

SYLVANIA TELEPHONE WARRANTY

We appreciate your purchase of a SYLVANIA Telephone product. We take pride in the quality of our products and have manufactured your new Telephone unit to exacting quality standards. We feel confident that in normal use, it will provide you with satisfactory performance. However, should you experience difficulty, you are protected under the provisions of this warranty.

SYLVANIA Telephone products are warranted against manufacturing defects in materials and workmanship in normal use for the following period from the date of purchase by the original user, and is conditional upon the unit being installed and used as directed in the instruction manual.

PRODUCT	PARTS AND LABOUR
Cordless Telephone	1 Year
Corded Telephone	1 Year
Telephone Headset Communications	1 Year

SYLVANIA's obligation under this warranty shall be limited to the repair, including all necessary parts and the cost of the labour connected therewith, or at our option the exchange of any Telephone product which shows evidence of a manufacturing defect within the warranty period.

Replacement parts, furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warranty.

CUSTOMER OBLIGATIONS

This warranty applies to the product from the original date of purchase at retail. Therefore, the owner must provide a copy of the original, dated bill of sale. No warranty service will be performed without a bill of sale. Transportation to and from the service depot is the responsibility of the owner.

WARRANTY EXCLUSIONS

This warranty is extended to SYLVANIA Telephone products purchased and used in Canada. This warranty shall not apply to appearance or accessory items including but not limited to: antenna, cabinet, cabinet parts, knobs, batteries, connecting cables, cassette tapes, compact discs. This warranty shall, in addition, not apply to damages due to handling, transportation, unpacking, set-up, installation, customer adjustments that are covered in the instruction book, repair or replacement of parts supplied by other than the SYLVANIA authorized service depot, any malfunction or failure caused by or resulting from abnormal environmental conditions, improper unauthorized service, improper maintenance, modifications or repair by the consumer, abuse, misuse, neglect, accident, fire, flood, or other Acts of God, and incorrect line voltage.

This Telephone product is only warranted to the original retail purchaser. This warranty becomes void in the event of commercial or rental use. This warranty becomes void in the event serial numbers are altered, defaced or removed.

SYLVANIA reserves the right to make changes in design or to make additions to or improvements upon this product without incurring any obligation to install the same on products previously manufactured. The foregoing is in lieu of all other warranties expressed or implied and SYLVANIA neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sale or service of this product. In no event shall SYLVANIA or its SYLVANIA dealers be liable for special or consequential damage arising from the use of this product, or for any delay in the performance of this warranty due to cause beyond our control.

The purchaser may have other rights under existing provincial or federal laws, and where any terms of this warranty are prohibited by such laws, they are deemed null and void, but the remainder of the warranty shall remain in effect.

HOW TO OBTAIN SERVICE

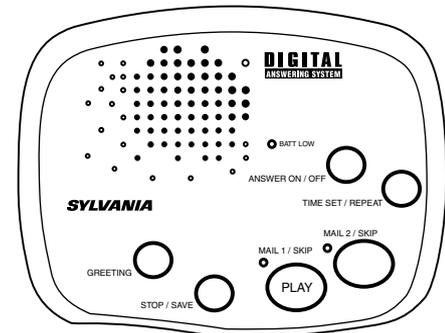
Should this product require service, you may obtain specific information on how to obtain service by contacting the SYLVANIA Dealer from whom this product was purchased, or by contacting us directly:

SYLVANIA SERVICE
300 Alden Road
Markham, Ontario
L3R 4C1
PHONE: (905) 940-5089
FAX: (905) 940-2303
1-800-287-4871

SYLVANIA

DIGITAL ANSWERING SYSTEM

Model:
ST88450



Instruction Manual

INDUSTRY CANADA STATEMENT

Notice: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method connection. In some cases, the company's inside wiring associated with a single line individual services may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user of this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution maybe particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE: The Ringer Equivalence Number (REN) for this terminal equipment is marked on the equipment itself. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

The term IC: before the radio certification number only signifies that Industrial Canada technical specifications are met.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference that may cause undesired operation of the device. Privacy of communications may not be endured when using this telephone.

IMPORTANT SAFETY INSTRUCTIONS

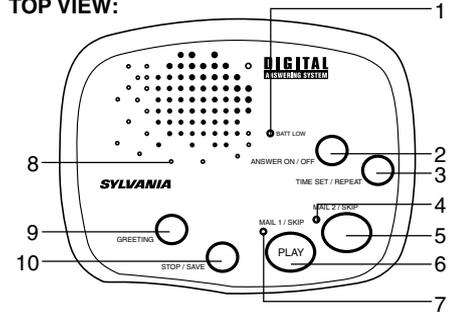
When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

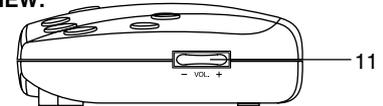
SAVE THESE INSTRUCTIONS

LOCATION OF CONTROLS

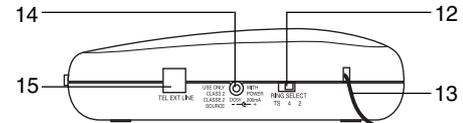
TOP VIEW:



SIDE VIEW:



REAR VIEW:



- | | |
|------------------------------------|------------------------------------|
| 1. Battery Low LED Indicator | 7. Mailbox 1 Message LED Indicator |
| 2. Answer On/Off Button | 8. Microphone |
| 3. Time Set / Repeat Button | 9. Greeting Button |
| 4. Mailbox 2 Message LED Indicator | 10. Stop / Save Button |
| 5. Mailbox 2 Play/Skip Button | 11. Digital Volume Control |
| 6. Mailbox 1 Play/Skip Button | 12. Ring Select 2/4/TS |
| | 13. Telephone Line |
| | 14. AC Adaptor Jack |
| | 15. Telephone Extension Line |

INSTALLATION

To Install Three AAA Batteries

Three AAA batteries (not included) are required to maintain your personalized greeting and recorded messages during a power failure. If there is a power failure and the batteries are not installed, both your personalized greeting and recorded messages will be lost.

1. Using a small Philips type screwdriver, remove the screw located in the battery compartment on the bottom of the base and lift the battery compartment door.
2. Install three AAA batteries.
3. Replace battery compartment door, and replace screw.

Note: Install replacement batteries once a year to insure proper operation of the power failure protection feature.

The batteries status are indicated by the BATT. LOW indicator. If three fresh batteries are installed, the LED indicator stays off.

If the batteries are low/not installed, the indicator will flash.

To Connect the AC Adaptor

Connect the AC adaptor into the back of the unit. Plug the other end into the AC wall power outlet.

To Connect the Telephone Line

1. Plug the telephone line cord (connected to the back of the unit) into the modular outlet in your telephone wall jack.
2. If you are connecting this unit to an extension telephone, plug one end of the extension telephone line cord to the extension line jack (located on back of unit). Plug the other end into the telephone.

RECORDING YOUR GREETING

There are approximately 15 minutes of total recording time shared by your greeting and incoming messages.

Your system comes with a prerecorded outgoing greeting: "Hello, please leave your message after the beep."

To Record Your Greeting

1. Press and hold the GREETING button.
Note: You have a maximum of 30 seconds to record your outgoing greeting.
2. After you hear one beep, speak clearly towards the built in microphone (in the speaker holes).
3. When finished, release the GREETING button.
4. The unit will beep once and play back your recorded greeting. The message LEDs will be lit solid to indicate the unit is in Answer On mode.

Notes:

- The unit has two personalized mailboxes. You have an option to have callers leave messages in either of the two mailboxes. If you want the caller to leave a message in a particular mailbox, your greeting should instruct the callers to press either the "1#" or "2#" button before their message recording. If the caller doesn't press a key, presses a key other than "1#" or "2#", or waits longer than 3 seconds before pressing a key, the caller's message will be automatically recorded in Mailbox 1.

- If the unit beeps while recording, you have exceeded the 30 seconds time limit. Record a shorter greeting, by repeating the steps above.

To Check the Greeting

1. To check the greeting, press and release the GREETING button quickly.
2. Your outgoing greeting will be played back to you, and then your system will reset to answer incoming calls.

Volume Control

Use the digital VOLUME Control on the side of your unit to set the volume to the desired sound level.

ANSWERING MACHINE FEATURES

Voice Time/Day Stamp

The unit records the time and day at the end of each message, if set.

Note: When setting the Time/Day, do not allow more than 20 seconds to elapse between any step.

Setting Voice Time/Day Stamp

Day Set

1. Press and hold the TIME SET/REPEAT button for 2 seconds. The unit will say "Monday".
2. Press the ANSWER ON/OFF button until you hear the correct day.
3. To return to the previous day, press the MAIL 1 or MAIL 2 button.

Hour Set

1. Once you hear the correct day, press the TIME SET/REPEAT button to set the hour. The unit will say "Twelve".
2. Press the ANSWER ON/OFF button until you hear the correct hour. To return to the previous hour, press the MAIL 1 or MAIL 2 button.

Minute Set

1. Once you hear the correct hour, press the TIME SET/REPEAT button to set the minute. The unit will say "0" (which sounds like "oh").
2. Press the ANSWER ON/OFF button until you hear the correct minute. To return to the previous minute, press the MAIL 1 or MAIL 2 button.

AM/PM Set

1. Once you hear the correct minute, press the TIME SET/REPEAT button to set AM/PM. The unit will say "AM".
2. Press the ANSWER ON/OFF button. The unit will say "PM". Press the MAIL 1 or MAIL 2 button to return to "AM".
3. Once you hear the correct AM/PM setting, press the TIME SET/REPEAT button to complete the procedure. The unit will announce the day and time that is now set.

Note: To check the current day and time, press and release the TIME SET/REPEAT button. If you did not set the Voice Time/Day Stamp, the unit will say "Time is not set".

Recording Memo Message

You can record a memo message, for another member of your household, in either of the two mailboxes (Mailbox 1 or Mailbox 2). It will be played back, along with other messages, in the corresponding mailbox.

To Record Memo

1. Press and hold the MAIL 1 or MAIL 2 button for 2 seconds. A beep will sound and all the message LEDs will turn off.
2. Record your message (up to 60 seconds) through the microphone in the speaker holes.
3. When your message is completed, release the button. A beep will sound, and the corresponding message LED will be increased by one.

Message Playback

When the message LED indicators blink, you have received new messages or there are saved messages. It will blink to indicate the number of messages received (up to 9 times).

To Hear Your Messages

1. Press and release the corresponding Mailbox button on your unit.
2. The unit will automatically playback your messages in the order they were received.
3. The set time and day will be heard at the end of each message, if you set the Voice Time/Day Stamp.
4. This unit will automatically stop and sound 3 beeps after the last message has played back. The message count will reset, and the message LEDs will be lit solid.
5. New incoming messages will replace old messages unless you follow the "SAVE" procedure.

To Stop Message Playback

During message playback, press and release the STOP/SAVE button. Your unit will reset and will save all messages.

To Repeat the Current Message

During playback, press and quickly release the TIME SET/REPEAT button ONCE.

To Repeat the Previous Message

During playback, press and quickly release TIME SET/REPEAT button TWICE within 2 seconds.

To Skip the Current Message

During playback, press and quickly release the respective SKIP button.

To Save All of Your Messages

Message will be erased unless you save them. If you wish to save your messages after listening to them:

After the last message has played back, and 3 beep sound, press and release the STOP/SAVE button. Both Mail 1 and Mail 2 LEDs will flash rapidly for 20 seconds.

Within this period, press MAIL 1 button to save Mailbox 1 messages or press MAIL 2 button to save Mailbox 2 messages.

To Save Selected Messages

If you wish to save a particular message (but not all of the messages), press the ANSWER ON/OFF button during play back of that message. After you press the ANSWER ON/OFF button to save a particular message, the corresponding MAIL 1 or MAIL 2 LED will blink rapidly during the remaining playback of that message.

Notes:

- You must follow the "SAVE" procedure each time you listen to your incoming messages and before the system answers a new incoming call or all messages will be lost.
- The maximum digital recording memory of your unit answering system is approximately 15 minutes.
- The maximum digital recording time for each incoming message is 60 seconds.

Message Capacity Full Detection

This unit signals the caller when the message capacity is full. When the message capacity is full, the unit will answer with 3 beeps on the 10th ring, pause 20 seconds, and then automatically disconnect the telephone line.

Voice Activated Recording (VOX)

This unit records messages for up to 60 seconds, as long as the caller speaks. To avoid unnecessary pauses due to hang-ups and to save message capacity, your unit will automatically stop recording after 7 seconds of silence.

To Turn Unit Off

If you do not want your system to answer calls, press the ANSWER ON/OFF button. All message indicators will turn off. Press the button once again to turn the unit on.

Call Interrupt

If the unit answers before you do, you can turn it off by picking up any extension phone. If the unit does not stop answering, press the hook switch of your telephone for about one second and release. You may also press the STOP/SAVE button.

Call Screening

To listen to an incoming call without picking up the phone, let your unit answer the phone when it rings. If you don't want to talk to the caller, just let your unit take a message, and adjust the volume control on the side of the unit to listen. If you don't want to listen to the caller's message, just lower the volume.

Note: Callers will be unaware that you are screening their calls. If you want to talk to the caller, pick up the phone and talk.

Power Failure Protection/Battery Back Up

If an AC power failure occurs, or the power plug comes out of the wall, your unit will shut down until the power is restored.

When the power is restored, any messages recorded before the power failure will be saved if you have installed three AAA batteries. The message indicator LED will flash to indicate the number of new messages received and saved messages.

If your unit is not operating properly when the power is restored, proceed with a unit reset.

To Reset Unit

1. Unplug the telephone line from the wall jack.
2. Unplug the AC adaptor from the power outlet.
3. Replace the AAA batteries with three fresh ones.
4. Plug the AC adaptor back into the power outlet.
5. Plug the telephone line back into the wall jack
6. Record a new outgoing greeting or you can use the pre-recorded announcement.
7. Reset the Voice Day/Time Stamp.

Ring Select

You can select the number of rings in which a call will be answered. Set the Ring Select switch (on the side of unit) to 2 or 4 rings, or Toll Saver (TS).

Toll Saver (TS)

Your unit has a built-in automatic toll saving feature. This feature lets you know if you have received any messages before it answers, thus saving you on long distance costs.

How Toll Saver Works

If you have set the ring select switch to Toll Saver (TS), when calling your unit from a remote location to check for messages, listen to the number of rings:

No Messages Received

If your phone rings more than two times, you have no new messages. You can hang up on the third ring before your unit answers, and save the cost of the call.

Note: If no new messages are received, your unit will answer the call after the fourth ring.

Messages Received

If your unit answers after only 2 rings, you have received new messages, which you can then retrieve by following the Remote Message Playback section, below.

TONE REMOTE OPERATION

Remote Security Code

To access answering functions from an outside line, you will need to enter the three digit security code located on the bottom of your unit.

Note: Remote message retrieval will not work when calling from a rotary or push button pulse dialing phone, unless a tone generator is used.

Remote Turn On

If you forget to turn on your unit:

1. Call your unit from a touch-tone phone.
2. Wait 10 rings until the machine answers.
3. The unit will automatically answer by playing your greeting. You may hang up the phone, and subsequent calls will be answered.

Remote Message Playback

1. Call your unit from a touch-tone telephone.
2. After the unit answers, it plays the outgoing greeting and beeps once. Dial your three digit security code within 7 seconds after the beep, pressing and holding each digit for 1-2 seconds. Allow a 2 second interval between each digit.
3. The unit will sound one beep to indicate the code was entered correctly. (If there are no beeps, enter your code again.)

4. You can press the following buttons on your keypad:

<u>Option</u>	<u>Press</u>
Playback Mailbox 1 Messages	1#
Playback Mailbox 2 Messages	2#
Record Memo Message	3#
Record New Greeting	8#
Turn On/Off Answer Mode	9#

If you press "1#" or "2#" (to playback messages), you have the follow options:

<u>Option</u>	<u>Press</u>
Erase Current Message	0#
Repeat Current Message	4#
Repeat Previous Message	4 repeatedly, #
Stop Message Playback	5#
Skip to Next Message	6#

To SAVE messages, hang up the telephone.

Note: Your unit will sound a series of beeps if there are no messages.

Remote Record New Greeting

If you press "8#" (to record new greeting):

1. When you hear a beep, begin recording your new greeting (up to 30 seconds).
2. When you have finished recording your new greeting, press "5#". The unit will beep, and the new greeting will playback to you.
3. Hang up the telephone.

Remote Record Memo

If you press "3#" (to record memo message):

1. Within three seconds of pressing "3#", press "1#" or "2#" to select Mailbox 1 or Mailbox 2. Otherwise, the memo will be recorded in Mailbox 1.
2. When you hear a beep, begin recording your memo (up to 60 seconds).
3. When you have finished recording your memo message, press "5#".
4. The corresponding Mailbox message count will be increased by one.

To Retrieve Messages when Recording Memory is Full

1. When the message capacity is full, the unit will sound 3 beeps after answering the phone.
2. Within 20 seconds after the 3 beeps, dial your 3 digit security code.
3. Your unit will sound one beep to indicate the code was entered correctly.
4. Follow the remote message playback procedure.