

OPERATION

Preparing for Use

1. Place the HEADSET on the BASE UNIT for 12 hours of charging.
2. After 12 hours, remove the HEADSET from the BASE UNIT.

Placing a Call

Using the HEADSET:

1. Press the [TALK] button on the HEADSET. The HEADSET IN USE indicator and the BASE UNIT IN USE/CHARGE indicator will light up. Or rotate downward the microphone arm to activate the auto hook-up system on the HEADSET.
2. Listen for a dial tone.
3. Dial the phone number.

Using the BASE UNIT:

1. Press the [SPEAKER] button on the BASE UNIT. The SPEAKER LED indicator will light up.
2. Listen for a dial tone.
3. Adjust the speaker volume on the BASE UNIT to a comfortable listening level.
4. Dial the phone number.

Receiving a Call

If the HEADSET is on the BASE UNIT:

1. Since the unit features "Auto-Answer", lift the HEADSET from the BASE UNIT charging cradle when the phone rings and begin your conversation.

If the HEADSET is off the BASE UNIT:

1. Press the [TALK] button on the HEADSET and begin your conversation. Or rotate downward the microphone arm to activate the auto hook-up system on the HEADSET.

Note: If the HEADSET ringer is OFF, the HEADSET will not ring when an incoming call is received. For normal use, set the HEADSET ringer to ON by pressing the RINGER ON button.

Using the BASE UNIT:

1. Press the [SP-PHONE] button and begin your conversation. Adjust the slide speaker volume on the base to your comfortable listening level.

Ending a Call

Using the HEADSET.

1. Since the unit features "Auto-Standby", return the HEADSET to the BASE UNIT OR press the [TALK] button OR just rotate the microphone arm backward to the vertical position up when you are away from the BASE UNIT.

Using the BASE UNIT.

1. Press the [SP-PHONE] button to hang up.

Last Number Redial

1. If you get a busy signal, use the Redial function to automatically dial the last phone number dialed (up to 32 digits).

Redial Using the HEADSET

1. Lift the HEADSET and press the [TALK] button/ OR Rotate downward the microphone arm.
2. Listen for a dial tone.
3. Press the Redial [RE/PA] button to automatically dial the last phone number you dialed using the HEADSET.

Redial Using the BASE UNIT

1. Press the [SP-PHONE] button.
2. Listen for a dial tone.
3. Press the [RE/PA] button to automatically dial the last phone you dialed using the BASE UNIT.

NOTE: The HEADSET and BASE UNIT Redial functions are independent from each other. Both the HEADSET and BASE UNIT will redial only telephone numbers stored in their own redial memory.

Flash Function

Used to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company. Consult your local phone company for more details.

Pause Function

In some cases, such as PABX, Voice Message Waiting service, or long distance service, a pause may be needed in the dialing sequence. Pressing the [RE/PA] button on the HEADSET or the [RE/PA] button on the BASE UNIT inserts a 4 second delay between dialed numbers. Pause(s) can be inserted into the programmed dialing sequence in memory dialing.

Mixed Mode Dialing (Temporary Tone Dialing)

If you have pulse (rotary dialing) service in your area and want to access Touch Tone services, set the [TONE/PULSE] switch to the PULSE position. Dial the desired number and when tone signals are required press the [TONE] button on the BASE UNIT or the Temporary Tone button on the HEADSET once. Subsequent digits will be dialed.

Channel Selection

Channel Scan (Autoscan)

If you are receiving a call or dialing out and [TALK] is pressed, the unit autoscans for the best channel available.

Channel Scan (Manual)

If the existing channel becomes noisy or starts having interference, press the [SCAN] button on the HEADSET. The unit will automatically scan for the best channel available.

NOTE: It takes about 2 seconds for the unit to scan to the next channel.

Intercom Function

Activating the Intercom using the BASE UNIT

1. Press the [INT] button on the BASE UNIT.
2. The BASE UNIT and the HEADSET will beep simultaneously.
3. Press the [INT] button on the headset and begin conversation.

Activating the Intercom using the HEADSET

1. Press the [INT] button on the HEADSET.
2. The BASE UNIT and the HEADSET will beep simultaneously to indicate that the Intercom function is activated.
3. The BASE UNIT user can respond by pressing the [INT] button on the BASE UNIT and begin conversation with the caller from the HEADSET.

To End the Intercom Mode

1. Press the [INT] button on the HEADSET or the [INT] button on the BASE UNIT to end the conversation.

Transferring Calls

This feature allows you to transfer a call from the HEADSET to the BASE UNIT, or vice-versa.

Transferring Calls (HEADSET to BASE UNIT)

1. During a phone conversation through the HEADSET, press the [INT] button on the HEADSET, and the BASE UNIT will beep.
2. The BASE UNIT user must press the [INT] button to answer. An intercom link between the HEADSET and BASE UNIT is established and the call is placed on hold. Both the HEADSET and BASE UNIT IN USE LED indicator will be flashing. The BASE UNIT SPEAKER LED indicator will flash.
3. If the BASE UNIT user does not want to access the telephone call while in the intercom mode, press the [INT] button on the BASE UNIT to return the phone call to the HEADSET user or the HEADSET user can press the [TALK] button to return to the call.

4. If the BASE UNIT user wants to access the telephone call while in the intercom mode, press the [SP-PHONE] button. A three-way conversation is established.
5. If the HEADSET user does not want to share in the conversation between the BASE UNIT user and the third party, press the [TALK] button on the HEADSET. The HEADSET will be disconnected.

Transferring Calls (BASE UNIT to HEADSET)

1. During a phone conversation through the BASE UNIT in the Speaker phone mode while the HEADSET is on the cradle, picking up the HEADSET transfers the call from the BASE UNIT to the HEADSET.
2. If the HEADSET is off the BASE UNIT cradle, press the [INT] button on the BASE UNIT. The HEADSET will beep.
3. The HEADSET user must press the HEADSET [INT] button, and the call will be automatically placed on hold. An intercom connection between the HEADSET and the BASE UNIT is then established, as indicated by the blinking of the SPEAKER LED indicator on the BASE UNIT.
4. If the HEADSET user does not want to access the telephone call while in the intercom mode, press the [INT] button on the HEADSET to release the telephone call to the BASE UNIT user or the BASE UNIT user can press the [SP-PHONE] button on the BASE UNIT to return the call.
5. If the HEADSET user wants to access the telephone call while in the intercom mode, press the [TALK] button, a three-way conversation will be established.
6. If the BASE UNIT user does not want to share in the conversation between the HEADSET user and the third party, press the [SP-PHONE] button on the BASE UNIT. The BASE UNIT will be disconnected.

Memory Dialing

1. You can store and recall up to 10 phone numbers (up to 16 digits each) in the HEADSET and 10 different phone numbers in the BASE UNIT.

NOTE: Both the HEADSET and BASE UNIT have memory locations separate from each other. You can use the HEADSET to recall phone numbers you have stored using the HEADSET, and you can use the BASE UNIT to recall phone numbers you have stored using the BASE UNIT.

Storing Telephone Numbers into the HEADSET or BASE UNIT Memory

1. Press the memory [MEMO] button on either the HEADSET or BASE UNIT.
2. Dial the telephone number you want to store (maximum of 16 digits) on either the HEADSET or BASE UNIT keypad.
3. Press the [MEMO] button again.
4. Press a memory location where you want to store the phone number, (0 to 9) for the HEADSET and (0 to 9) for the BASE UNIT. You will hear one confirmation beep.
5. Repeat steps 1 through 4 to store additional telephone numbers.

EXAMPLE: To store the number 611-4834 under the index number 1 on the keypad:

- 1. Press the [MEMO] button.
- 2. Dial 611-4834.
- 3. Press the [MEMO] button again.
- 4. Press 1 on the keypad.
- 5. You have stored 611-4834 under key 1 on the keypad.

Recalling Stored Numbers from Memory

If the HEADSET is used to recall a phone number

- 1. Press the [TALK] button.
- 2. Press the [MEMO] button.
- 3. Press the index number for the number you have stored.
- 4. The stored number will be dialed automatically.

If the BASE UNIT is used to recall a phone number:

- 1. Press the [SPEAKER] button on the BASE UNIT.
- 2. Press the [MEMO] button on the BASE UNIT.
- 3. Press the index number for the number you have stored.
- 4. The stored number will be dialed automatically.

Computer Telephony Application

- 1. Make connection between the microphone and speaker jack of the BASE UNIT and the respective jacks of sound cards of computer by audio cables supplied by TT SYSTEMS LLC.
- 2. Press the "COMPUTER" button on the HEADSET to activate both the HEADSET and BASE UNIT from telephone mode into computer mode. The HEADSET and BASE UNIT LED will both blink.
- 3. The HEADSET and BASE UNIT can be both used as a device for voice/music input and output from a computer and for real time INTERNET PHONE connection.
- 4. Press the "COMPUTER" button, or put the HEADSET back to the charge cradle of the BASE UNIT, to end the Computer Telephony application.
- 5. When the Computer Telephony Application is finished, both the HEADSET and the BASE UNIT will automatically return to the normal telephone mode.

Security System

Your cordless telephone uses a digital security coding system to prevent unauthorized use of your telephone line by another nearby cordless telephone. The system has its own identifying signal created by microprocessors in both the BASE UNIT and HEADSET.

Security Code

This telephone has an internal security code with 65,536 possible combinations. Each time you pick up the HEADSET, the code is randomly set to a new combination.

Resetting Security Code and Channel Information

Communication between HEADSET and BASE UNIT may not be possible in any of the following situations:

1. After a power failure.
2. After relocating the BASE UNIT by disconnecting the AC ADAPTER.
3. After replacing the HEADSET battery pack.
4. The HEADSET goes out of range from the BASE UNIT.

NOTE: To reset, place the HEADSET on the BASE UNIT for 5 seconds. You will hear a beep when the security code is reset.

Multi-Channel Access

Your cordless telephone lets you select a channel from the 40 frequencies available to transmit signals between the BASE UNIT and HEADSET. When you notice interference from another cordless telephone, change to another channel by pressing the [SCAN] button on the HEADSET.

Out of Range Detection

The unit is equipped with an Out of Range detection system. If you go too far away from the BASE UNIT during a call the HEADSET may lose its link with the BASE UNIT. When this happens, the HEADSET will beep twice every two seconds. If you hear this warning signal, you should come closer to the BASE UNIT.

If the warning signal continues for more than 15 seconds, the BASE UNIT will return to RING ON mode and the HEADSET will sound a series of short beeps until the [TALK] button is pressed. This will return the HEADSET to RING ON mode. If the unit returns to RING ON mode after the warning signal has finished beeping for 15 seconds, return the HEADSET to the cradle on the BASE UNIT for 5 seconds to reset.

CARE AND MAINTENANCE

Your cordless headset telephone has been designed to give years of trouble free electromechanical service. To assure it's longevity, please read the following maintenance instructions.

1. Keep your telephone away from heat as high temperatures can shorten the life of the electrical components and distort or melt it's plastic parts.
2. Keep your telephone free of dust and moisture. If it gets wet, wipe it dry immediately. Liquids can contain minerals that can corrode electronic circuits.
3. Handle your telephone gently and carefully. Dropping it can cause serious damage to circuitry, or the plastic case, which may cause it to malfunction.
4. Do not use any type of chemical or any abrasive powder to clean the cabinet. Use only mild detergents on a soft, damp cloth to clean your telephone.
5. Your cordless telephone has built-in surge protection circuits that meet or exceed FCC requirements. However, an incident such as a lightning strike at or near the telephone lines, could cause serious damage.
6. If your cordless telephone is installed in an area with frequent or severe electrical storms, it is suggested that the telephone be disconnected during these storms or that additional surge suppression equipment be added to the installation.
7. In case of trouble with the telephone, do not attempt to repair the telephone yourself. Report the need for service to our Service Department. They will make the necessary arrangements for repair or replacement.
8. If you should have any questions about the operation of your IBM-3330 cordless telephone, please call our Service Department at 1-800-955-1009, between the hours of 6:00 A.M. and 5:00 P.M. Pacific time. Or you may contact TT Systems for technical assistance via our internet Website: <http://www.tech@ttsystems.com>.

RECHARGING THE BATTERY PACK

Battery Type

Use the following type and size battery pack:

3.6V, 600mAh

Ni-MH Battery Pack: GPI GP60AAAH3BML



Recharging the Battery Pack

The nickel metal hydride (Ni-MH) battery pack in the HEADSET can be recharged many times using the built-in charger in the BASEUNIT.

When the battery pack is low, a "beep" sound will be heard every 12 seconds and the IN USE/BATT LOW LED indicator will blink rapidly. This indicates that recharging the battery pack will be necessary.

Charge the battery pack at least once every 90 days of nonuse to avoid battery pack failure. When the battery pack can no longer be charged, replacement of the battery pack will be necessary.

The battery pack used in your telephone may develop a condition known as "MEMORY". Once subjected to a regular short discharging routine, the battery pack assumes the discharging pattern it was subjected to. This is known as a "MEMORY" condition which causes rapid discharging thereby shortening the battery pack charge span. If you believe your battery pack has developed a memory condition, do not charge the HEADSET until the IN USE/BATTERY LOW LED indicator comes on. When it does come on, charge the HEADSET fully for 12 hours.

Changing the Battery Pack

The battery pack provides power for the HEADSET of your cordless telephone.

To Replace the Battery Pack:

1. Remove the HEADSET battery compartment cover by pressing the release latch and lift the cover up.
2. Pull out the battery connector and remove the battery pack.
3. Plug the new battery pack into the battery connector.
4. Slide the HEADSET battery compartment cover firmly into place until it clicks into the closed position.
5. Before use, charge the new battery pack for 12 hours.

ATTENTION:

The product that you have purchased contains a rechargeable battery pack. The battery pack can be recycled at the end of its useful life. Under various state and local laws, it may be illegal to dispose of this battery pack into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

TROUBLE SHOOTING

Problem Solving Section

For your assistance, we have listed below a few common problems.

Phone does not work, check the following:

1. BASE UNIT is plugged into power source.
2. HEADSET is charged.
3. TONE/PULSE SWITCH is in the right position.
4. LINE CORD is plugged in the jack.

Range of phone limited, check the following:

1. ANTENNA on BASE UNIT is raised or repositioned.
2. BASE UNIT is centrally located in your residence.
3. BASE UNIT is not located near appliances.

No dial tone, check the following:

1. Telephone plug is connected to the telephone line.
2. If you had a power failure or had unplugged the BASE UNIT, place the HEADSET on the BASE UNIT for 2 to 5 seconds to reset the system.

Received signal flutters or fades, check the following:

1. Battery pack in HEADSET is fully charged.
2. HEADSET is not too far from the BASE UNIT.
3. ANTENNA on BASE UNIT is fully raised or repositioned.

Interference on reception, check the following:

1. Noise may be picked up from electrical products at home or electrical storms. Generally, this noise is a minor annoyance and should not be interpreted as a defect in your system.
2. Choose an alternate channel using the [SCAN] button on the HEADSET.

Excess static, check the following:

1. Check to see that the ANTENNA is not touching another metal object. Reposition the ANTENNA.

If after pressing the [TALK] button, you receive three beeps and no dial tone, check the following:

1. Reset the HEADSET by placing it on the BASE UNIT for 2 to 5 seconds.

NOTE: If no telephones in the house are working, disconnect one set at a time to verify that none of the phones are causing the problem. If you still have a problem after doing this and your telephone still does not work, please contact your local phone company.

FCC REQUIREMENTS

EQUIPMENT NOTES

This equipment is registered with the Federal Communications Commission and is in compliance with Part 68 of the FCC Rules and Regulations. On the bottom of this equipment is a label indicating among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. Upon request, you must provide this information to your telephone company. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN'S of all devices connected to one line should not exceed five(5).

- The IBM-3330 telephone cannot be used on coin service pay telephones.
- The IBM-3330 telephone cannot be connected to party lines.
- The IBM-3330 telephone is Hearing Aid Compatible.

If you experience trouble with this telephone equipment, disconnect it from the telephone network until the problem has been corrected. The telephone company may discontinue service if your telephone equipment causes harm to the telephone network. In this case, the telephone company will:

- Notify the customer that service is being discontinued.
- Provide the customer with the opportunity to correct the situation.
- Inform the customer of their right to file a complaint with the FCC.

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

Some cordless telephones operate at frequencies that may cause interference to nearby TV's and VCR's. To minimize or prevent such interference, the base of the cordless telephone should not be placed on or near a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

INTERFERENCE INFORMATION

This equipment generates and uses and can radiate low level radio frequency energy. It has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. If this equipment does cause 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 the radio or TV receiving antenna.
- Relocate this device with respect to the receiver.
- Move this device away from the receiver.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet, prepared by the Federal Communications Commission, helpful. This booklet is available from the U.S. Government Printing Office. There may be a charge for this booklet.

"How to Identify and Resolve Radio-TV Interference Problems"
U.S. Government Printing Office
Washington, D.C. 20402
Stock Number, 004-000-00345-4

LIMITED WARRANTY STATEMENT

Statement of limited warranty: TT Systems LLC warrants that for a period of one year from the date of purchase that this product 1) is free from defects in materials and workmanship and 2) conforms to its specifications. If this product does not function as warranted during the warranty period, TT Systems LLC, at its option, will either replace this product with one that is functionally equivalent or will refund your purchase price. These are your exclusive remedies under this warranty. Please call 1-800-955-1009 for warranty service.

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TT Systems warrants that the IBM-3330 sold by TT Systems LLC within the continental limits of the United States, Hawaii and Alaska, are free from defects in materials and workmanship under normal use and service for 1 year. This warranty is applicable only to the original purchaser of the IBM-3330, when accompanied by a sales receipt stating the date of purchase and name of the company from which purchased. This warranty is in lieu of and excludes all other warranties, expressed or implied, including any implied warranty of merchantability or fitness, and of any other obligation on the part of TT Systems.

If the IBM-3330 shall prove to be defective, then TT Systems LLC shall either replace, repair or refund the purchase price of the IBM-3330 at its discretion as follows: At no cost to the original purchaser except shipping charges, within 90 days of the date of purchase. From 91 days to 365 days, you may return the IBM-3330 to TT Systems LLC at the following address: TT Systems LLC, 7 Odell Plaza, Yonkers, New York 10701.

Shipping charges are at the customer's expense. Please include a copy of your sales receipt and a check or money order made out to TT Systems LLC for the amount of \$14.50 to cover shipping and handling.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. There is no informal dispute settlement mechanism available.

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TT Systems reserves the right to make changes in the design of the IBM-3330 and to make additions or improvements to the IBM-3330 without incurring any obligation to modify any IBM-3330 previously sold.

To order a replacement battery pack or a computer cable for the IBM-3330 cordless headset telephone, please mail this order form to the IBM licensee for this product.

TT SYSTEMS LLC
7 Odell Plaza
Yonkers, NY 10701

_____ Battery Packs @ \$15.95

_____ Computer Microphone + Speaker
Cable @ \$15.95

Please enclose a check or money order made out to **TT SYSTEMS LLC** for the respective amount. Shipping and handling is included in the price.

Please ship order to :

Name:

Company:

Address:

City, State, and Zip:

(This is your mailing label)

From:

TT SYSTEMS CORPORATION
7 Odell Plaza
Yonkers, NY 10701

To:

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