

ComSwitch[®] 8500-t

Operator's Guide



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(for U.S. and Canada)

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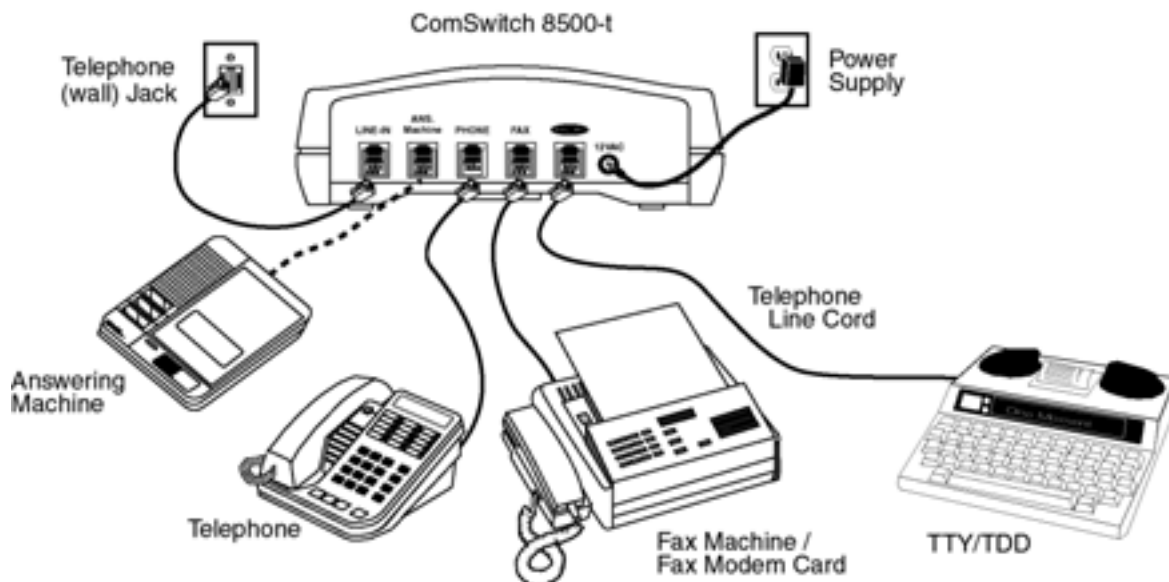
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Quick Install

1. Plug one end of the provided 2-wire modular line cord into the LINE-IN port on the CS8500-t.
2. Plug the other end of the modular line cord into the telephone (wall) jack.
3. Plug the small end of the AC power cord provided with the CS8500-t into the power input port labeled "12 VAC" on the CS8500-t.
4. Plug the adapter into a standard AC outlet.

The green LED flashes for approximately 5 seconds when power is applied and then remains illuminated, indicating its ON status.

1. To connect a TTY/TDD device, plug one end of a modular line cord into the TTY/TDD port on the CS8500-t. Plug the other end to the line port of the TTY/TDD.
2. To connect an answering machine, plug one end of a modular line cord into the ANS. MACHINE port on the CS8500-t. Plug the other end to the line port of the answering machine.
3. To connect a phone, plug one end of a modular line cord into the PHONE port on the CS8500-t.
4. To connect a fax machine, plug one end of a modular line cord into the FAX port on the CS8500-t. Plug the other end to the line port of the fax machine.



This guide is designed to introduce you to the various installation and operational procedures for using the ComSwitch® 8500-t. Please read through this guide and select the installation procedures appropriate for your specific application before attempting to connect or operate the CS8500-t.

Before You Begin

Important Notes: According to standard industry practice, surge protection is recommended for use with all electronic devices. A surge suppressor and/or line conditioning should be used on the input power supply, as well as the connected telephone line.

Call Waiting: TTY/TDD and fax machine transmissions could be disrupted by the Call Waiting beep tone.

Call Forwarding: If Call Forwarding is activated, the CS8500-t cannot process calls on that line. We recommend that you disconnect service for Call Forwarding.

Phone Company Voice Mail: This service is compatible with the CS8500-t if used in conjunction with the phone company's Distinctive Ring service (service activation required). See Voice Mail and Distinctive Ring setup (pages 15 - 16).

Please read through the rest of this guide to learn how to properly install and operate the CS8500-t.



Unpacking the CS8500-t

When you open the CS8500-t box for the first time, inspect the contents. In the box, you should find the following items:



If any of these items are missing or damaged, contact the dealer where you purchased the unit, or call Customer Service at the number listed on the back cover of this manual.

Introduction to the CS8500-t

Thank you for purchasing the CS8500-t. This product was designed for environments that have hearing-impaired and non hearing-impaired users sharing the same phone line that want to save money by avoiding multiple dedicated telephone line charges. The CS8500-t allows a TTY/TDD, fax, telephone and answering machine to share one single telephone line.

The CS8500-t quickly directs incoming telephone calls to one of three appropriate destinations, typically a TTY/TDD, facsimile machine or fax/modem, as well as a telephone and answering machine, or any other telephone device that responds to a standard ring signal.

Listed below are examples of various telephone activated devices that can be connected to the CS8500-t:

- ∞ Fax / Modem
- ∞ Computer Modem
- ∞ Facsimile
- ∞ Answering Machine
- ∞ Telephone
- ∞ Bulletin Board System (BBS)
- ∞ Credit Card Authorization Terminal
- ∞ Security alarm and monitoring system
- ∞ Point-of-sale terminal
- ∞ Call diverter
- ∞ Fluid storage system
- ∞ Energy management system
- ∞ Money order dispensing system
- ∞ Laser fax cartridge
- ∞ Remote diagnostic system
- ∞ Time and attendance system
- ∞ Flow monitoring system

Basic Operation

The CS8500-t is flexible and easy to use. When a call is received by the CS8500-t, the call is answered with a voice announcement for voice callers instructing them to hold while the call is being transferred.

After the CS 8500-t answers a call, it will give a voice announcement to the caller, "Please hold through the tones, your call is being transferred."

Next, the CS 8500-t will send the calling TTY a message that reads "TYPE GA TO CONNECT."

If the CS 8500-t does not detect a TTY tone from a calling TTY, the call will be transferred to the TAD and PHONE ports on the CS 8500-t.

If the caller types GA after the TTY message, the CS 8500-t will send the message "PLEASE WAIT" to the calling TTY and then transfers the call to the TTY port on the CS 8500-t.

The ring count to the TTY port is set to 25 rings.

Fax calls are detected by the CNG tone (CalliNG) and sent to the FAX port automatically. Non-CNG fax calls are sent to ANS. MACHINE and Phone ports.

The CS8500-t has over 30 programmable features that allow the user to customize its operation. In addition, the CS8500-t is compatible with:

1. Call Waiting
2. Distinctive Ring
3. Caller ID
4. Voice Mail (when used in conjunction with Distinctive Ring). See Voice Mail and Distinctive Ring setup

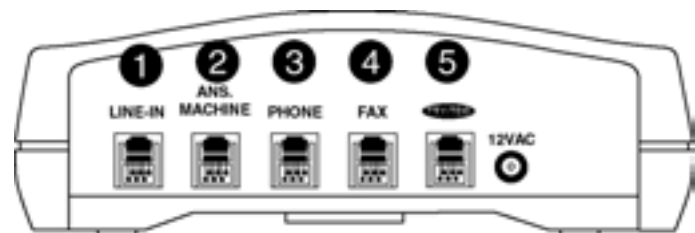
Installing the CS8500-t

The CS8500-t is a single line device that can be installed on any type of modular or non-modular system that consists of one or more lines, with one or more phones. A modular system consists of phone cords that can be connected and disconnected from a telephone device. A non-modular system consists of cables that are hard-wired to the telephone device and cannot be disconnected from the equipment. A telephone installer may be required to install the CS8500-t on a non-modular system.

NOTE: Many offices have a KSU or PBX phone system. The CS8500-t works with either of these systems. Simply follow the appropriate installation instructions provided in "Installation on a KSU/PBX Installation."

Ports on the CS8500-t

The rear panel of the CS8500-t includes five (5) modular ports and a power input port, as shown:



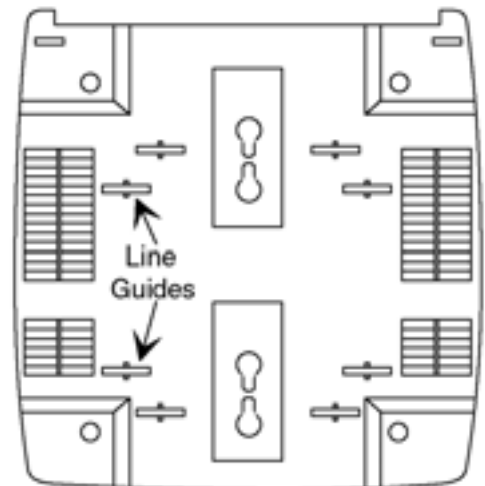
1. Connect the provided (2-wire) modular line cord from a standard telephone (wall) jack to this port.
2. Connect your single line telephone answering machine or integrated phone/answering machine to the ANS. MACHINE port. The CS8500-t will transfer all voice calls to the ANS. MACHINE and PHONE ports simultaneously.
3. Depending on the installation, a single line phone, an integrated phone/answering machine, multiple phones, or a telephone system (KSU or PBX) can be connected to this port. The CS8500-t will transfer all voice calls to the ANS. MACHINE and PHONE ports simultaneously.
4. Connect your fax machine to the FAX port.
5. Connect your TTY/TDD device to the TTY/TDD port to enable the CS8500-t to transfer a TTY/TDD call with the appropriate tones or transfer codes.

The CS8500-t can be placed on either a flat surface, or mounted on a wall with the connected telephone line cords above or below the unit. To mount on a wall, follow these steps:

Mark the positions for 2 mounting screws (not supplied) on the wall. The positions should be 3 1/4" apart (vertically). Drill the 2 holes, and then thread the screws into the wall. The screws should extend 3/16". Do not over tighten the screws.

Align the keyholes on the back of the CS8500-t with the 2 screws, then push in and press down to secure it to the wall.

You can place the telephone line cords through the line guides on the back of the CS8500-t to reduce tangling.



Connecting the CS8500-t

This section explains how to install the CS8500-t in most phone configurations that appear in a home or office. You can install the CS8500-t into one of the following phone configurations:

- ∞ 1 or 2-line telephones (see pages 6 - 9)
- ∞ KSU/PBX Installation (see pages 9, 10)

To perform the installation procedures, you may need the following equipment:

Extension cords--required if the connecting equipment is not located near the CS8500-t.

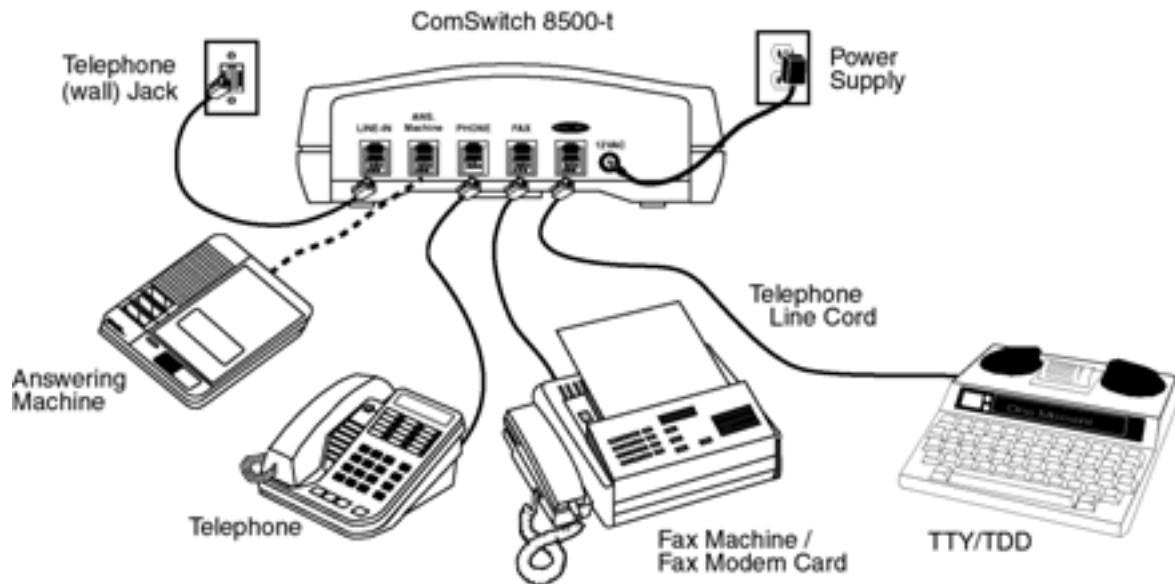
Additional telephone line cords -- typically supplied with equipment by the manufacturer.

NOTE: If the equipment manufacturer does not provide the required cables, you can purchase them at a consumer electronics store.

NOTE: Do not place the CS8500-t in close proximity to any peripheral equipment (approximately 2 to 3 feet away from all electronic equipment).

One Line/Single Telephone Installation

The following diagram shows a complete installation for a single line telephone connection. While the connections to the telephone (wall) jack may be different for other types of phone systems, the connections to the CS8500-t remain the same for all phone configurations.



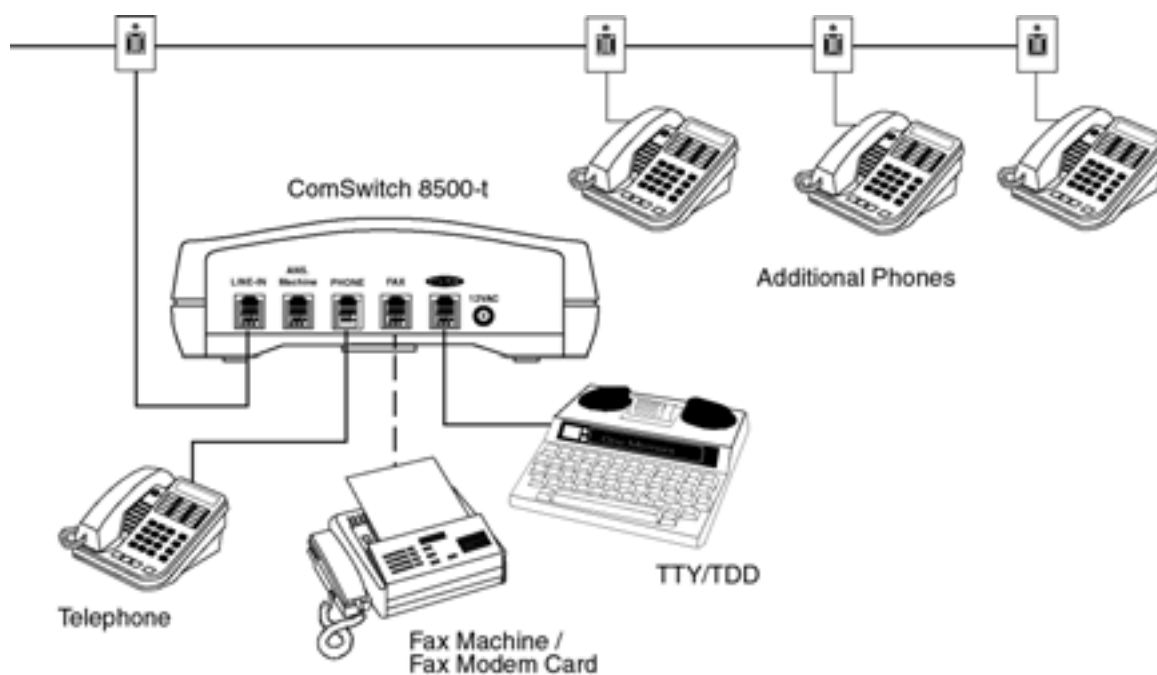
One Line/Multiple Telephone Extensions

Plug one end of the provided 2-wire modular line cord into the LINE-IN port on the CS8500-t. Plug the other end of the modular line cord into the telephone (wall) jack. Plug the small end of the AC power cord provided with the CS8500-t into the power input port labeled "12 VAC" on the CS8500-t. Plug the adapter into a standard AC outlet.

The green LED flashes for approximately 5 seconds when power is applied and then remains illuminated, indicating its ON status.

1. To connect a TTY/TDD device, plug one end of a modular line cord into the TTY/TDD port on the CS8500-t. Plug the other end to the line port of the TTY/TDD.
2. To connect an answering machine, plug one end of a modular line cord into the ANS. MACHINE port on the CS8500-t. Plug the other end to the line port of the answering machine.
3. To connect a phone, plug one end of a modular line cord into the PHONE port on the CS8500-t.
4. To connect a fax machine, plug one end of a modular line cord into the FAX port on the CS8500-t. Plug the other end to the line port of the fax machine.

NOTE: Set the TTY/TDD to answer on lowest rings possible or set for manual answer and answer when the TTY/TDD rings.



Caller ID

To connect a Caller ID device to the CS8500-t, simply plug the Caller ID into the PHONE port, and then plug your phone into the Caller ID.

The factory setting for Caller ID operation is OFF.

Turn Caller ID ON

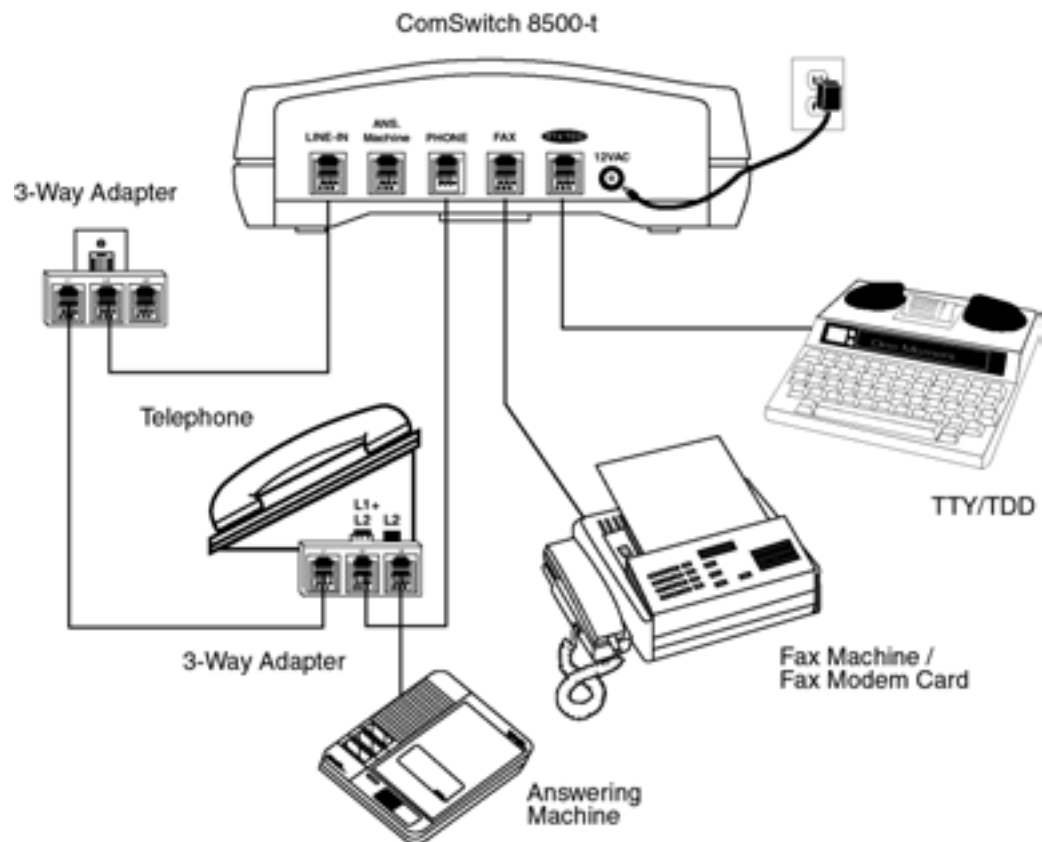
1. Plug a single line tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE port LED will light)
3. Unplug power, then plug back in
4. The FAX LED will light to indicate access to the programming mode
5. Press **1 1 6 *** (the TTY/TDD LED will flash three times acknowledging your changes)
6. Press **4 0 2 *** (the TTY/TDD LED will flash three times again acknowledging your changes)
7. After all changes have been entered, press ***** again to end programming mode; the FAX LED will turn off
8. Hang up the phone

Turn Caller ID OFF

1. Plug a single line tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light) Unplug power, then plug back in
3. The FAX port LED will light to indicate access in the programming mode
4. Press **0 1 6 *** (the TTY/TDD LED will flash three times acknowledging your changes)
5. Press **4 0 2 *** (the TTY/TDD LED will flash three times again acknowledging your changes)
6. After all changes have been entered, press ***** again to end programming mode; the FAX LED will turn off
7. Hang up the phone

NOTE: When Caller ID is active, two rings will pass through to the PHONE/ANS. MACHINE ports before the CS8500-t answers to process the call.

Connecting CS8500-t to line 2 of a 2-line phone (Using three-way adapters)

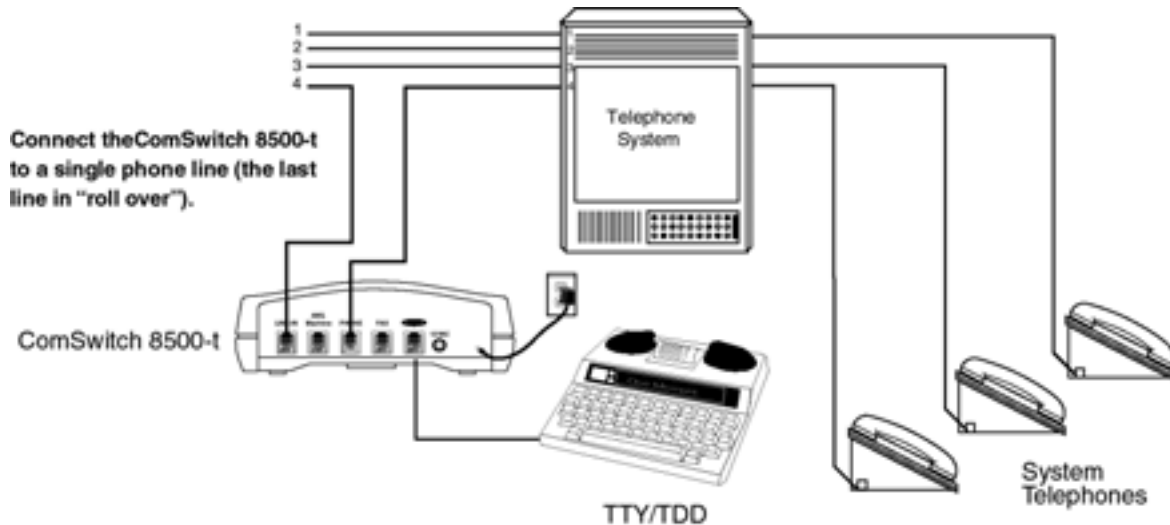


NOTE: If connecting to line 1 of a 2-line phone, reverse L1 and L2 phone cords on both three-way adapters.

KSU/PBX Installation

A telephone system is common in a medium or large office arrangement in which calls are coming in on 2 or more telephone lines and can be routed to any number of extensions. The system typically has features like call holding, music on hold, conference calling, and intercom paging.

The diagram shows telephone devices connected to the CS8500-t for a telephone system. Follow the same procedures if you have a mini-telephone system in your home or small office. For the CS8500-t to operate properly, it must be "in front" of the telephone system. In other words, it must connect directly to the incoming telephone line. Connect the other equipment as previously shown.



NOTE: All equipment on that line (KSU/PBX, TTY/TDD, FAX) must be connected directly to the CS8500-t.

CAUTION: You should be familiar with telephone wiring to complete this installation. If you have any questions or are not confident that you can complete this installation procedure, contact a professional installer. For further help, contact Customer Service at (TTY/TDD) 1-888-323-0714 or 303-873-7477, (VOICE) 1-800-288-6794, M-F 7-5 MST., or (FAX) 303-792-0855.

Do not plug the CS8500-t into a telephone system phone jack. You may damage your telephone system.

Using the CS8500-t

In this section, there are special operating notes you should read before operating the CS8500-t. The section following these Operating Notes provides an overview of the CS8500-t standard operations and instructions for answering and transferring your incoming calls.

Special Operating Notes

Before operating the CS8500-t, be sure that you understand the following information concerning the telephone equipment that is used with the CS8500-t.

FAX CNG Tone: Most faxes send an audible beep tone called CNG (CalliNG) tone. This tone is a distinct beep that repeats every three (3) seconds.



Once a fax has dialed the destination fax number, it generates this tone while waiting for the receiving fax to answer.

Not all faxes transmit this tone when they place a call. Most, but not all faxes produce this tone through their auto-dial feature, speed-dial memory position, or by the operator pressing the fax machine's start button after the number is dialed.



For best results, callers should have your fax number programmed into their fax machine's "speed-dial" memory.

Programming

Hearing-Impaired Instructions

1. Plug a single line tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug power back in
4. The FAX LED will light to indicate access to the programming mode
5. Enter the desired change(s), then press  (the TTY/TDD LED will flash three times acknowledging your changes). Enter additional changes (if desired)
6. Press  again to end programming mode; the FAX LED will turn off
7. Hang up the phone

Hearing User Instructions

1. Plug a single line tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset and you will hear dial tone
3. Unplug power, then plug power back in
4. You will hear three beeps to indicate access to the programming mode
5. Enter the desired change(s), then press  (you will hear three beeps acknowledging your changes)
6. Enter additional changes (if desired)
7. Press  again to end the programming mode; you will hear dial tone
8. Hang up the phone




Contact Customer Service at 1-800-288-6794 for additional programming options.




Operation

Single Line Operation

Placing an Outbound Call Using the CS8500-t

You can place an outbound call from the PHONE port, unless another port is in use. If another port is in use, you will hear a busy signal when you attempt to place a call. If the line is clear when the calling device goes off-hook, you will hear dial tone and can place the call normally. During an outbound call, you can also receive a transmission from someone that is ready to transmit.

To transfer this transmission to your FAX port, any time during a conversation, press    from a touch-tone phone.

To transfer this transmission to your TTY/TDD port, any time during a conversation, press    from a touch-tone phone.

Picking up an extension phone not connected to the ANS. MACHINE or PHONE port during a data or fax transmission may interrupt the call.

Answering Incoming Calls

When the CS8500-t answers a call and does not detect any signal, the call will be routed to the ANS. MACHINE or PHONE port.

NOTE: Extension phones not connected directly to the CS8500-t will ring only 1 time when the CS8500-t answers the call (2 times if Caller ID is turned ON).

You can answer incoming calls from an extension phone or from a phone device connected to the ANS. MACHINE or PHONE port. You can then conduct the call normally, for as long as you like.

1. If, after answering a call, you hear silence on the line, the call is likely coming from a fax that does not produce a CNG tone. Simply transfer the call to the FAX port by entering **# 1 1** from a touch-tone phone.
2. To transfer a manual fax call to the FAX port, press **# 1 1** from a touch-tone phone.
3. To transfer calls to the TTY/TDD port, press **# 2 2** from a touch-tone phone.

Answering Calls with an Answering Machine

If using an answering machine, the caller can leave a message and/or transfer their call to the FAX or TTY/TDD port.

We recommend that you use your answering machine announcement message to provide callers with instructions for transferring their calls. Following is a sample announcement message that you may wish to use:

"Hello, this is _____. If you wish to send a fax, press **# 1 1** on your touch-tone phone, or leave a message at the tone. If you wish to reach the TTY, please call from your TTY machine.

NOTE: Callers cannot transfer a call to the FAX port from a pulse dialing phone.

NOTE: FAX calls that do not produce a CNG tone will transfer to your answering machine. To allow the CS8500-t to transfer these calls to the FAX port, program the CS8500-t as follows.

Turn Answering Machine to FAX Transfer ON

1. Plug a single line touch-tone telephone into PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug back in
4. The FAX LED will light to indicate access to the programming mode
5. Press **1** **1** ***** (the TTY/TDD LED will flash three times acknowledging your changes).
Enter additional changes (if desired)
6. Press ***** again to end programming mode; the FAX LED will turn off
7. Hang up the phone

Turn Answering Machine to FAX Transfer OFF

1. Plug a single line touch-tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug back in
4. The FAX LED will light to indicate access to the programming mode
5. Press **0** **1** ***** (the TTY/TDD LED will flash three times acknowledging your changes).
Enter additional changes (if desired)
6. Press ***** again to end programming mode; the FAX port LED will turn off
7. Hang up the phone

With this feature turned ON, the CS8500-t will monitor the line for 30 seconds after the answering machine answers a call. If the answering machine disconnects during this time, the call will automatically transfer to the FAX. To accommodate these timing parameters, your outgoing message should be no less than 15 seconds, and no longer than 20 seconds in length. (Single cassette answering machines are not recommended for use with this feature due to timing limitations of these types of machines.)

To disable the CS8500-t and retrieve your answering machine messages, follow these steps:

1. Dial your phone number and when your answering machine answers, press ***** on your touch-tone phone. Follow the remote retrieval procedures for your answering machine.
2. After retrieving your messages, hang up. The CS8500-t resets for the next call.

Receiving a TTY/TDD call

There are 3 modes of TTY/TDD calls:

- 0 = No voice announcement/no TTY announcement
- 1 = 45 bps w/ voice announcement
- 2 = 50 bps w/ voice announcement
- 3 = 45 bps w/out voice announcement
- 4 = 50 bps w/out voice announcement

To change this feature do the following:

1. Pick up the telephone handset (the PHONE LED will light)
2. Unplug power, then plug back in
3. The FAX port LED will light to indicate access to the programming mode
4. Press **2** **3** then enter one of the modes from above, then press *****; the TTY/TDD LED will flash three times acknowledging your changes
5. Press ***** again to end programming mode; the FAX LED will turn off
6. Hang up the phone

Distinctive Ring Compatibility

When you add a second or third phone number to your single line, the CS8500-t works smoothly to process calls without access codes or transfer tones.

The phone company's Distinctive Ring is offered in most areas across the U.S. Phone companies offer this service under various names. Check with your local phone company for details.

NOTE: When using Distinctive Ring for the TTY/TDD device, set the TTY/TDD mode to 0 (see Receiving a TTY/TDD Call)

The CS8500-t will process the additional phone numbers (ring styles) as follows:

- standard ring - - - - PHONE and ANS. MACHINE ports
- two-burst ring - - - - FAX port
- three-burst ring - - - - TTY/TDD port

The factory setting for Distinctive Ring detection is OFF

Turn Distinctive Ring Detection ON

1. Plug a single line touch-tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug back in
4. The FAX LED will light to indicate access to the programming mode
5. Press **1 1 4 *** (the TTY/TDD port will flash three times acknowledging your changes)
6. Enter additional changes (if desired)
7. Press ***** again to end programming mode; the FAX LED will turn off
8. Hang up the phone

Turn Distinctive Ring Detection OFF

1. Plug a single line touch-tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug back in
4. The FAX LED will light to indicate you are in the programming mode
5. Press **0 1 4 *** (the TTY/TDD LED will flash three times acknowledging your changes)
6. Enter all other additional changes (if desired)
7. Press ***** again to end programming mode; the FAX LED will turn off
8. Hang up the phone

Contact Customer Service at 303-792-0870, toll-free 1-800-288-6794 or visit our Web site at www.commandcommunications.net for more information.

Voice Mail and Distinctive Ring

To automatically route your calls to your TTY/TDD or FAX, and allow Voice Mail and all extension phones to ring normally, program the CS8500-t as follows:

1. Plug a single line touch-tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug back in
4. The FAX light will illuminate to indicate access to the programming mode

Two-Burst Ring to TTY/TDD port

1. Plug a single line touch-tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug back in
4. The FAX LED will light to indicate you are in the programming mode
5. Press **1 1 4 *** (the TTY/TDD LED will flash three times acknowledging your changes)
6. Press **8 0 0 0 2 *** (the TTY/TDD LED will flash three times again)
7. Press ***** again to end programming mode; the FAX port LED will turn off
8. Hang up the phone

Two-Burst Ring to FAX Port and Three-Burst Ring to TTY/TDD Port

1. Plug a single line touch-tone telephone into the PHONE port of the CS8500-t
2. Pick up the telephone handset (the PHONE LED will light)
3. Unplug power, then plug back in
4. The FAX LED will light to indicate you are in the programming mode
5. Press **1 1 4 *** (the TTY/TDD port will flash three times acknowledging your changes)
6. Press **8 0 0 2 3 *** (the TTY/TDD LED will flash three times again)
7. Press ***** again to end programming mode; the FAX port LED will turn off
8. Hang up the phone

Troubleshooting

Why are fax calls being transferred to my telephone and/or answering machine?

See "Answering incoming calls" for transferring instructions.

Why can't I receive faxes when I'm away from the CS8500-t (when an answering machine is connected to the CS8500-t)?

Check the following settings and procedures:

Instruct callers to press to send a fax.

Set your fax to answer on the lowest number of rings.

Set your answering machine to answer on 2 - 4 rings.

The LED doesn't light on the CS8500-t, what should I do?

Check your power connection.

If power is connected properly, make sure that you are using a 12 volt AC power adapter.

Verify that the phone line is properly connected to the LINE IN port.

Two year Limited Warranty/Service Information

WARRANTOR: Command Communications, Inc.

ELEMENTS OF WARRANTY: Command Communications, Inc. warrants, for the duration of this warranty, the CS 8500-t (hereafter referred to as the "Product") to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty shall terminate and be of no further effect two years after the date of original purchase of the Product or at the time the Product is (A) damaged or not maintained as reasonable and necessary, (B) modified, (C) improperly installed, (D) repaired by someone other than the warrantor for defect or malfunction covered by this warranty, (E) used in a manner or purpose for which the Product was not intended, (F) damaged by an act of God (such as a lightning strike), or (G) sold by the original purchaser.

STATEMENT OF REMEDY: In the event the product does not conform to this warranty at any time that this warranty is in effect, the warrantor shall repair the defect, return it to you without charge for parts, service, or any other costs incurred by the warrantor or its representative in connection with the performance with this warranty. This warranty does not cover or provide for the reimbursement or payment of incidental or consequential damages. Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

SERVICE INFORMATION/PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY:

1. Pack the CS 8500-t in the original carton or equivalent.
2. Enclose a copy of the bill of sale or other documentation showing original purchase date.
3. Contact the dealer where you purchased the CS 8500-t, or call of the service center listed below to obtain a return material authorization number (RMA #).
4. Mail the above prepaid and insured to the warrantor at:

UNITED STATES
Command Communications, Inc.
7025 South Fulton Street, #120
Englewood, CO 80112
1-800-288-6794
(303) 792-0870 Fax (303) 792-0899

Command Communications, Inc. cannot be held responsible for any loss or damage in transit.

Customer Service: 1-800-288-6794
Customer Service E-mail: ccitech@commandcom.net
Web Site: www.commandcommunications.net

Please retain proof of purchases to establish date of original purchase. Your warranty starts with the date of original purchase.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have rights that vary from state to state. Though every effort has been made to ensure accuracy, these instructions may include technical or typographical errors. Content of these instructions may be changed from time to time due to product improvement. These changes will be incorporated in new editions of these instructions. We disclaim liability for any changes, errors, or omissions.

NOTE: Any unit returned without an RMA # clearly marked on the exterior package will be refused and returned at the sender's expense.

International return policy

Command Communications, Inc. does not guarantee that this product will be compatible with the telecommunications systems of all countries. Modifications may have been made to products in order to function in certain locations. Therefore, it is best to purchase our products in the country in which it will be used.

If this product is purchased outside the U.S. from an authorized Command Communications' dealer, it should be returned for repair at the location where it was purchased, as provisions have been established to handle warranty repair outside the U.S.

If you send the product directly to Command Communications for repair, you will be responsible to pay all freight, handling, and Custom charges (both ways).

Registration information

The CS 8500-t has been registered with the Federal Communications Commission (FCC). It meets FCC requirements and may be connected directly to your telephone line. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, this information must be provided to the telephone company. Use the REN to help determine the maximum number of devices you can connect to your telephone without eliminating their ability to ring when your number is called. In many areas, the sum of the RENs of all devices connected to one line should not exceed 5.0. To determine how many devices you can connect to your line, contact your local telephone company to find out the maximum REN for your area.

The CS 8500-t may not be connected to a party line or coin line telephone network. If the CS 8500-t does not function properly, disconnect the unit. Follow the instructions provided in the section "Two year limited warranty" to obtain the necessary repair service.

If the CS 8500-t causes harm to the network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, the telephone company will notify you as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in the telephone network. Should these changes affect the CS 8500-t, the telephone company must notify you, in writing, to enable you to maintain uninterrupted service.

If you need to order a modular jack from the telephone company, request either a USOCRJ11C or a USOCRJ13C.

FCC Rules Part 15--Computing Devices

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. 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.

CAUTION: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the CS 8500-t.



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