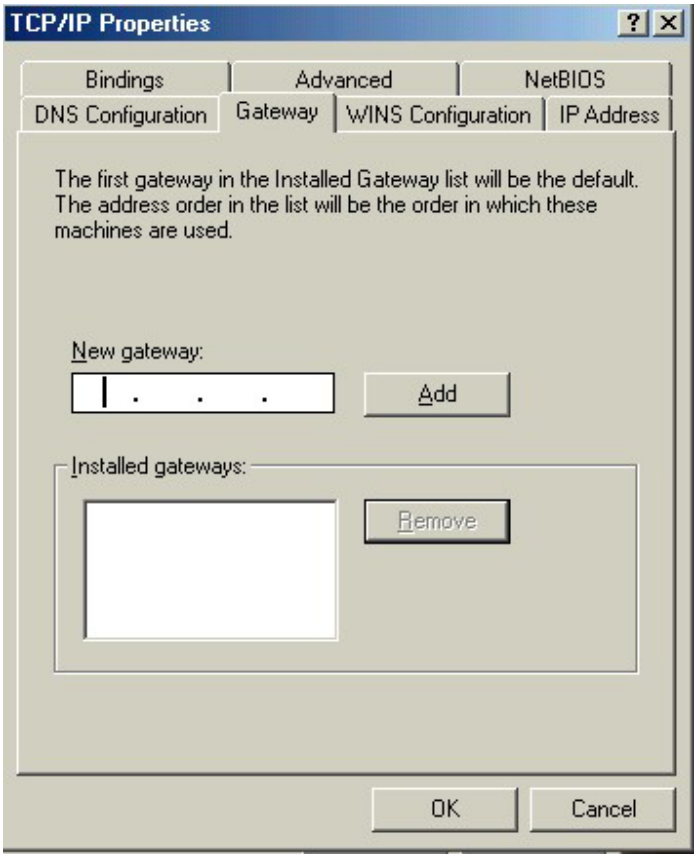
1. Go to the Network page by clicking on **Start** and then **Settings**. Click on **Control Panel** and then double-click on the **Network** icon to open the window below:



2. Select the **TCP/IP** line in the list that is associated with your Ethernet Adapter and click on the **Properties** button to open the window below:



3. Now click on the **Gateway** tab to open the window below:

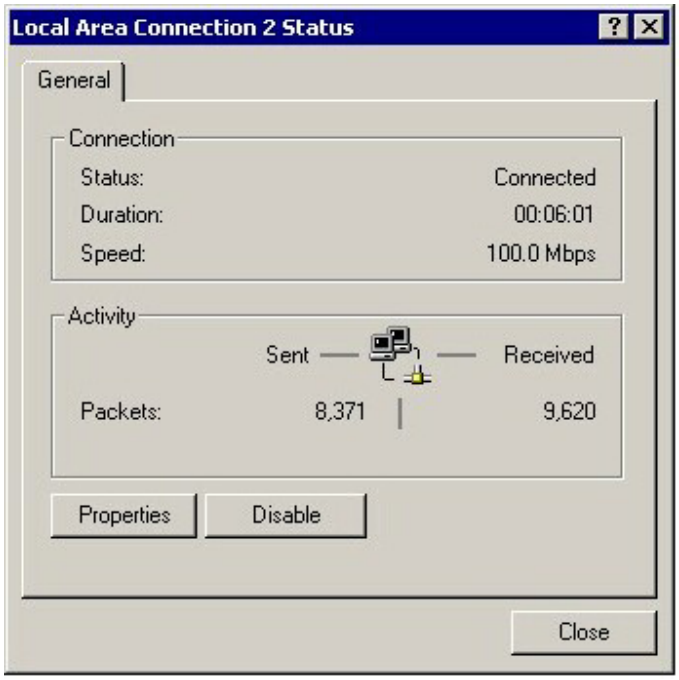


4. Remove any **Installed gateways** by clicking on the **Remove** button and then click on **OK**.
5. Click the **OK** button again. Windows may ask you to take additional steps at this point.
6. Finally, restart your PC if you have not already done so.

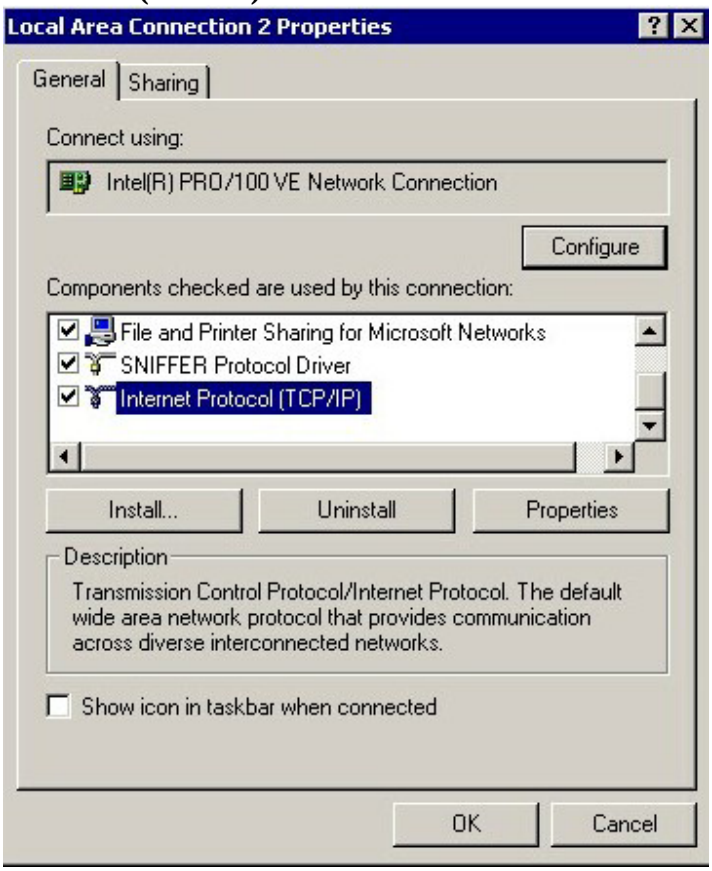
Configuring Windows 2000 PCs

These instructions assume you are running windows XP with the default interface. If you are using the Classic Interface, please follow the instructions for Windows 2000.

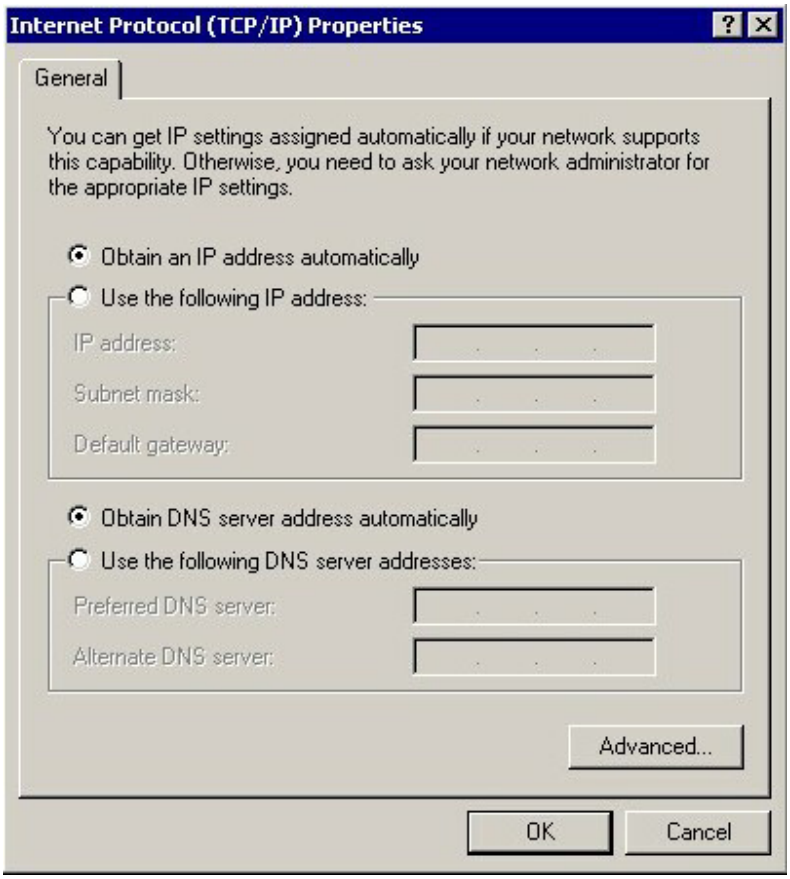
1. Find the Local Area Connection Status screen by clicking the **Start** button and then click on **Settings** and then **Control Panel**. From there, double click the **Network and Dial-up Connections** Icon, and finally the **Local Area Connection** item in the window that opens to see the window below (you may have several local area connection choices- choose the one that has your Ethernet adapter in the **Device Name** field):



2. Click the properties icon to see the window below and then select the item "**Internet Protocol (TCP/IP)"** from the list.



3. Click on the **Properties** button to see the window below:

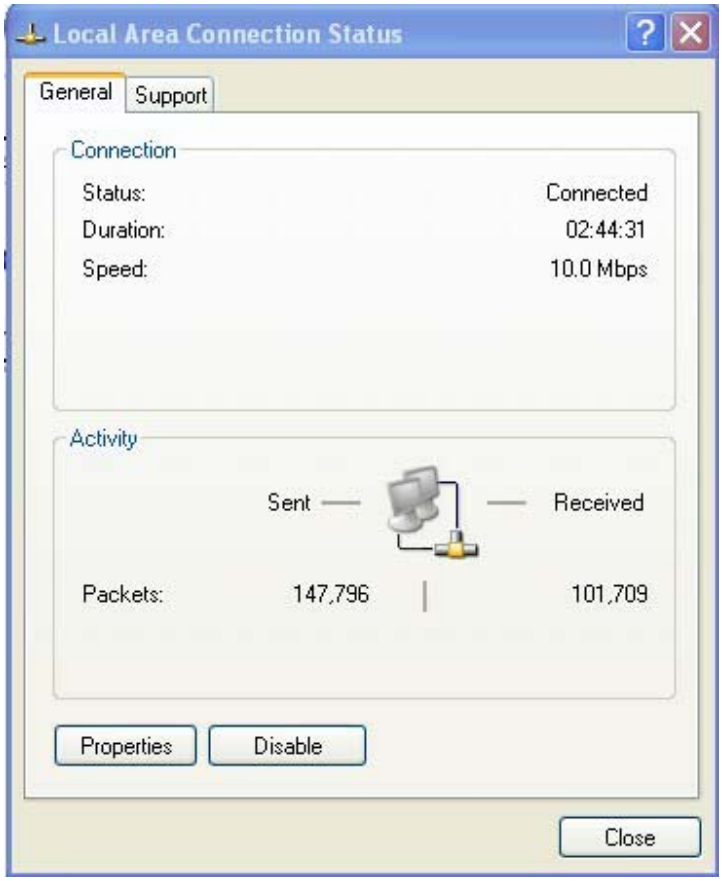


4. Select the items "**Obtain an IP address automatically**" and "**Obtain DNS server address automatically**" and then click **OK**. Click **OK** or **Close** button again to complete the setup.

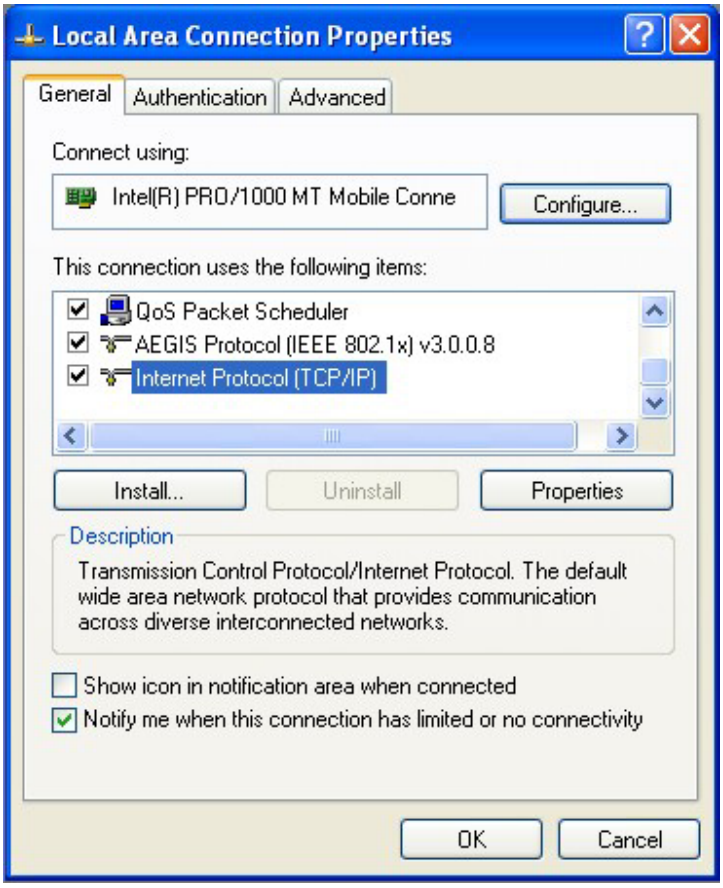
Configuring Windows XP PCs

These instructions assume you are running windows XP with the default interface. If you are using the Classic Interface, please follow the instructions for Windows 2000.

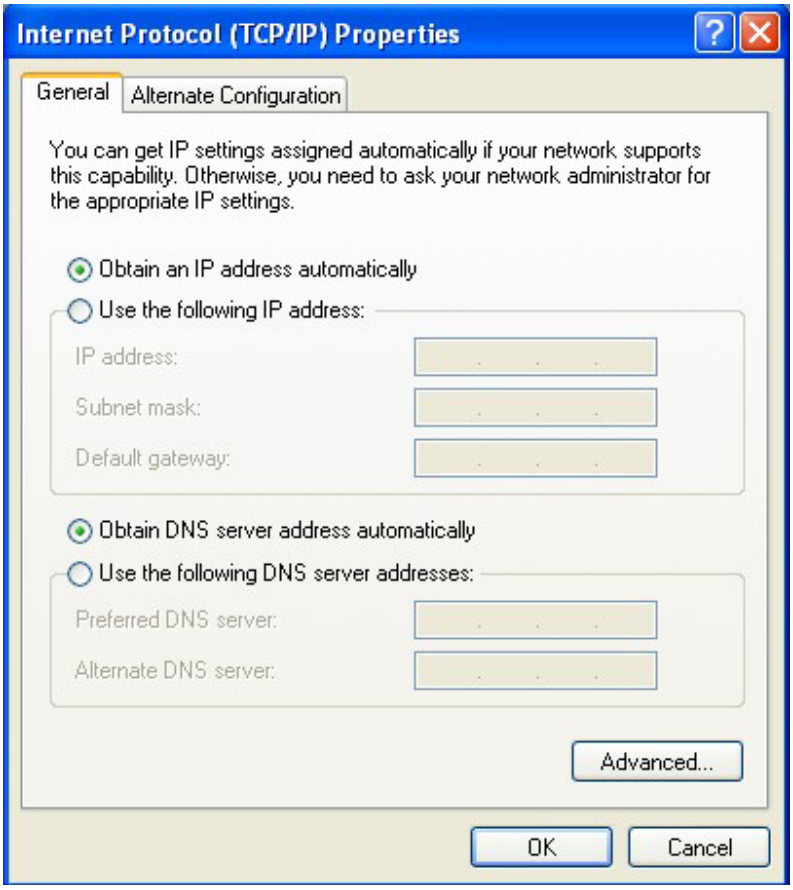
5. Find the Local Area Connection Status screen by clicking the **Start** button and then click on **Control Panel**. From there, click the **Network Connections** Icon, and finally the **Local Area Connection** item in the window that opens to see the window below:



6. Click the properties icon to see the window below and then select the item "**Internet Protocol (TCP/IP)"** from the list.



7. Click on the **Properties** button to see the window below:



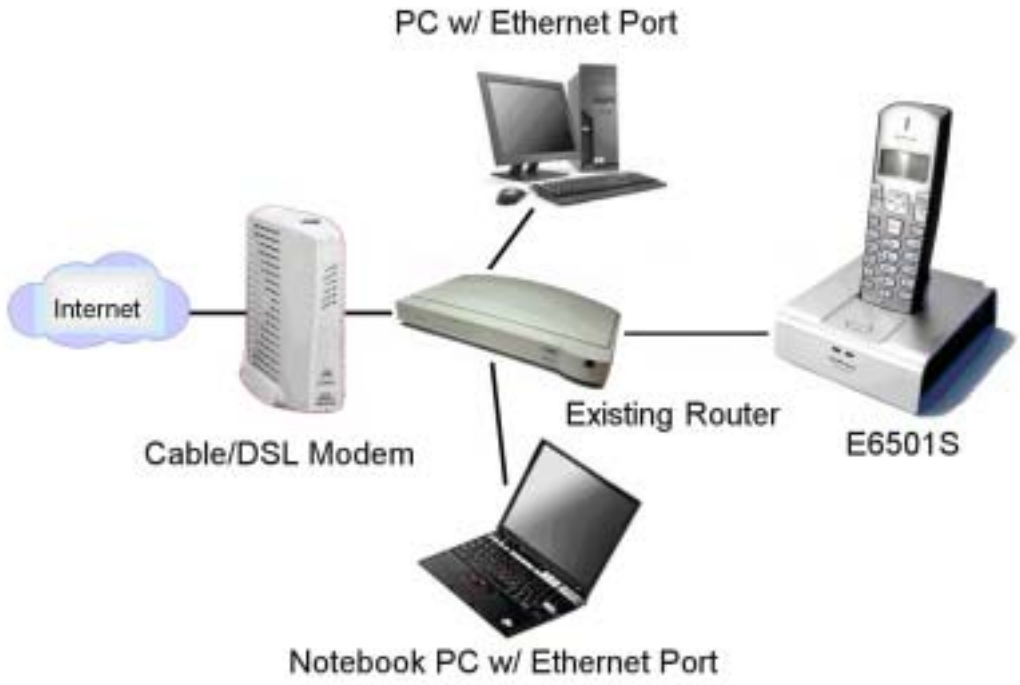
8. Select the items "**Obtain an IP address automatically**" and "**Obtain DNS server address automatically**" and then click **OK**. Click **OK** or **Close** button again to complete the setup.

Integrated Cable Modems/Routers

Some service providers are now providing an integrated modem/router with their service. As long as the LAN ports on this router are configured to provide DHCP to devices that are plugged into it, you can simply plug the E6501S into the modem/router and it should work as the E6501S defaults to using DHCP on its WAN interface. If DHCP is not enabled on the modem/router's LAN port, it should be enabled so the E6501S is able to obtain an IP address. If manual addressing is preferred, see **Chapter 5** for information on how to configure a static IP address on the E6501S's WAN port.

Note that the voice quality provided by the E6501S when operating behind a router may be diminished. It would be better to configure the integrated modem/router to act as a bridge instead of a router, and let the E6501S act as the first router connected to your service provider. See your integrated modem/router user manual for help on how to do this. If you make the integrated modem/router a bridge, you will need to configure your E6501S for the type of WAN interface that your service provider provides using the procedures described in **Chapter 5** (e.g. DHCP, Static, PPPoE).

Connect E6501S behind an existing router



If you decide to use the existing router connecting to your computer(s), follow the instructions provided with your router to enable DHCP service on the LAN interface of the router so that the E6501S is able to communicate with your router automatically. Since your computer(s) are still connected directly to your old router, you shouldn't have to change their configuration. If manual addressing is preferred between the E6501S and your existing router, see **Chapter 5** for information on how to configure a static IP address on the E6501S's WAN port.

Chapter 5: Configure E6501S router

This chapter will show you how to configure the router in your E6501S so that you may gain access to the Internet through your ISP (Internet Service Provider).

Your ISP will have provided information on how your PC should be configured for Internet Access. If you are replacing an existing router, you may be able to copy the required information from the setup screens of that router. You will use this information to properly setup the options that are described below.

Before we begin, we must first connect using a web browser to the configuration web page of the E6501S. These steps assume you have properly connected the router as described in, "Chapter 2: Connect the E6501S" and configured your PC as described in, "Chapter 4: Configure your PC".

1. Open the web browser on your PC (It is normal for an error screen to appear). Enter **http://192.168.10.1** in the web browser's Address field and press the **Enter** key.
2. An **Enter Network Password** window, shown below, will open.

3. Enter **admin** for the **User name** and **admin** for the **Password** and click on **OK**. The browser should then show the screen below:

If user name and password is input correctly, the Status page will come up and it shows the quick summery of the E6501S.

4. Click on the **Network** and then **WAN Config,** the WAN configuration menu displays this screen:

5. From the **WAN Config** choose the type of connection provided by your ISP: **DHCP**, **Static IP**, or **PPPoE**.
6. Follow the appropriate step below for your connection type

   a. **For DHCP connections**:
   - Select **DHCP**.
   - click on **Apply** and go to Step 7.

   b. For Static IP
   - Select **Static**
   - Enter the IP address, Subnet Mask, Gateway, Primary DNS, and Secondary DNS provided by your ISP.
   - Click on **Apply** and go to Step 7.

   c. For PPPoE
   - Select **PPPoE**.
   - Enter the PPP User Name and PPP Password provided by your ISP.
   - Click on **Apply** and go to Step 7.

7. If you haven't already done so, click **Apply** to save the settings you have made.
8. Click on **System Tools** and then **System Save**, the System Save menu will appear. Press **Save** to save the settings you have made.

9. Reset the power to your cable or DSL modem.
10. Reset the power to your E6501S.
11. Finally, you will need to shut down and restart all of the PCs (and Router if present) that are connected to the E6501S.

Chapter 6: Advanced Configuration of E6501S

This chapter will provide instructions on all of the configuration options available for your E6501S's router. A detailed description of every option that can be configured is provided in the following sections.

Status

Select the **Status** menu item at the left of the screen and the screen below will appear:

It provides user a summery of production information, network settings, VoIP settings and registration status. The meaning of the status items are listed in the following:

Model: The model number which is E6501S.
Software Version: The software version currently runs in your E6501S.
Hardward Version: The hardware version of the E6501S.

WAN - **Connection Mode**: The connection method which E6501S is using to connect from its WAN port to the DSL modem. It can be DHCP, Static or PPPoE depending on the user settings in WAN Config page.
- **IP Address**: The IP address used by the WAN port.
- **Gateway:** The addess of Gateway used by the WAN port to access the internet.
- **MAC Address**: The physical MAC address of the WAN port.

LAN - **DHCP Server**: It displays the LAN DHCP server is enable or disable.

- **IP Address**: This is the IP address assigned to the LAN port on your E6501S. The factory default value for this address is 192.168.10.1. This is the address that will be entered to access the configuration web pages. If you change this value you must use the new address to access the configuration web pages.
- **MAC Address**: It displays the physical MAC address of the LAN port.

SIP

- **SIP Proxy**: It shows the provisioned SIP proxy provided by your SIP provider which is used by E6501S for all VoIP calls.

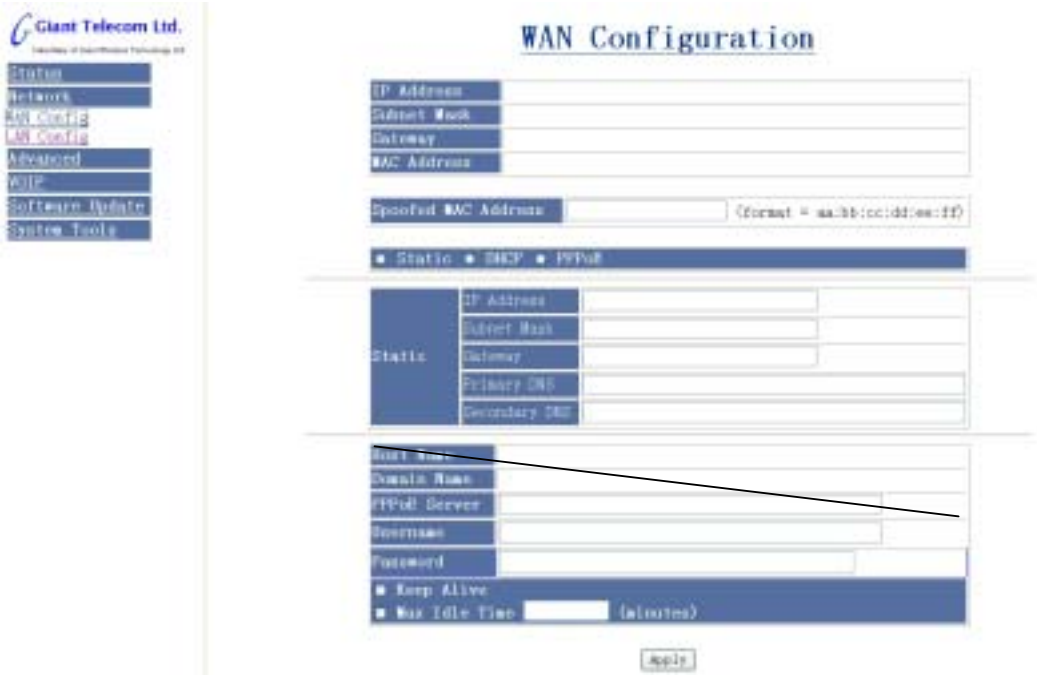
- **Register Proxy**: It shows the provisioned Register proxy provided by your SIP provider which is used by E6501S for registration. If the registration is successful, the status will be shown in the Registration Status.
- **Outbound Proxy**: Some SIP providers will use outbound proxy in order to allow dialing out outgoing calls. If the outbound proxy address is input in the SIP Config page, it will be displayed here.
- **STUN Server**: Some SIP providers will solve the NAT problem by STUN server and they will provide the STUN server address to their customers. If E6501S is used behind a NAT and the STUN information is input in SIP Config page, the STUN server information will be displayed here.

Registration Status: It shows E6501S is still "Unregistered" to the SIP provider or it has properly "Registered" and ready to use.

Phone Number: It shows the phone number which is assigned to E6501S after successful registration.

Network – WAN Config

You can enter this page by clicking **NETWORK** and then **WAN Config** at the menu on the left of the screen. The WAN Config page will display on screen. The current WAN port IP address, subnet mask, gateway and MAC address are listed on the top of this page for user's information. Always remember to click APPLY to save the changes you have made.



Spoofed MAC Address: Some ISPs require the device connected to the cable or DSL modems to use a specific MAC address. You can enter a value in this field to force the E6501S to use the MAC address you specify on the WAN port.

Static, DHCP, PPPoE: These are the connection methods that the E6501S WAN port uses to obtain IP address. Only one of these connection methods can be selected at a time.

DHCP - **Host Name**: Some ISPs need to have the host name field populated with this value when a DHCP request is made. Your ISP will provide this value if needed.
- **Domain Name**: Some ISPs need to have the domain name field populated with this value when a DHCP request is made. Your ISP will provide this value if needed.

Static - **IP Address**: Once the Static connection method is selected, enter in this field the IP address you would like to assign to the WAN port of the E6501S. This should be provided by your ISP.
- **Subnet Mask**: Enter in this field the IP Mask or Subnet Mask associated with the WAN. This should be provided by your ISP.
- **Gateway:** Enter in this field the Default Gateway or Router IP address to be used by the E6501S. This should be provided by your ISP.
- **Primary DNS**: Enter in this field the Primary DNS IP address to be used by the E6501S. This should be provided by your ISP.
- **Secondary DNS**: Enter in this field the Primary DNS IP address to be used by the E6501S. This should be provided by your ISP.

PPPoE - **User Name**: Enter in this field the PPP User Name that was provided by your ISP. This user name is used to authenticate the PPP session with the ISP.

- **Password**: Enter in this field the PPP Password that was provided by your ISP. This user name is used to authenticate the PPP session with the ISP.
- **Keep Alive**: Select this option if you would like to keep your PPPoE session active at all times by using a Keepalive timer. This would be useful if its important that you have very low latency responses to internet requests at all times. Otherwise, your PPPoE session may timeout and it may take a second or two to reconnect.
- **Max Idle Time**: Enter in this field the number of minutes after which you would like the PPPoE session to be disconnected. This setting is ignored if **Keep Alive** is selected.

Network – LAN Config

Enter this page by clicking **NETWORK** and then **LAN Config** at the menu on the left of the screen. The LAN Config page will display on screen. Always remember to click APPLY to save the changes you have made.

LAN IP Address: This is the IP address assigned to the LAN port on your E6501S. The factory default value for this address is 192.168.10.1. This is the address that will be entered to access the configuration web pages. If you change this value you must use the new address to access the web pages.

Subnet Mask: This is subnet mask associated with the assigned LAN IP address of your E6501S LAN port.

MAC Address: This is the MAC address of the LAN port's physical interface.

Chapter 7: Voice Features and Operations

The following sections will help you understand how to use the many features on the cordless handset to help you get the most out of your system. The E6501S can support up to 5 cordless handsets (Model E6502S).

Basic Operation

After you configure your E6501S for the first time (See Chapters 2-7 for more information) the E6501S will contact SunRocket over your internet connection.
When you plug the Ethernet cable into your router for the first time the E6501S will contact SunRocket over your Internet connection. The start of service may be delayed for up to 10 minutes as the internal firmware in the device is upgraded. **DO NOT UNPLUG THE BASE UNIT DURING THIS TIME.**

Power on operation

The handset is powered by plugging a battery or by putting on it on an accessory cradle. Once the power sequence is completed, the handset will begin to search for a base station that has been registered to. The display will show….

```
SEARCHING...
```

Once the base is found, handset will show the handset name, and number in parenthesis.

```
10:28 AM 18/12
Handset      1
```

If the handset was not previously registered to a base, as is the case with an accessory handset, the display will show….

MUST REGISTER
HANDSET

Refer to the section of registering a handset for more information on how to proceed.

Making VoIP calls

Making VoIP calls can only be performed when the handset is in range of the base to which it is registered.
Press to make a VoIP call. The icon will display to indicate E6501S in phone on mode. 'IP-1' or 'IP-2' will be shown to indicate the VoIP call session.

IP-1
DIAL

Once you have started entering digits…

IP-1
075526069088
DIAL

… the base will wait for several seconds for the the entering the number finish. After this period the base will automatically try to connect the call.
Once the calling party answers the call, the display will change to display the call progress.

```
00:00  IP-1
07552606908 8
TALK
```

If you have other handsets subscribed to the same base, it will show “extension in use” to indicate the VoIP line is in use.

```
10:28 AM 18/12
EXTENSION
IN USE
```

Pre-dialing
You may enter the number before pressing , as shown:

```
10:28 AM 18/12
1234567
```

- Press **Del** to delete the last digit entered. Press and holding the **Del** key will remove all the digits and return the handset to IDLE mode.
- After the desired number is entered, press to dial out.

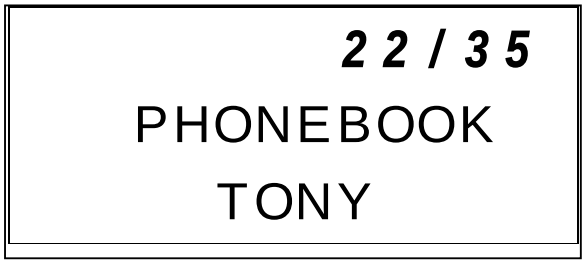
Redialing
Press the **Redial** key to show the last 20 dialed numbers during handset standby.

```
                1/10
      REDIAL
123-4567
```

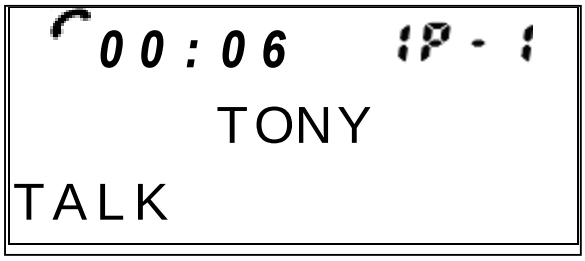
- Use ▲ and ▼ keys to view the previous/next number.
- Use ◀ and ▶ keys to browse the number exceeding the LCD.
- If the redial number matches a phonebook entry, the phonebook name will be shown in the redial list.
- Press the key to dial the selected number.

Recalling a number from the phone book directory

To retrieve the number stored in the phone book memory during standby mode, press the ▲ key. This will immediately place the user in phonebook review mode.



- The entries can be stepped through by pressing ▲ and ▼.
- Press to dial out the selected number.



Call log reply

To open the call log, you can press ▼ key during handset standby.

- Navigate through the call log by using the ▲ and ▼ keys to locate the desired entry.
- To call back to the caller, press to go off-hook and dial out the number.

Receiving external Call

When receiving an external call, all handsets will ring. The “INCOMING CALL” screen will be shown…

```
10:28AM 18/12
INCOMING
IP CALL
```

- If the network provider supports caller ID, the caller's number or name will be shown.

```
10:28AM 18/12
TONY SMITH
123-4567
```

- Press to answer the call while handset is ringing.

```
00:01 IP-1
TONY
TALK
```

- An incoming call can also be answered by lifting the handset from the base of charging cradle. This is called the auto-answer function.

Making internal calls

If there is more than one handset subscribed to the same base, you can make internal call between any two handsets.
During standby mode press the **Intercom** key, select the name of the handset you wish to call from the list.

```
1/3
INTERCOM
>Handset 2
```

- Press to initiate the internal call to the handset selected.

- If the selected handset is idle, it will ring indicating the intercom call.
- If the destination handset can not accept the call the display will show busy as in the following:

```
Handset 2
   IS BUSY
```

Receiving internal Call

When receiving an internal call, the handset will ring. “INTERCOM” will be shown on the display, along with the name of the handset trying to call you.

```
 10:28 AM 18/12
   INTERCOM
Handset      1
```

Press to answer the internal call.

```
 00:01 int
LIVING ROOM 1
TALK
```

Terminating a call

All calls can be terminated by pressing the **END** key.
A call can also be terminated by placing the handset in the base or charging cradle.

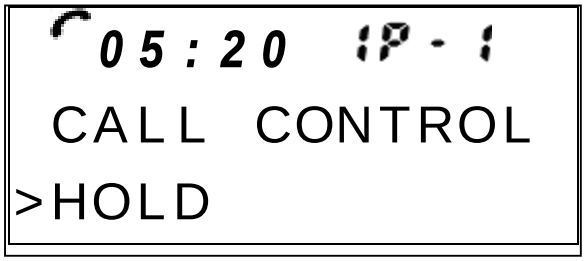
Conference mode

If one handset tries to go off-hook by pressing while another handset is already on a VoIP call, the two handsets and the external VoIP call will be placed into conference.

Joining two external calls

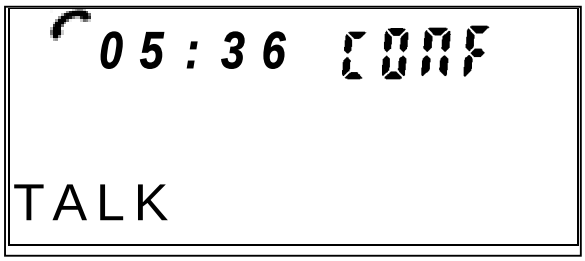
If a handset is on a VoIP call and has another VoIP call on hold, it is possible to conference the two VoIP calls.

- Press the **PROG** key, this will bring up the call control menu.



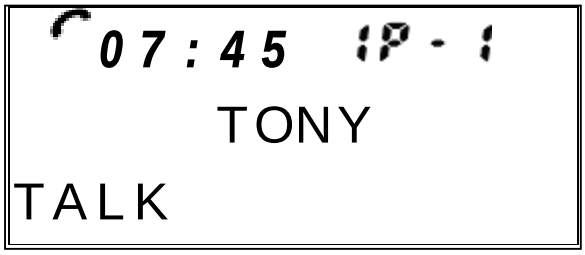
- Select the CONFERENCE option, and press **PROG**.

The two external calls will be combined into 1. The word CONF will be displayed to indicate the joining calls status.



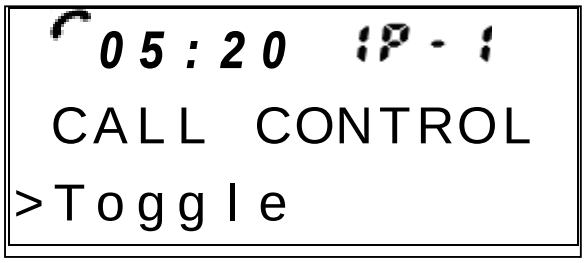
Notes:

- A conference call can not be transferred or forwarded.
- When one external party leaves the call, the call name will revert back to name associated with the remaining external party. For example:



Hold a call

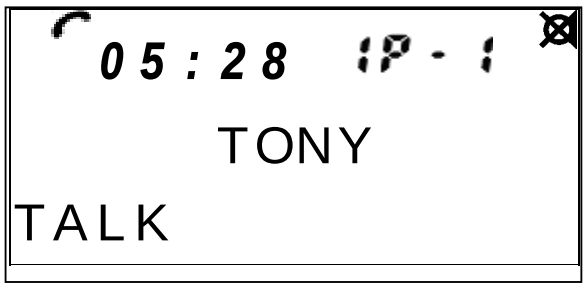
Any external call can be placed on HOLD by selecting the TOGGLE option from the call control menu. Pressing **PROG** during an external call will to bring up the call control menu and select TOGGLE.



Pressing **PROG** again to confirm placing the current call on hold, and the handset will change to the second line and ready to make another external call.
The handset can return to the first call by selecting the TOGGLE option in the call control menu again.

Mute

During a call, the microphone can be muted by pressing **DEL** key. After the function is selected, the icon will be shown on the display.



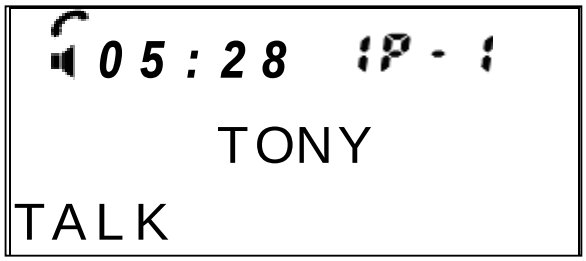
When the microphone is muted the user can press **DEL** again to enable the microphone. After that, the icon will disappear.

Handset speakerphone

During a call, pressing the key will turn toggle between normal earpiece and handsfree mode.

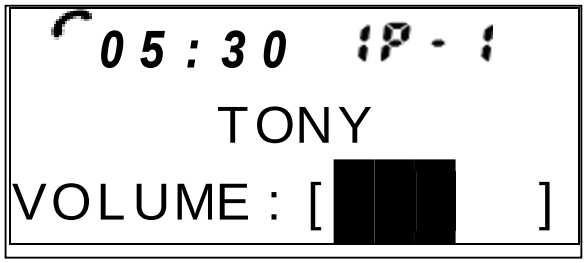
NOTE:

- The key can also be used to answer incoming call and handset will enter handsfree mode directly.
- During handsfree operation the display will show the icon.

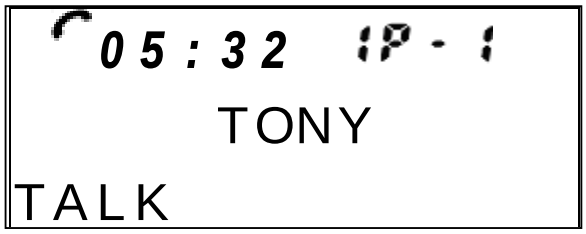


Changing Volume

During conversation (internal and external call), the ear-piece volume can be adjusted by pressing the ▲ and ▼ key. There are 6 levels for the volume adjustment and they are shown temporarily on display when volume is being changed. Level 0 is the ringer off. level 5 has the highest volume. Use the ▲ key to increase the level and the ▼ key to decrease the level.

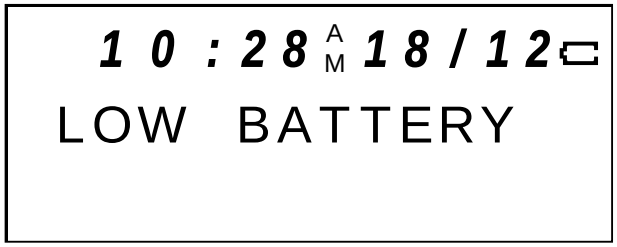


After a few seconds the display would return to normal conversation mode.



Low battery Warning

When the battery low condition is detected during standby mode, a single low-battery warning tone can be heard and the empty battery sign is shown.

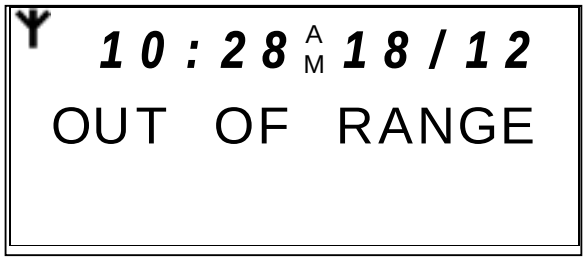


If, however, the low battery condition is detected when a call is active, a low-battery warning tone can also be heard from ear-piece every 30 seconds, and the empty battery sign is shown.

The current call connection will continue until the call is terminated, or the handset battery dies, at which time the call will be disconnected.

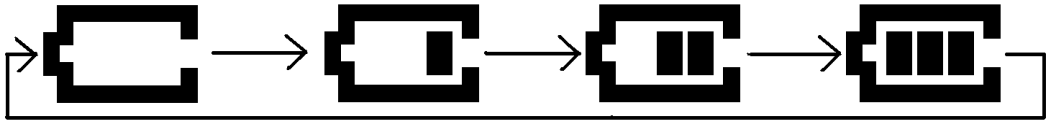
Out of range warning

When a handset is too far away from a base station, the antenna icon will flash on the display. If the handset is in active call, an out of range warning tone can also be heard from the earpiece.



Battery charging

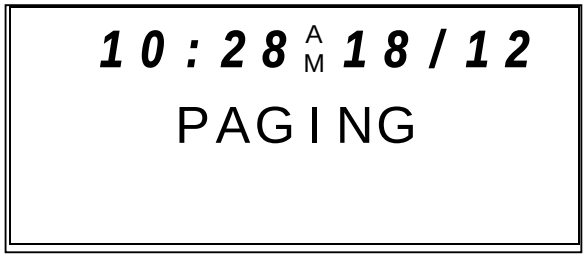
While the battery is being charged, the following animation on the battery icon can be seen to indicate the charging progress.



Once the battery is fully charged, the animation will stop and the battery icon will show a full battery.

Paging function

To page a handset(s), press the **PAGE** key on the base. All the handset(s) subscribed to the base will output the paging tone, and the 'PAGING' message will be shown on LCD.



Note

- Pressing the page key on the base, or any key in the handset, can stop the page tone and paging display.
- The base will automatically stop the paging after 30 seconds.

Base Unit Status Indication

. The base unit is equipped with an **Message Waiting** indicator (a red LED), which is turned on the base is powered on. When there is unplayed voice message(s) in mailbox, this indicator will flash. Once the mailbox number is dialed, this indicator will stop flashing.

The second one is called the **IN USE** indicator (a green LED) and it is on whenever there is an active external call.

Handset Status Indication

Handset Status Indication – Display Icons and Message Waiting Indicator (LED)

Service Indication (Antenna icon)

This icon is displayed when the handset is within range of the base. This icon flashes when the handset is out of range of the base.

Off Hook (Telephone icon)

This icon is on when the handset is in use (off hook).

Handsfree (Speakerphone icon)

This icon is displayed when handset is in handsfree mode.

Low Battery (Empty battery icon)

This icon is displayed when the battery voltage drops below the critical charge level. The icon is turned off when the battery is charged above its critical level.

Key Lock (Key lock icon)

The key lock icon is displayed when the keypad has been locked.

Mute (Mute icon)

The icon is displayed when handset microphone is muted.

Ringer Off (Ringer off icon)

The icon is displayed when you program the ringer to OFF (ring volume = 0).

Scroll Available (and icons)

These icons is on to indicate the current display can be scrolled left or right to see more off display content.

Message Waiting Indicator (LED)

This LED is on when there is unplayed voice message(s) in your mailbox. Once you dial to the voice mailbox number, the LED will become off.

Audible Alerts

The handset provides a number of audible indications.

Out of Range:
- The handset emits **one** triple-beep after being out of range of the base for at least 1 minute.

Low Battery:
- The handset emits a double-beep **two times** (separated by 1 minute) in the earpiece when you are on a call.
- The handset emits a double-beep **two times** (separated by 1 minute) when in idle (on-hook) mode.

Charging:
- The handset beeps when correctly placed in the charger.

Registration of the Handset with the Base:
- The handset beeps when the registration procedure is successfully completed.
- The handset emits **one** double-beep in the event of unsuccessful registration.

Troubleshooting

The E6501S uses your existing broadband Internet connection for placing and receiving calls. For successful operation it must be able to communicate with your modem or home router without error. The most common indication of an error is that you do not hear dial tone after you push the Talk button on the handset, and the display says "No Line". Please check the following before contacting SunRocket for additional help:

1. Check that the provided Ethernet cable is connected between the RJ-45 WAN jack on the rear of the E6501S to your home Router or to your broadband modem.
2. If connected to your home router, verify that your home router is configured to use DHCP to provide IP addresses to attached devices. If not, enable DHCP on your home router, or contact SunRocket for help on manually setting an IP address in the E6501S. If connected directly into your modem, confirm that your E6501S is configured properly to connect to your broadband internet provider.
3. If your E6501S is connected into your home router, your home router may have a firewall that is blocking access to SunRocket. Contact SunRocket for help on programming your firewall to eliminate this block.

SunRocket Member Services can be contacted by emailing MemberServices@SunRocket.com or by calling 1-800-786-0364, 7 days a week, 7am to Midnight ET.

If you believe your phone is defective or missing components, please contact ATS Customer Service at 1-888-928-7746, Monday – Friday, 9 am to 5 pm PT.

American Telecom Services, Inc
2466 Peck Road,
City of Industry CA 90601
1-888-928-7746

Consumer Information

1. Please follow instructions for repair (e.g. battery replacement section); otherwise do not change or repair any parts of the device except those specified.
2. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.
3. This equipment is hearing aid compatible.

NOTICE:

According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrestor is recommended.

Should you experience trouble with this equipment, please contact SunRocket for service information.

FCC Statements

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.

FCC RF Radiation Exposure Statement:
Caution: To maintain the compliance with the FCC's RF exposure guideline, place the base unit at least 20 cm from nearby persons.

For body worn operation, this handset has been tested and meets the FCC RF exposure guidelines. Use of accessories may not ensure compliance with FCC RF exposure guidelines.

WARNING:
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the belt clip supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Limited Warranty

WHAT DOES OUR WARRANTY COVER?

- Any defect in material and workmanship.

FOR HOW LONG AFTER THE ORIGINAL PURCHASE?

- To the original purchaser only – ONE YEAR.

WHAT WILL YOUR SERVICE PROVIDER DO?

- At our option, repair or replace your unit.

HOW DO I ARRANGE FOR SERVICE, WHETHER IN OR OUT OF WARRANTY?

- Call ATS Customer Support for Return Authorization at 1-888-928-7746.
- Carefully pack your unit. Include all accessories provided with the product. We recommend using the original carton and packing materials.
- Include a copy of the sales receipt or other evidence of date of original purchase (if purchase was within the last 12 months).
- Print your name, address and phone number, along with a description of the defect, and include this in the package.
- Include payment for any service or repair not covered by warranty, as determined by your Service Provider.

WHAT DOES OUR WARRANTY NOT COVER?

- Batteries
- Damage from misuse, neglect or acts of nature (lightning, floods, power surges, etc.)
- Products which may be have been modified or incorporated into other products
- Products purchased and/or operated outside of the U.S., its territories, or Canada
- Products services by the owner or a service facility not expressly authorized by American Telecom
- Products purchased more than 12 months from the current date
- Units purchased in "AS IS" condition or units purchased as "Distressed Merchandise"

HOW DOES STATE OR PROVINCIAL LAW RELATE TO THIS WARRANTY?

- This warranty gives you specific rights. You may also have other rights which vary from state to state or province to province.

SunRocket Member Services can be contacted by emailing MemberServices@SunRocket.com or by calling 1-800-786-0364, 7 days a week, 7am to Midnight ET.

If you believe your phone is defective or missing components, please contact ATS Customer Service at 1-888-928-7746, Monday – Friday, 9 am to 5 pm PT.