Regulatory Compliance and Safety Information For 57i CT IP Phone

Base Unit

United States Class B Notice - FCC Compliance

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

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

Canada Class B Notice

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Australia/New Zealand and European Class B Notice

CE N12558

EMI/EN 55 022 statement

This certifies that the Aastra IP Phone is shielded against the generation of radio interference in accordance with the application of Council Directive 89/336/EEC. Conformity is declared by the application of EN 55 022:1998 and EN 55 024:1998.

CE Declaration of Conformity

This product conforms to the provisions of Council Directive's EMC Directive (89/336/EEC), Low Voltage Directive (73/23/EEC), and R+TTE Directive (1999/5/EC).

Publish Date: 01/02/2007
Document: 41-001198-01 Rev 02

Equipment Installation

WARNING: Only trained and qualified personnel should be allowed to install, replace, or service this equipment. The equipment must be placed indoors and connected to indoor networks only.

Cordless Handset
Regulatory Information

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

WARNING: This equipment complies with FCC and IC RF radiation exposure limits set forth for an uncontrolled environment. This device must be operated such that; a minimum separation distance of at least 20cm is maintained between the radiator (antenna) & user's/nearby people's body at all times and it must not be co-located or operating in conjunction with any other antenna or transmitter.

This class B device complies with Part 15 of the FCC rules and ICES-003 Class B Canadian EMI requirements. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept interference received, including interference that may cause undesired operation.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with Aastra Telecom accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.
Highest reported SAR values are as follows: Head: 0.05 W/kg; Body: 0.33 W/kg.
FCC ID: SDVCM16
IC: 1884A-CM16

AVIS RÉGLEMENTAIRES

Cet appareil de classe B respecte les normes prescrites pour l'équipement de classe B en matière d'interférences radioélectriques, tel que le stipule l'article 15 de la FCC, ainsi qu'à la norme canadienne sur le matériel brouilleur ICES-003 applicable aux appareils de classe B. Le fonctionnement de l'appareil doit se conformer aux deux conditions suivantes: (1) il ne doit pas émettre de brouillage préjudiciable et (2) il doit absorber tout brouillage reçu, y compris celui pouvant entraîner un mauvais fonctionnement.

Publish Date: 01/02/2007
Document: 41-001198-01 Rev 02

General warnings

The following safety warnings apply:

- Mechanical hazards and electrical shock hazards are possible if you remove one or more of the modules. There are no operator-serviceable modules. Only qualified personnel should service this equipment.
- This equipment must be connected to a protective ground according to the instructions in this manual. Improper grounding may result in electrical shock.
- This equipment does not provide safety isolation between any port that is connected to a digital network termination point or any port to which terminal equipment is connected.
- The wall circuit breaker provides the main protection for this equipment.
- Ensure that rack installation does not result in airflow blockage to power supply vents or chassis vents.

Lithium battery caution

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

ATTENTION: Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

Safety Certification

The Aastra IP Phone is in compliance with regulations as follows:
cUL 950, NTRL/UL 1950, TUV EN 60 950

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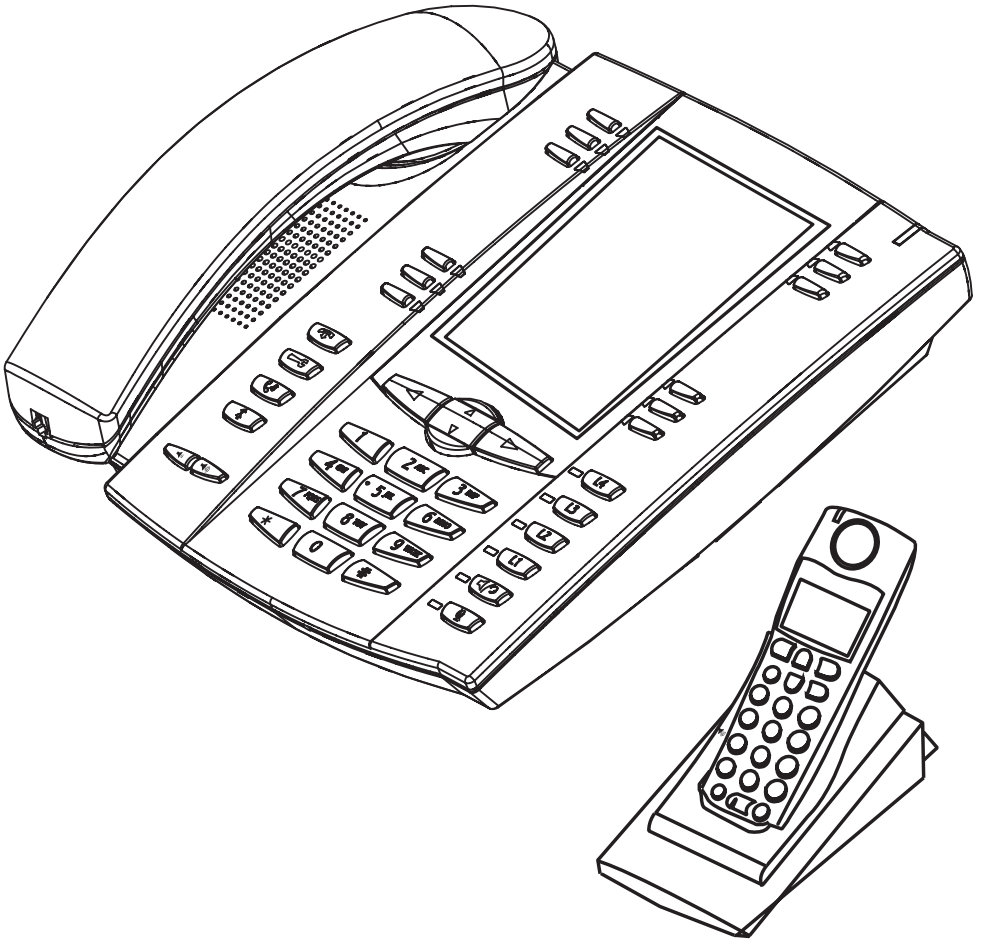
Publish Date: 01/02/2007
Document: 41-001198-01 Rev 02

57i CT IP Phone

Installation Guide

41-001161-00

Rev 01



Safety Information

⚠ **Warning**: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

⚠ **Warning**: This equipment complies with FCC and IC RF radiation exposure limits set forth for an uncontrolled environment. This device must be operated such that; a minimum separation distance of at least 20cm is maintained between the radiator (antenna) & user's/nearby people's body at all times and it must not be co-located or operating in conjunction with any other antenna or transmitter.

Software License Agreement

Aastra Telecom Inc., hereinafter known as "Seller", grants to Customer a personal, worldwide, non-transferable, non-sublicenseable and non-exclusive, restricted use license to use Software in object form solely with the Equipment for which the Software was intended. This Product may integrate programs, licensed to Aastra by third party Suppliers, for distribution under the terms of this agreement. These programs are confidential and proprietary, and are protected as such by copyright law as unpublished works and by international treaties to the fullest extent under the applicable law of the jurisdiction of the Customer. In addition, these confidential and proprietary programs are works conforming to the requirements of Section 401 of title 17 of the United States Code. Customer shall not disclose to any third party such confidential and proprietary programs and information and shall not export licensed Software to any country except in accordance with United States Export laws and restrictions.

Customer agrees to not reverse engineer, decompile, disassemble or display Software furnished in object code form. Customer shall not modify, copy, reproduce, distribute, transcribe, translate or reduce to electronic medium or machine readable form or language, derive source code without the express written consent of the Seller and its Suppliers, or disseminate or otherwise disclose the Software to third parties. All Software furnished hereunder (whether or not part of firmware), including all copies thereof, are and shall remain the property of Seller and its Suppliers and are subject to the terms and conditions of this agreement. All rights reserved.

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Introduction

Congratulations on your purchase of the Model 57i CT IP Phone! The 57i CT communicates over an IP network and offers a cordless extension, allowing you to place and receive calls in the same manner as a regular business telephone. The 57i CT is capable of supporting the SIP IP protocol.

Phone Features – 57i CT Base Unit

- 11 line graphical LCD screen (144 x 128 pixels) with white backlight
- 12 multi-functional softkeys
  - 6 as static keys
  - 6 as programmable keys (up to 20 programmable functions)
- 4 call appearance lines with LEDs
- Supports up to 9 call lines
- Full-duplex speakerphone for handsfree calls
- Headset support (modular connector)
- Built-in-two-port, 10/100 Ethernet switch - lets you share a connection with your computer.
- Inline power support (based on 802.3af standard) which eliminates power adapters.
- AC power adapter (included)
- Enhanced busy lamp fields*
- Set paging*

* Availability of feature dependant on your phone system or service provider.

Phone Features – 57i CT Cordless Handset

- 5 line backlit display screen
- 2 multi-functional softkeys
- Programmable function key supports up to 14 functions
- Vibration Alerter
- Headset Jack
- Desk charging stand

Requirements

The 57i CT IP Phone requires the following environment:

- SIP-based IP PBX system or network installed and running with a SIP account created for the 57i CT phone.
- Access to a Trivial File Transfer Protocol (TFTP), File Transfer Protocol (FTP), Hypertext Transfer Protocol (HTTP) server, or Hyper Text Transfer Protocol over Secure Sockets Layer (SSL) (HTTPS).
- 802.3af Ethernet/Fast Ethernet LAN
- Category 5/5e straight through cabling
- Power over Ethernet (PoE) inline power injector (optional accessory - necessary only if your network provides no inline power and if you do not use the IP Phone's power adapter).

About This Guide

This guide describes how to physically set up your 57i CT. It includes the Base Unit and Handset safety information. For regulatory information about the 57i CT phone, see the "Regulatory Compliance and Safety Information" sheet included in your package. Not all features listed are available by default and some may depend on your phone system or service provider. Contact your Network Administrator if you have any questions on the features and services available on your system.

This guide compliments the ***Aastra IP Phone 53i, 55i, 57i, 57i CT Administrator Guide*** and the ***Aastra Model 57i CT User Guide***.

Aastra IP Phone 53i, 55i, 57i, 57i CT Administrator Guide – is designed for network administrators, system administrators, developers and partners who need information on installing this product on an IP network.

Aastra Model 57i CT User Guide – explains the most commonly used phone and handset features for an end user.

These guides, along with the latest release notes and technical bulletins can be downloaded from our website at: www.aastratelecom.com\IPPhones.

Safety Information (57i CT and handset)

Prior to installing and using the 57i CT and handset, please read the following important safety information.

⚠ **Warning**: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

⚠ **Warning**: This equipment complies with FCC and IC RF radiation exposure limits set forth for an uncontrolled environment. This device must be operated such that; a minimum separation distance of at least 20cm is maintained between the radiator (antenna) & user's/nearby people's body at all times and it must not be co-located or operating in conjunction with any other antenna or transmitter.

Handset and Base Station

DO NOT:

- Use this handset near medical equipment such as pacemakers.
- Place the handset in areas subject to explosive hazards, flammable liquids or gases.
- Set up and use the handset close to devices that emit electromagnetic fields (i.e. electric motors, household appliances, fluorescent lamps, computers, radios, televisions, VCR's, DVD's etc.) Operation of the handset could be adversely affected if exposed to such fields and, at minimum, subject to interference and poorer quality voice communication.
- Locate the handset and base station near water, moisture, damp areas, heat sources, direct sunlight, areas with excessive dust, vibration or temperature extremes.
- Clean the handset using any chemical or commercial cleaner. Use only an anti-static or soft moistened cloth to clean the handset. Disconnect the charger stand prior to cleaning.

Note: Privacy of communications may not be ensured when using this phone. The base station transmitter, which is built in to the desk phone, must be installed to provide a separation distance of at least 20 cm from all persons.

Batteries

Please observe the following guidelines when dealing with the batteries:

- Never tamper with or dismantle the battery pack
- Avoid touching the battery contacts
- If necessary, clean the contacts with a damp cloth
- Protect the battery contacts from contact with any metal objects
- Never immerse batteries in water or throw them into a fire

When setting up the phone:

- Use only the rechargeable batteries supplied with this product
- Follow the battery installation instructions included with this guide

Note: That it takes two to three charging cycles for the batteries to reach their fully charged state.

- Charge the batteries using only the charger stand supplied with this product

In operation:

- It is normal for the batteries to become warm when charging.
- Discharge the batteries from time to time to prolong their service life. To do this, do not place the phone back into the charger stand until the batteries are completely or almost completely discharged. The battery icon on the display will indicate when the batteries are low and an alert tone is sounded every three minutes.
- Only use batteries and charging units approved by the manufacturer.

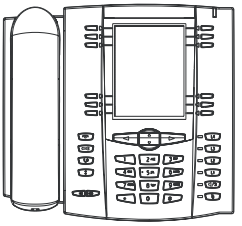
- If you do not intend to use the phone for an extended period, the batteries should be removed from the handset.
- Store batteries at room temperature. Above average temperatures tend to reduce the service life of batteries.
- Do not throw away or incinerate used batteries. Take them to an appropriate collection point for recycling or send them back to your supplier or distributor.

The batteries included with the 57i CT handset are designed to provide up to four hours talk time and ninety six hours standby time. Actual battery performance can be affected by a wide variety of environmental and user factors.

Phone Parts

When you unpack your phone, you should ensure that you have all of the following items. If any part is missing, contact the supplier of your phone.

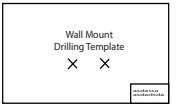
57i CT SIP IP Phone



Telephone Base

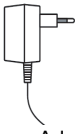
Handset

Handset Cord



Wall Mount Drilling Template

Power Adapter (for 57i CT Base)

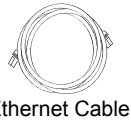


Power Adapter (for charging cradle)

Belt Clip

Battery

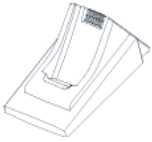
Screws and Anchors for Wall Mounting



Ethernet Cable

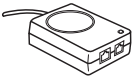
Telephone Base Desk Legs

57i CT Cordless Handset

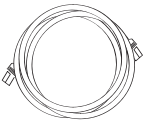


Charging Cradle for Handset

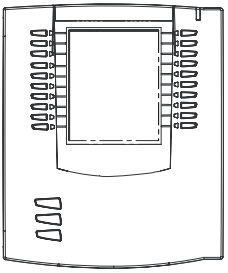
Optional Accessories for 57i CT (Not Included)



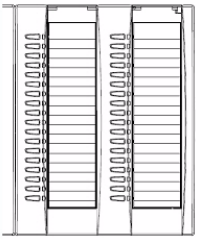
PoE (Power over Ethernet) Inline Power Injector



Additional Ethernet Cable (category 5/5e straight through cable)



Model 560EM Expansion Module



Model 536EM Expansion Module

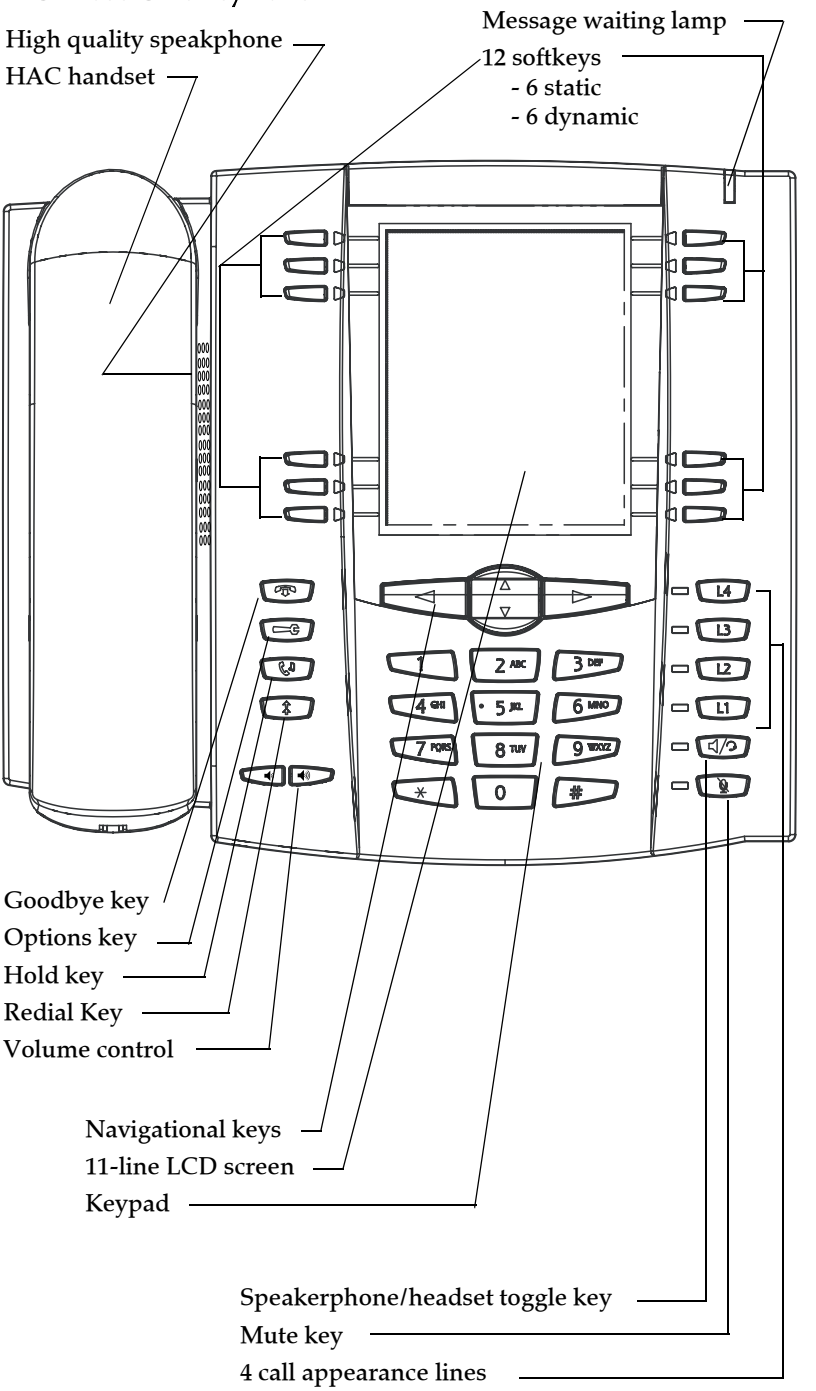
A PoE (Power over Ethernet) inline power injector supplies 48v power to the 57i CT through the Ethernet Cable on pins 4 & 5 and 7 & 8.

⚠ **Warning**: Do not use this PoE inline power injector to power other devices.

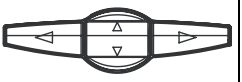
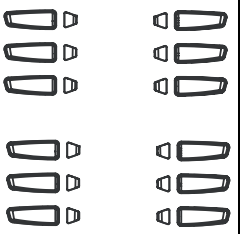
The Model 536 Expansion Module (536EM) and Model 560 Expansion Module (560EM) attach to the right side of the 57i CT phone. Model 536EM provides 36 additional softkeys for the phone. Model 560EM provides 60 additional softkeys. For more information about the expansion modules, see the section, Model 536 and 560 Expansion Modules (536EM, 560EM) on page page 32.

Key Panels and Descriptions

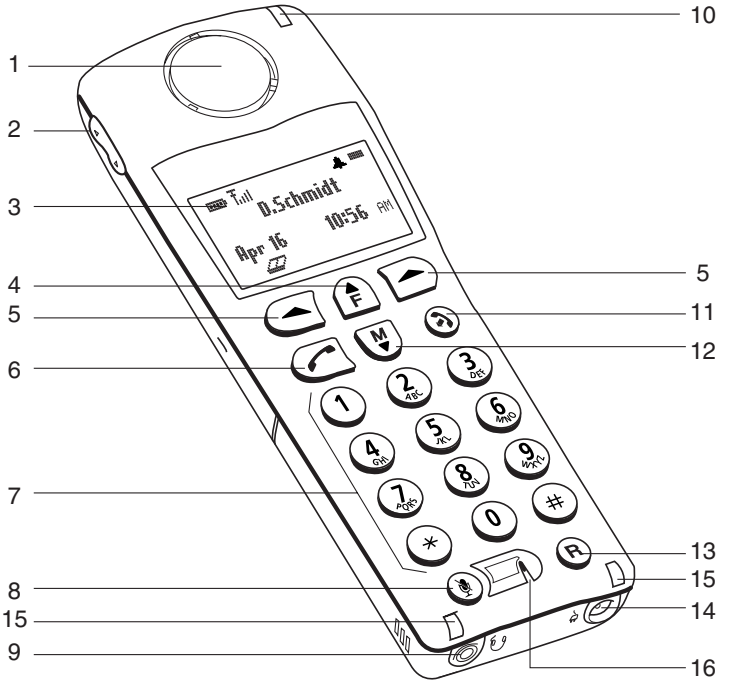
57i CT Base Unit Key Panel



Keys	Key Description
	Goodbye key - Ends an active call. The Goodbye key also exits an open list, such as the Options List, without saving changes.
	Options key - Accesses options to customize your phone. Your System Administrator may have already customized some of your settings. Check with your System Administrator before changing the administrator-only options.
	Hold key - Places an active call on hold. To retrieve a held call, press the call appearance button beside the light that is flashing.
	Redial key - Redials up to 100 previously dialed numbers. Pressing the Redial key twice simultaneously redials the last dialed number.
	Volume control key - Adjusts the volume for the handset, headset, ringer, and handsfree speaker. See "Adjusting the Volume" on page 28 for more information.
	Line/Call Appearance key - Connects you to a line or call. The Aastra 57i CT IP phone supports up to 4 line keys.
	Handsfree key - Activates Handsfree for making and receiving calls without lifting the handset. When the audio mode option is set, this key is used to switch between a headset and the handsfree speakerphone. See "Customizing your 57i CT Base Unit" on page 22 for more information.
	Mute key - Mutes the microphone so that your caller cannot hear you (the light indicator flashes when the microphone is on mute).

Keys	Key Description
	**Navigation keys** - Pressing the UP and DOWN arrow keys lets you view different status and text messages on the LCD display (if there is more than 1 line of status/text messages). These buttons also let you scroll through menu selections, such as the Options List. Pressing the LEFT and RIGHT arrow keys lets you view the different line/call appearances. While in the Options List, these keys allow you to exit or enter the current option. When you are editing entries on the display, pressing the LEFT arrow key erases the character on the left; pressing the RIGHT arrow key sets the option.
	**Softkeys** - 12 softkeys on the 57i IP Phone. - 6 Top Keys: programmable static softkeys (up to 10 programmable functions) - 6 Bottom Keys: programmable state-based softkeys (up to 20 programmable functions) These keys also perform as follows: • **Callers list key** - Accesses the last 200 calls received. • **Conference key** - Begins a conference call with the active call. • **Xfer Key** - Transfers the active call to another number. • **Directory Key** - Displays up to 200 names and phone numbers (stored in alphabetical order) **Note**: For more information about programming the softkeys to perform specific functions, see the ***Aastra Model 57i CT User Guide***.

57i CT Handset Key Panel



57i CT Handset Key Description

Function #	Function Description
1	**Receiver**
2	**Volume key** • During Ringing: Adjusts ringer volume • During a call: Adjusts receiver volume • During text mode (not in a call): Moves cursor right/left
3	**Display**
4	**Features *f* Key List** • Access key to the programmed Feature Key List • Scrolls up when in the various lists • Adds a space during editing
5	**Softkeys** • Activates feature or option shown on the display above the keys

Function #	Function Description
6	**Call key** • Used to obtain dial tone • Also used as a Hold key
7	**Dial Pad**
8	**Mute Key** • When used, prevents the caller from hearing you
9	**Headset Jack**
10	**Status Light**
11	**Release key** • To end calls and go on hook • Exits Menu and the various lists
12	**Menu Key** • Access key to the different Options • Scrolls down when in the various lists • Used as Backspace during editing
13	**Redial Key** • Displays the last 10 numbers dialed
14	**Charging Jack**
15	**Charging Contacts**
16	**Microphone**

Installation and Setup – 57i CT Base Unit

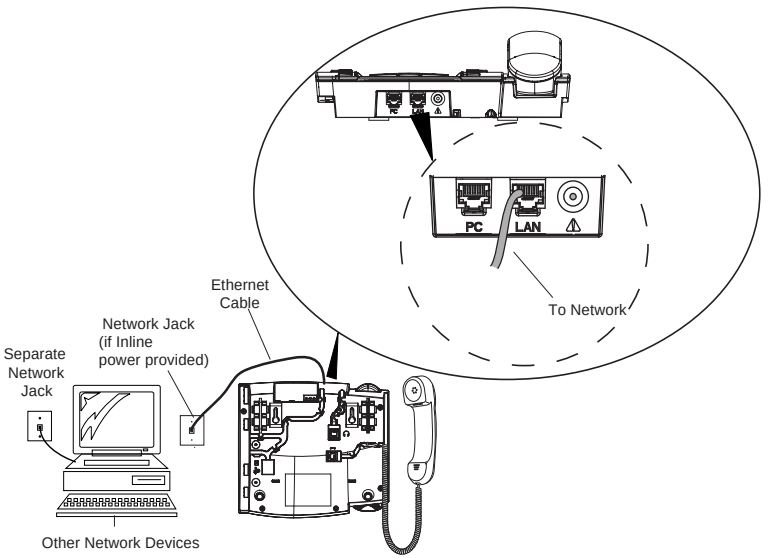
The 57i CT base unit can be setup to share a network connection with another network device. Power can be provided by an AC adapter, an 802.3af compliant network power source or with a PoE inline power injector (optional accessory). It can also be installed on a desk or mounted on the wall. If your Network Administrator has already setup your phone, please refer to the ***Aastra IP Phone 57i CT User Guide*** for call handling information or contact your Network Administrator.

Direct or Shared Network Connection

The phone can be set up as a direct network connection to the Ethernet wall jack or as a shared network connection as a pass-through if connecting a computer or another network device to the phone.

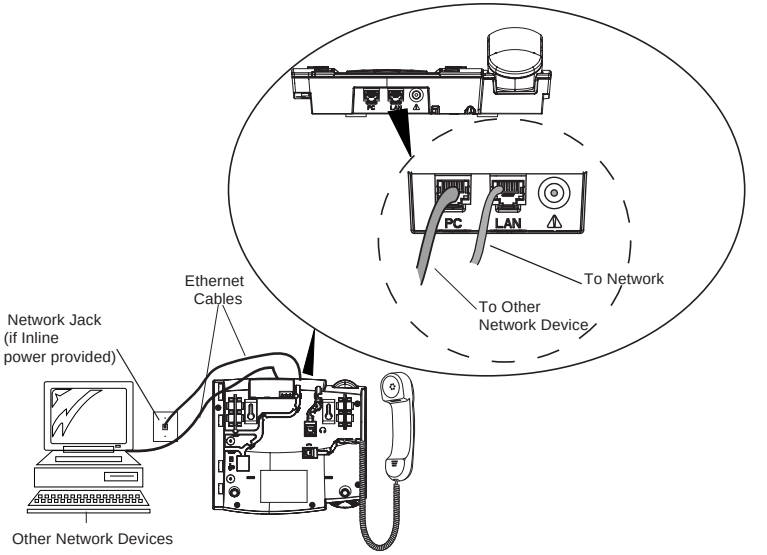
Direct Network Connection

Located at the top of the phone are two fully switched 10/100 Mbps Ethernet cable ports. The port marked with **LAN** is used to connect the phone to the network, as well as provide power to your phone (if required). See the section "Connecting to the Network and to Power" on page 15 for more information.



Shared Network Connection

To connect a network device (such as a computer) to the phone, connect an Ethernet cable into the network port on the top of the phone marked **PC**. Plug the other end of the Ethernet cable into the network port on the network device with which you are sharing the network connection.



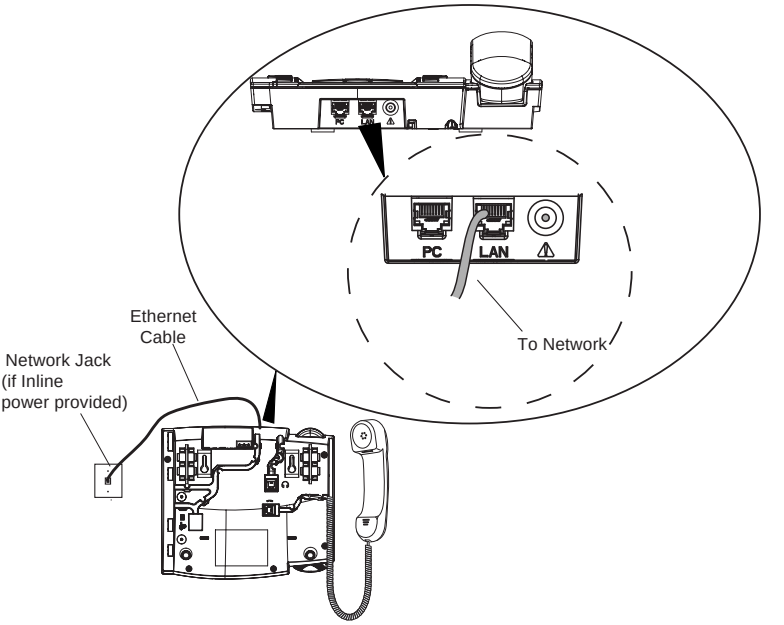
Note: The **PC** jack on the 57i CT does not supply inline power onto other network devices. All Ethernet cables used must be category 5/5e straight-through cables, such as the cable provided with your phone

Connecting to the Network and to Power

Inline Power Provided

If your network provides 802.3af compliant in-line power, the phone is powered through the network.

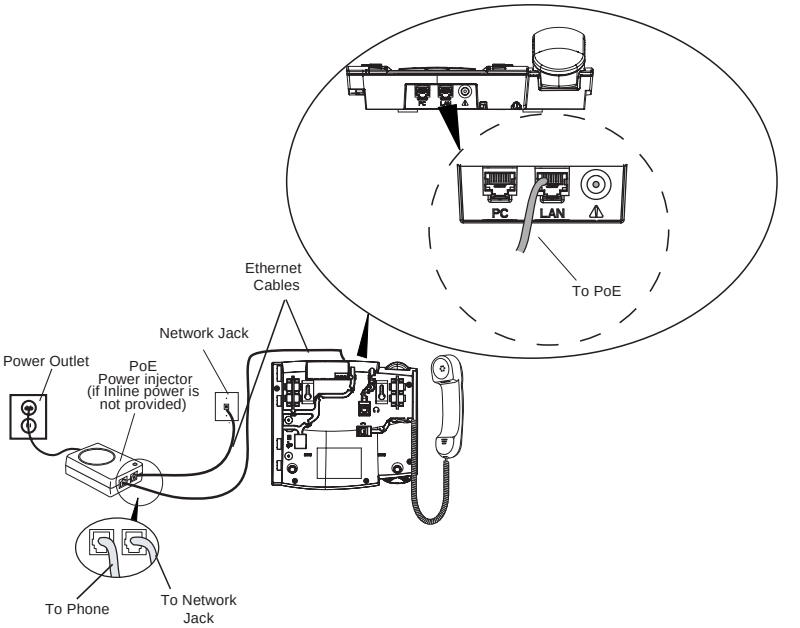
1. On the top of your phone, connect the Ethernet cable (provided with your phone) into the network port marked with **LAN**.
2. Plug the other end of the Ethernet cable directly into the network jack on the wall.



Inline Power Not Provided

If your network does not provide 802.3af compliant in-line power, you need to install the supplied AC adapter or the PoE inline power injector (optional accessory).

1. On the top of your phone, connect the Ethernet cable (provided with your phone) into the network port marked with **LAN**.
2. On the PoE power injector, plug the other end of the Ethernet cable into the network jack marked as indicated in the following illustration.
3. On the PoE power injector, connect an additional Ethernet cable into the network port as indicated in the following illustration..
4. Plug the other end of the Ethernet cable into the network jack on the wall.
5. Plug the PoE power injector into a power outlet.



Note: You should connect the power supply to a surge protector or power bar. All Ethernet cables used must be category 5/5e straight-through cables, such as the cable provided with your phone.