



MODEL: IBM-3920

**2.4GHz DSST CALL WAITING
CALLER ID WIRELESS TELEPHONE**

INSTALLATION AND OPERATING GUIDE

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IMPORTANT SAFETY INSTRUCTIONS



This symbol is to alert you to important operating or servicing instructions that may appear in the user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire or electrical shock.

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

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Use only with class 2 power source DC 9V 300mA (base) and class 2 power source DC 9V 100mA (charging cradle).
4. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water; for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
6. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
7. Slots and openings in the cabinet back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in an enclosed environment unless proper ventilation is provided.
8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by animals or persons walking on it.
9. Do not overload wall outlets and extension cords as this can result in risk of fire or electrical shock.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electrical shock, do not disassemble this product. Instead take it to a qualified service person when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electrical shock when the appliance is subsequently used.
12. Unplug all cords and refer servicing to qualified service personnel under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls covered in the operating instructions. Improper adjustment of other controls may result in damage and require work by a qualified technician to restore the product to normal operation.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use a telephone to report a gas leak in the vicinity of the leak.

IF YOUR PRODUCT UTILIZES BATTERIES, THE FOLLOWING ADDITIONAL PRECAUTIONS SHOULD BE OBSERVED:

1. Use only the type and size of batteries specified in the users manual.
2. Do not dispose of the batteries in a fire. The cells may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.
5. Do not attempt to recharge the batteries provided with or identified for use with this product. The batteries may leak corrosive electrolyte or explode.
6. Do not attempt to rejuvenate the batteries provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may occur, causing burns or irritation to eyes or skin.
7. When replacing batteries, all batteries should be replaced at the same time. Mixing fresh and discharged batteries could increase internal cell pressure and rupture the discharged batteries.
8. When inserting the batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging, which may result in leakage or explosion.
9. Remove the batteries from this product if the product will not be used for a long period of time (several months or more) since during this time the batteries could leak, damaging the product.
10. Discard "dead" batteries as soon as possible since they are more likely to leak in a product.
11. Do not store this product, or the batteries provided with or identified for use with this product, in high temperature areas.
12. If your product uses a rechargeable battery, charge the battery(ies) only in accordance with the instructions and limitations specified in the User's Manual.

SAVE THESE INSTRUCTIONS

FCC REGULATIONS

Modifying or tampering with the telephone's internal components can cause a malfunction and might invalidate the telephone's warranty and void your FCC authorization to operate it. If the trouble is harming the telephone lines, the telephone company might ask you to disconnect the telephone until you have resolved the problem.

As it complies with Part 68 of the FCC rules, your unit has been registered with the FCC. The FCC requires us to provide you with the following information:

1. Connection and use with the nationwide telephone network:
The FCC requires that you connect to a nationwide telephone network through a modular telephone outlet which is Part 68 compliant. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. Check with your local telephone company.
2. Notification to the telephone company:
FCC rules require that upon request you provide the following information to the phone company:
 - A. The line (telephone number) to which you will connect the telephone equipment, and
 - B. The FCC Registration Number and Ringer Equivalence Number (REN). These numbers are found on the back or bottom of your telephone equipment. 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 all RENs should be five or less. To determine the number of devices permitted in your area, contact your local telephone company.
3. Repair instructions:
If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and be unplugged from the modular outlet until the problem has been corrected. Repairs to this telephone equipment can be made only by the manufacturer or its authorized agents, or by others who may be authorized by the FCC. Unauthorized repairs void registration and warranty.
4. Rights of the telephone company:
If your product is causing harm to the telephone network, the telephone company may temporarily discontinue your service. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem, and you will be informed of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your telephone equipment. If such changes are planned, you will be notified in advance.

FCC REGULATIONS

5. This product is compatible with inductively coupled hearing aids.
Note: This applies only if this product is equipped with a corded or cordless handset.
6. Programming/testing emergency numbers:
When programming emergency numbers and/or making test calls to emergency numbers:
 - A. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
 - B. Perform such activities in the off-peak hours, such as early morning or late evening.

INTERFERENCE INFORMATION: PART 15 OF FCC RULES

Some telephone equipment generates and uses radio frequency energy that, if not properly installed, may cause interference to radio and television reception.

This unit has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in subpart J of Part 15 of the FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception when it's in use, the user is encouraged to try to correct the interference by one or more of the following measures:

- A. Where it can be done safely, reorient the radio or TV receiving antenna.
- B. To the extent possible, relocate the television, radio or other receiver with respect to the telephone equipment.
- C. If your telephone product runs on AC power, plug your product into an AC outlet that's not on the same circuit as the one used by the radio or television.

BATTERY CAUTIONARY INSTRUCTIONS

BATTERIES: CAUTION

To reduce the risk of fire or injury to persons, read and follow these instructions:

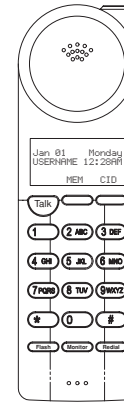
- For the cordless handset, use only 3.6V 600mAh Nickel Metal Hydride (Ni-MH) cordless telephone battery pack IBM-ENB1 (included).
- Do not dispose of the batteries in a fire. The cells may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
- Do not attempt to rejuvenate the batteries identified for use with this product by heating them. Sudden release of the battery electrolyte may occur causing burns or irritation to the eyes or skin.
- When inserting batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging, and that may result in leakage or explosion.
- Remove the batteries from this product if the product will not be used for a long period of time (several months or more) since during this time the battery could leak in the product.
- Do not store this product, or the batteries provided with or identified for use with this product, in high temperature areas. Batteries that are stored in a freezer or refrigerator for the purpose of extending shelf life should be protected from condensation during storage and defrosting.

Batteries should be stabilized at room temperature prior to use after cold storage.

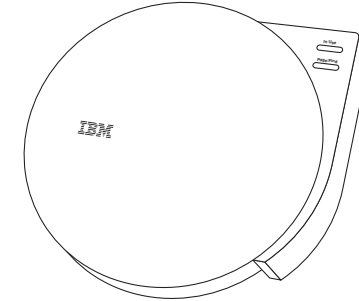


The EPA certified RBRC® Battery Recycling Seal on the nickel-metalhydride (Ni-MH) battery indicates TT Systems LLC is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC® program provides a convenient alternative to placing used Ni-MH batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-8-BATTERY for information on Ni-MH battery recycling and disposal bans/restrictions in your area. TT Systems LLC's involvement in this program is part of our commitment to preserving our environment and conserving our natural resources.

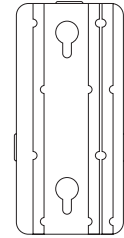
IBM-3920 PARTS CHECKLIST



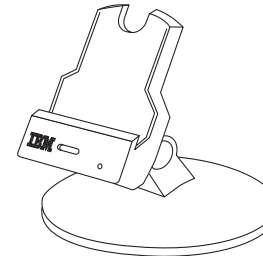
1. Handset



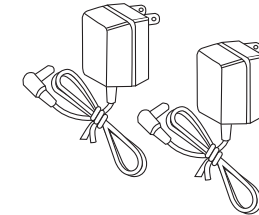
2. Base



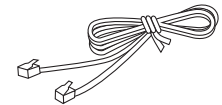
3. Base Wall Mount Plate



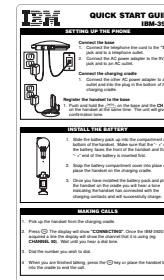
4. Charging Cradle



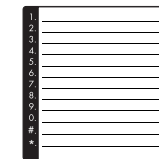
5. (2) AC power adapters



6. 7-foot line cord



7. Quick start card

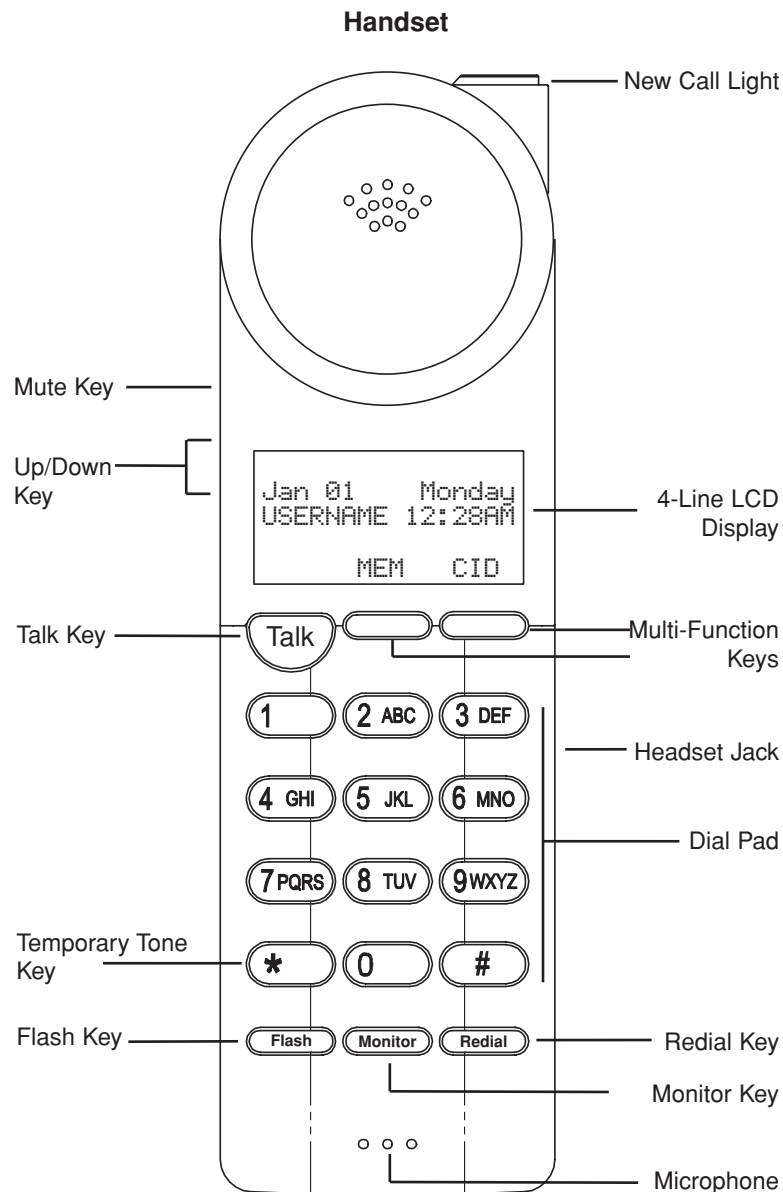


8. Memory Card



9. Ni-MH battery pack

LOCATION OF CONTROLS AND FEATURES



LOCATION OF CONTROLS AND FEATURES

Talk

The  key is used to access the telephone line or end a call. The  key also operates as a multi-function key when accessing different telephone modes (OK, Yes, and Call). See the fourth line of the display above the key for its current use.

Multi-Function Keys

The two  keys are used to access additional features of the telephone, depending on what mode the phone is in (MEM, CID, DEL, <--, Exit, Opts, Mute, Unmute, Hold, New, and No). See the fourth line of the display above the individual key for its current use.

Up/Down Key

The  key lets you scroll through menu options and adjust the handset volume.

Dial Pad

Numeric keys are used in the conventional manner for dialing.

Monitor Key

The  key enables you to monitor a phone call hands-free by amplifying the speaker. Does not disconnect when the handset is placed in the cradle.

Flash Key

The  key is used to access telephone company services like call waiting.

Redial Key

Pressing the  key will automatically redial the last number dialed. It is also used to program an adjustable measured pause into a dialing sequence stored in a memory location.

Mute Key

Use the **Mute** key to temporarily mute the handset microphone. While in standby mode, press and hold the **Mute** key to access handset setting programming.

Temporary Tone Key

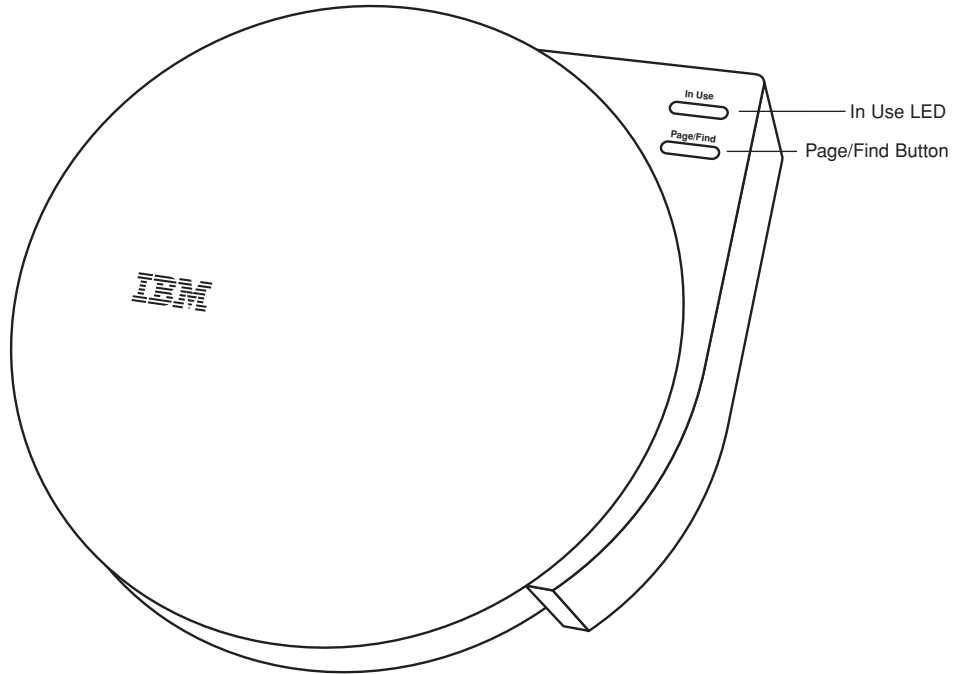
If the phone is set to pulse dialing in the handset settings, pressing  causes subsequent digits to be dialed out using tone until the line is put back on hook.

Headset Jack

Allows using a headset for hands-free convenience.

LOCATION OF CONTROLS AND FEATURES

Base

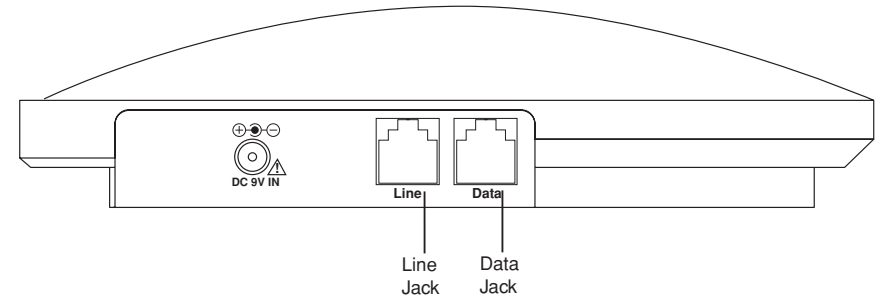


Page/Find Button - Use the  to page the person holding the handset. It also helps to find the handset when it is out of the cradle.

In Use LED - Lights green when the handset is being used.

LOCATION OF CONTROLS AND FEATURES

Base Back View

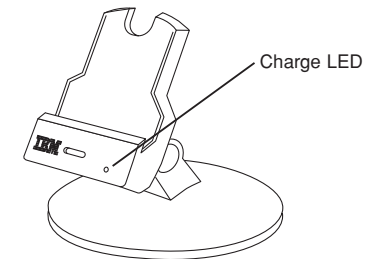


Data Jack

Used to connect a computer or fax machine.

Line Jack

Used to connect the base to the telephone line.

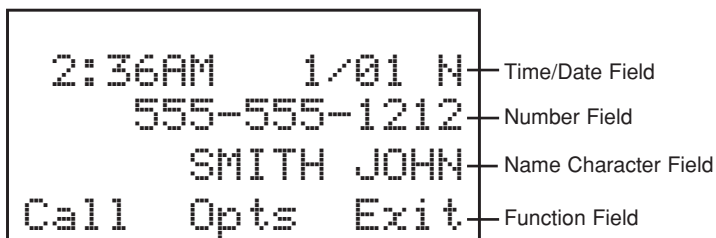


Charge LED

Lights green when the handset is properly making contact with the charge terminals.

LOCATION OF CONTROLS AND FEATURES

LCD Display



Name Character Field

Displays caller's name when viewing Caller ID. Sometimes displays other status information when the phone is idle.

Number Field

The number field will display numbers when dialing, viewing Caller ID, and when viewing the phone book. Displays the username and time when idle.

Time/Date Field

Shows the date and time of Caller ID calls or current date & day of the week when the phone is idle.

Function Field

Shows the functions currently available using the multi-function keys below the display.

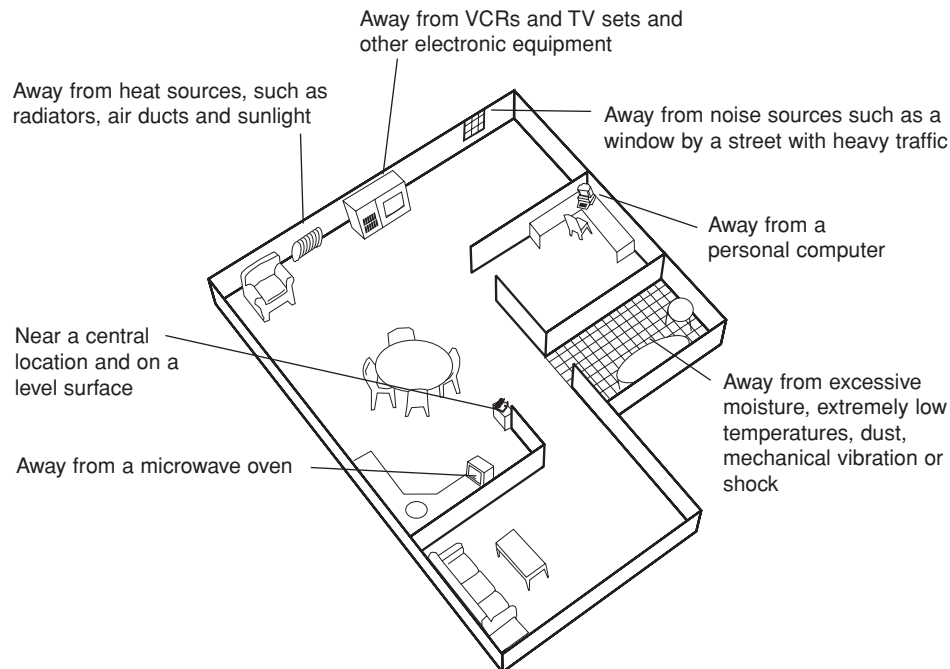
Priority, New and Repeat Calls

A **P** icon will display on the right side of the Time/Date field when the caller ID entry is one that has been flagged as a priority call. An **N** icon will display in that location when the caller ID entry has not been reviewed (new). An **R** icon will display in the same location if the same Caller ID information has been received more than one time.

CHOOSING A LOCATION

Do the following:

- Choose the best location
- Connect the phone
- Choose the dialing mode



Where you place the phone affects the reception quality of the handset:

- Away from another cordless telephone
- Place the base near an AC electrical outlet and near telephone line jack
- Place the base away from metal walls and metal file cabinets

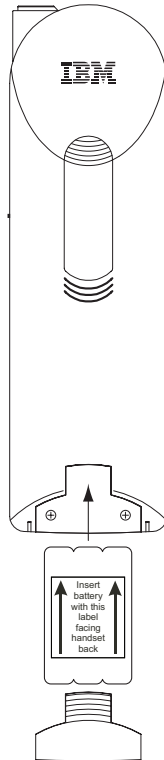
CAUTION: The cordless telephone operates at a frequency that may cause interference to nearby TVs and VCRs; the base phone should not be placed near, or on top of a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

Note: While the 2.4GHZ frequency is inherently clearer, we suggest that you do not use this phone within 20 feet of a working microwave. The microwave produces frequencies in this range which may cause interference.

BATTERY INSTALLATION

To install the cordless handset Ni-MH battery pack:

1. Slide the battery pack up into the compartment at the bottom of the handset. Make sure that the label with two arrows faces the back of the handset and that the "- +" end of the battery is inserted first.
2. Snap the battery compartment cover into place.
3. Place the handset on the charging cradle.
4. Once you have installed the battery pack and placed the handset on the cradle. The display will show **"CHARGING."**
5. **IMPORTANT:** Charge the battery pack for at least 12 hours before using the handset the first time.
6. The **Charge** LED on the charging cradle will light when the handset is properly making contact with the charge terminals.



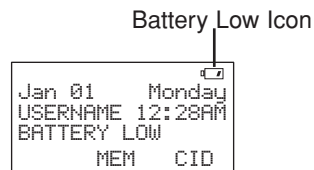
Battery Duration

A fully charged battery lasts for approximately:

- 5 hours when you use the handset continuously (talk time).
- 7 days when the handset is not in use (standby).

When the Battery Needs Charging

- The phone will beep.
- The display will show **"BATTERY LOW"** and the Battery Low Icon.



When to Purchase a New Battery Pack

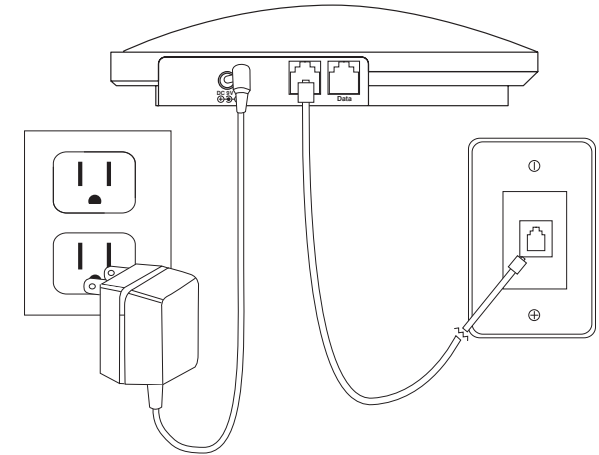
If the battery lasts only a few minutes even after a full charge, the usable life of the battery has expired and needs to be replaced. Contact TT Systems LLC customer support center at **1-800-955-1009** or on the Internet at **www.ttsystems.com**.

CONNECTING THE PHONE

Connect the base

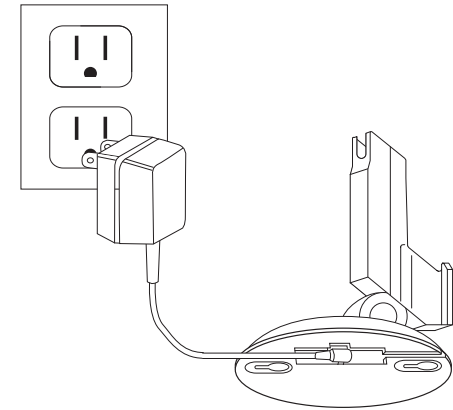
1. Connect the telephone line cord to the **"LINE"** jack and to a telephone outlet.
2. Connect the larger of the two AC power adapters to the 9V DC jack and to an AC outlet.

Tip: If your telephone outlet is not a standard RJ11/RJ14 wall jack, contact your telephone company for assistance.



Connect the charging cradle

1. Connect the other AC power adapter to an AC outlet and into the plug in the bottom of the charging cradle.



Initialize the handset to the base

1. Once phone is fully connected and the handset is placed in the charging cradle, the phone will automatically register to the base, selecting one of over 60,000 security codes.
2. If for some reason it is necessary to reinitialize the handset, simultaneously push and hold the **Page/Find** key on the base and the **Flash** key on the handset for five seconds, or until **"REGISTER"** appears on the display.

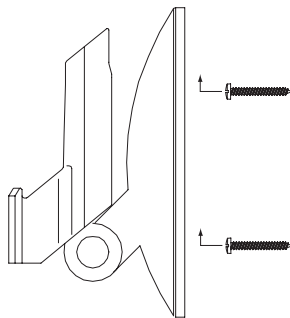
Note: Use only the supplied AC power adapters. Connect the AC power adapters to a continuous power supply. Place both the base and charging cradle close to the AC outlet so that you can plug in the AC power adapter easily.

WALL MOUNTING

The base unit and the charging cradle may be installed onto two screws (one pair included) fastened into the wall. When installing screws into plasterboard walls, use wall anchors (not included) to ensure that the screws remain secure. Insert the screws into the wall, leaving 3/16" of each screw extending out from the wall. See the wall mount templates on page 49 to properly space the screws in the wall for mounting. The IBM-3920 is not compatible with mounting on a wall mount telephone jack.

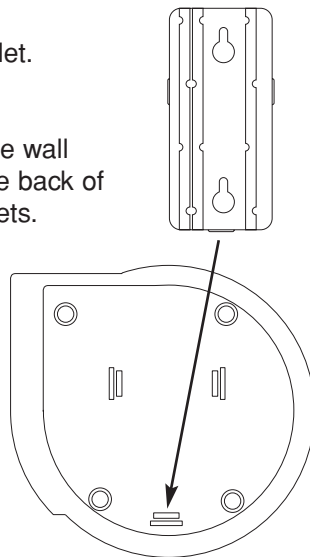
Handset/Cradle Wall Mounting Instructions:

1. Remove the handset from the charging cradle.
2. Adjust the charging cradle to the wall mount position.
3. Plug the AC adapter into the jack in base of the cradle and run the cable down through the cable channel.
4. Slip the cradle onto the wall, lining up the wall mounting holes over the screws. Slide the cradle down so it is firmly in place.
5. Return the handset to the charging cradle.
6. Plug the other end of the AC adapter into the AC outlet.

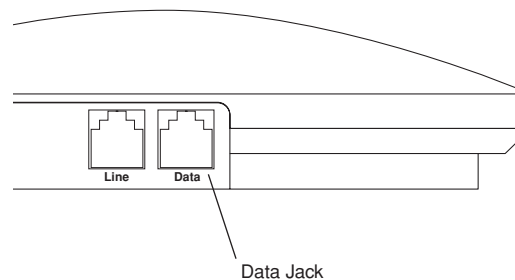


Base Wall Mounting Instructions:

1. Place the bottom mounting tab on the end of the base wall mounting plate into the lower attaching bracket on the back of the base. Lock the plate in place with the side brackets.
2. Plug the supplied 7-foot telephone cord into the "LINE" jack on the telephone.
3. Connect the telephone line cord to the wall jack.
4. Insert the AC adapter into the **9V DC** jack on the back of the base.
5. Slip the telephone base onto the wall, lining up the wall mounting holes over the screws. Slide the telephone base down so it is firmly in place.
6. Plug the other end of the AC adapter into the AC outlet.



HEADSET AND DATA JACK



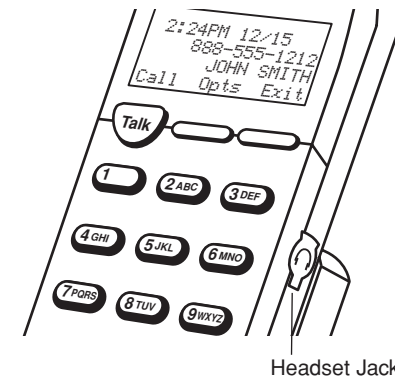
The Data Jack

The jack located on the back of the base labeled "DATA" is a convenience jack. It is useful for connecting a fax machine or modem when there is no telephone jack available for that device.

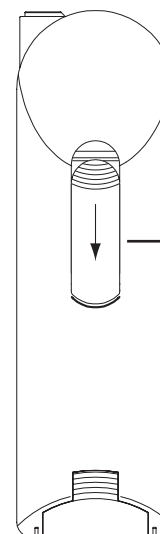
The Headset Jack

The headset jack is located on the right side of the handset and is a standard 2.5mm plug. Simply plug the headset into the jack and the headset will be active.

Note: When the headset is plugged into the telephone, the microphone and earpiece on the handset are not active.



Headset Jack



Belt-Clip

The belt-clip is integrated into the handset of the IBM-3920. To utilize the clip, simply push down on the top of the clip until it locks into place.

Belt-clip

SETTINGS

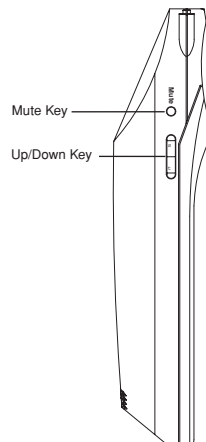
Handset Settings

You can change the setting on the handset in the programming menu.

The settings that can be changed in the programming menu are:

- **Username** Change the eight character name that is displayed when the phone is idle.
- **Ringer Level** Change the volume of the ringer, either High, Low, or Off.
- **Ring Tone** Change the way the ringer sounds on the handset.
- **Time and Date** Change the time and date.
- **Area Codes** Allows you to set your home area code, and local area codes if you have 10-digit dialing, for Caller ID callback. You can have as many as six local area codes.
- **Key Beeps** Allows you to either enable the phone beep each time a key is pressed or disable it.
- **Flash Time** Allows you to adjust the Flash pause time to accommodate the phone service in your area.
- **Pause Time** Allows you to adjust the number of seconds that a pause lasts when programming your speed dial numbers.
- **Tone/Pulse Mode** Allows you to select the dialing mode, either Tone or Pulse.
- **Line In Use Chk** When on, prompts you with "Line In Use Interrupt?" if the phone line is already being used by another extension.
- **Factory Default** Resets all the handset settings, including the speed dial directory, back to the factory defaults.

Note: At any time during options programming you can quit and the settings that you have selected will be saved. Quit the options menu by pressing /Exit or let the menu programming time out by not pressing any key for 15 seconds.



SETTINGS

Setting the Username

1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press /OK.
3. Use the dial pad to enter the username (see "Letter Table" on page 32), up to eight characters.
4. Press /OK.
5. Press /Exit to return to the idle screen.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

```
Enter Username
█
OK      Exit
```

```
>Ringer Level
Ring Tone
Time and Date
OK      Exit
```

Changing the Ringer Level

1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press  to go to the Ringer Level programming option.
3. Press /OK.
4. Press  or  to select between High, Low, and Off.
5. Press /OK.
6. Press /Exit to return to the idle screen.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

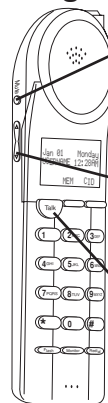
```
>Ringer Level
Ring Tone
Time and Date
OK      Exit
```

```
Ringer Level
Low
OK      Exit
```

```
>Ring Tone
Time and Date
Area Code
OK      Exit
```

SETTINGS

Changing the Ring Tone



1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press **▼** until you reach the Ring Tone programming option.
3. Press **Talk/OK**.
4. Press **▲** or **▼** to select between Ring Tone #1, #2, #3, and #4.
5. Press **Talk/OK**.
6. Press **Exit** to return to the idle screen.

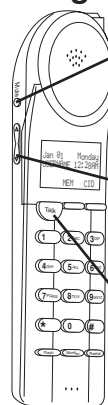
```
>Username
Ringer Level
Ring Tone
OK      Exit
```

```
>Ring Tone
Time and Date
Area Code
OK      Exit
```

```
Ring Tone #1
OK      Exit
```

```
>Time and Date
Area Code
Key Beeps
OK      Exit
```

Setting the Time and Date



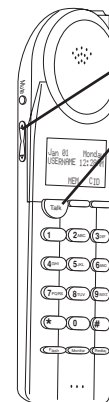
1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press **▼** until you reach the Time and Date programming option.
3. Press **Talk/OK**.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

```
>Time and Date
Area Code
Key Beeps
OK      Exit
```

```
Jan 01  Monday
Jan
OK      Exit
```

SETTINGS



4. Press **▲** or **▼** to select the month.
5. Press **Talk/OK**.
6. Press **▲** or **▼** to select the date.
7. Press **Talk/OK**.
8. Press **▲** or **▼** to select the day of the week.
9. Press **Talk/OK**.
10. Press **▲** or **▼** to select the hour.
11. Press **Talk/OK**.
12. Press **▲** or **▼** to select the minute.
13. Press **Talk/OK**.
14. Press **▲** or **▼** to select between AM or PM.
15. Press **Talk/OK**.
16. Press **Exit** to return to the idle screen.

```
Apr 01  Monday
01
OK  <--  Exit
```

```
Jan 01  Monday
Monday
OK  <--  Exit
```

```
12:01AM
12
OK  <--  Exit
```

```
10:01AM
01
OK  <--  Exit
```

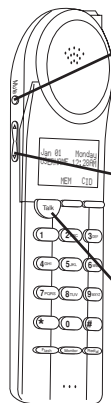
```
12:01AM
AM
OK  <--  Exit
```

```
>Area Code
Key Beeps
Flash Time
OK      Exit
```

Note: At any time during time and date programming you can press **Exit** to go back to the previous setting.

SETTINGS

Setting the Area Code



1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press ▼ until you reach the Area Code programming option.
3. Press **Talk/OK**.
4. If you only use 7 digits to dial locally (555-1212), use the dial pad to enter your 3-digit home area code and then press **Talk/OK**. You may now press **Exit** to return to the idle screen.
5. If you use 10-digit dialing in your area (555-555-1212), press ▼ to enter the first local area code, skipping the home area code programming.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

```
>Area Code
Key Beeps
Flash Time
OK      Exit
```

```
Home Area Code
█
OK      Exit
```

```
Area Code #1
█
OK      Exit
```

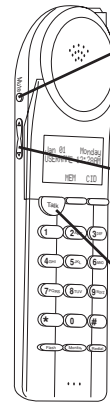
6. Use the dial pad to enter a 3-digit local area code.
7. Press ▼ to enter the next local area code. Repeat the same process for all the other local area codes. You can program up to 8 area codes, but you do not have to program all of them.
8. When you are done entering area codes, press **Talk/OK**.

```
>Key Beeps
Flash Time
Pause Time
OK      Exit
```

9. Press **Exit** to return to the idle screen.

SETTINGS

Turning Key Beeps On/Off



1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press ▼ until you reach the Key Beeps programming option.
3. Press **Talk/OK**.
4. Press ▲ or ▼ to toggle between Enable and Disable.
5. Press **Talk/OK**.
6. Press **Exit** to return to the idle screen.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

```
>Key Beeps
Flash Time
Pause Time
OK      Exit
```

```
Key Beeps
Enable
OK      Exit
```

```
>Flash Time
Pause Time
Tone/Pulse Mode
OK      Exit
```

SETTINGS

Changing the Flash Time

1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press ▼ until you reach the Flash Time programming option.
3. Press **Talk/OK**.
4. Press ▲ or ▼ to select between 700, 660, 620, 600, 580, 400, 270, or 100 ms.
5. Press **Talk/OK**.
6. Press **Exit** to return to the idle screen.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

```
>Flash Time
Pause Time
Tone/Pulse Mode
OK      Exit
```

```
Flash Time
600 ms
OK      Exit
```

```
>Pause Time
Tone/Pulse Mode
Line In Use Chk
OK      Exit
```

Note: The standard and default flash time setting is 600msec. This is the setting you should use to access standard telephone services such as call waiting. This setting is adjustable to allow for PBX and other special uses.

SETTINGS

Changing the Pause Time

1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press ▼ until you reach the Pause Time programming option.
3. Press **Talk/OK**.
4. Press ▲ or ▼ to select between 01-10 seconds.
5. Press **Talk/OK**.
6. Press **Exit** to return to the idle screen.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

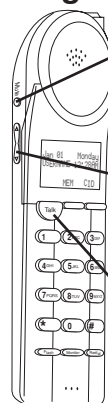
```
>Pause Time
Tone/Pulse Mode
Line In Use Chk
OK      Exit
```

```
Pause Time
04 Seconds
OK      Exit
```

```
>Tone/Pulse Mode
Line In Use Chk
Factory Default
OK      Exit
```

SETTINGS

Changing the Tone/Pulse Mode



1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

2. Press ▼ until you reach the Tone/Pulse mode programming option.

```
>Tone/Pulse Mode
Line In Use Chk
Factory Default
OK      Exit
```

3. Press **Talk/OK**.

```
Tone/Pulse Mode
Tone
OK      Exit
```

4. Press ▲ or ▼ to toggle between Tone or Pulse.

5. Press **Talk/OK**.

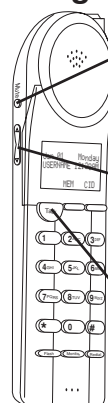
```
>Line In Use Chk
Factory Default
OK      Exit
```

6. Press **Exit** to return to the idle screen.

Tip: If you are unsure of the proper dialing mode, make a trial call with the dial mode setting to TONE MODE. If the call connects, leave the setting as is; otherwise, set to PULSE MODE.

SETTINGS

Setting the Line In Use Check



1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

2. Press ▼ until you reach the Line In Use Chk programming option.

```
>Line In Use Chk
Factory Default
OK      Exit
```

3. Press **Talk/OK**.

```
Line In Use Chk
Enable
OK      Exit
```

4. Press ▲ or ▼ to toggle between Enable and Disable.

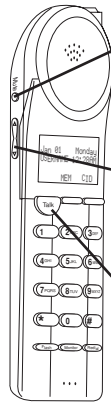
5. Press **Talk/OK**.

```
>Factory Default
OK      Exit
```

6. Press **Exit** to return to the idle screen.

SETTINGS

Resetting to Factory Defaults



1. Press and hold the **Mute** key on the left side of the handset to enter the programming menu.
2. Press **▼** until you reach the Factory Default programming option.
3. Press **Talk/OK**.
4. Press **Talk/Yes** if you wish to set all the previous settings, as well as speed dial settings, back to the Factory Default. Press **Exit/No** to exit without resetting.
5. Press **Exit/Exit** to return to the idle screen.

```
>Username
Ringer Level
Ring Tone
OK      Exit
```

```
>Factory Default
OK      Exit
```

```
Factory Default
Master Reset?
Yes     No
```

```
>User Name
Ringer Level
Ring Tone
OK      Exit
```

Note: A factory default master reset will completely delete all speed dial entries and caller ID memories, as well as return all handset settings back to the factory defaults.

BASIC DISPLAYS

Handset Idle

```
Jan 01    Monday
USERNAME 12:28AM

MEM      CID
```

Line Ringing with New Call

```
New Call
555-555-1212
JOHN SMITH
Reject
```

Line Ringing with Priority Call

```
Priority Call
555-555-1212
JOHN SMITH
Reject
```

Line Ringing with Repeat Call

```
Repeat Call
555-555-1212
JOHN SMITH
Reject
```

Charging

```
Jan 01    Monday
USERNAME 12:28AM

CHARGING
```

Line on Hold

```
00:40

Line On Hold
MEM      CID
```

Call Timer

```
00:20

End      Hold      Mute
```

New CID Received

```
Jan 01    Monday
USERNAME 12:28AM
03 New Calls
MEM      CID
```

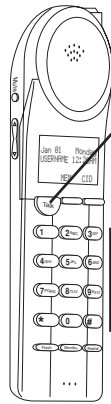
Volume Control

```
00:20

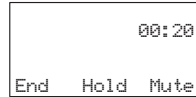
Volume=3
End      Hold      Mute
```

BASIC OPERATION

Making Calls



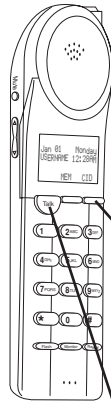
1. Pick up the handset from the cradle.
2. Press **Talk**. Wait until you hear a dial tone.
3. Dial the number you wish to dial.
4. After a few seconds of the line being active the display will begin the call timer.



5. When you are finished talking, press the **Talk** key or place the handset back into the cradle to end the call.

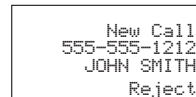
Note: The **IN USE** light on the base will illuminate when the line is active.

Receiving Calls



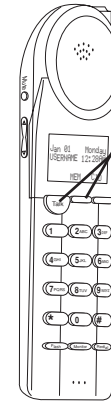
When you hear the phone ring:

1. The handset LCD will display **"Reject"** on the bottom line. After the first ring, Caller ID information is displayed if you are subscribed to that service from a telephone company.
2. Press **Reject** at any time after the phone begins to ring. This will immediately mute the ringer, but the call will continue normally, allowing it to store Caller ID information and reach voice mail or some other answering device.
3. If the handset is in the cradle, answer the phone by lifting the handset from the cradle. The handset will turn on. There is no need to push the **Talk** key if the unit is in the cradle when the call comes in.
4. If the handset is off the cradle, push **Talk** to answer.
5. When you are finished talking, push the **Talk** key or place the handset back into the cradle to end the call.



BASIC OPERATION

Putting a Call on Hold



1. During a phone conversation, press the **Hold** key.
2. Press **Talk** to pick up the line on hold.

Note: When a call is placed on hold, it is possible to access the speed dial and caller ID directories (view-only) to reference the phone number information.

Note: The phone will remind you if the call has been on hold longer than 10 minutes by ringing once every minute starting at 10 minutes. After a call is on hold for 15 minutes, the call will be disconnected.

Using the Monitor

The monitor feature is designed to allow you to listen to your telephone call without having to hold a handset up to your ear. There are many reasons to use this feature, such as if you are on hold and are waiting for the other party to talk to you again but want your hands free to do something else while you listen.

There are two ways to use the monitor feature:

- Press the **Monitor** button and then dial out normally. You are free to place the phone in the charging cradle without being disconnected. The phone will automatically use monitor mode until either **Monitor** is pressed or the handset is lifted from the cradle.
- Press the **Monitor** button while the phone is already off-hook. The phone enters monitor mode and can be placed into the cradle without disconnecting the phone call. The phone will stay in monitor mode until either **Monitor** is pressed or the handset is lifted from the cradle.

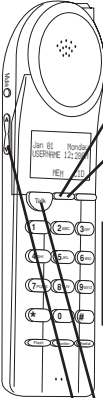
Additional Options

To:	Do This:
Adjust the volume in the earpiece	Press ▲ ▼ during a call until the desired volume level is reached.
Switch to temporary tone dialing	Press the (*) key after the phone is in use. The phone will remain in tone dialing mode for the duration of the call.
Receive a call waiting call	Press Flash to go to the new caller. Press Flash again to go back to the original caller.

SPEED DIALING

The IBM-3920 will store up to 99 speed dial numbers, up to 12 of which can be programmed for one-touch dialing.

Storing Phone Numbers



- 1. With the handset in the idle state, press the memory key /MEM.
- 2. Press /Opts, select "New Entry," and press /OK.
- 3. Dial the number you wish to store (up to 32 digits) and press /OK. To add a pause, press the key.
- 4. Enter the name you wish to store (up to 16 characters) using the dial pad to enter the letters. See the letter table for how to program the letters using the dial pad. When entering letters, if you pause for more than a second or press a new key, the letter fields will move to the next space. To add a blank space between words push .
- 5.

Example: For JOHN SMITH dial this sequence:

5	666	44	66	1	7777	6	444	8	44
J	O	H	N	space	S	M	I	T	H
- 6. Use the key to select if the phone number is a priority number.
- 7. Press /OK.
- 8. If you would like this number to be one of the 12 one-touch numbers, use the dial pad to enter the location (0-9, *, or #). If you do not want to make this a one-touch number, leave this entry blank.

SPEED DIALING

Note: If you select a one-touch entry that is already occupied, the current one will overwrite the old one and the previous entry will only be accessible from the directory.

- 9. Press /OK.
- 8. The display will show "Entry Stored..." and you will be returned to the idle display.

Letter Table

Key	1st press	2nd press	3rd press	4th press	5th press	6th press	7th press	8th press	9th press
1	Space	1	Space	1	Space	1	Space	1	Space
2	A	B	C	2	A	B	C	2	A
3	D	E	F	3	D	E	F	3	D
4	G	H	I	4	G	H	I	4	G
5	J	K	L	5	J	K	L	5	J
6	M	N	O	6	M	N	O	6	M
7	P	Q	R	S	7	P	Q	R	S
8	T	U	V	8	T	U	V	8	T
9	W	X	Y	Z	9	W	X	Y	Z
0	"	0	-	.	,	:	'	?	!
*	*	/	(	)	&	@	*	/	(
#	#	#	#	#	#	#	#	#	#

Note: At any time that you enter something incorrectly, pressing the /DEL key will delete the current entry or go to a previous entry if the current one is blank.

Note: You can store a into a phone number, such as when you would want to use phone company provided conference calling services and automatically conference two phone numbers together.

Note: If there are no memory locations left in the speed dial directory the IBM-3920 will display "PHONEBOOK FULL." You must delete other speed dial records to add any more.

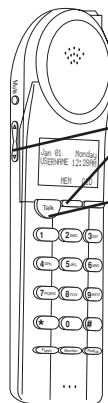
Note: The same telephone number can be stored in multiple locations, if desired.

Making Calls With Speed Dialing

One-Touch Dialing

1. To make a call using one-touch dialing, press and hold the dial pad key that the number is stored under (0-9, *, #). The IBM-3920 will dial the stored number.
2. When you are finished talking, press the **Talk** key or place the handset back into the cradle to end the call.

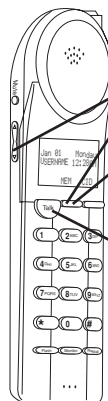
Note: Be sure to check that the line is not in use by another extension.



Dialing from the Directory

1. To access the speed dial directory press **MEM**.
2. Numbers are stored in the phone book in alphabetical order. Locate the number you wish to dial using **▲ ▼**.
3. Push **Talk**. The number is then dialed.
4. When you are finished talking, press the **Talk** key or place the handset back into the cradle to end the call.

Deleting a Stored Number

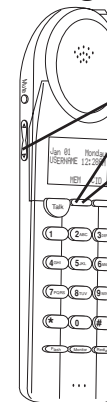


1. Press **MEM**.
2. Locate the number you wish to delete using **▲ ▼**.
3. Press **Opts**. The MEM options menu will be displayed.
4. Use the **▲ ▼** key to select "Delete Entry."
5. Press **Talk/OK**.
6. Press **Talk/Yes** to delete the entry.
7. When you are finished press **Exit**.

```
>New Entry
>Edit Entry
>Delete Entry
OK          Exit
```

```
Delete Directory
Are You Sure?
Yes          No
```

Editing a Stored Number



1. Press **MEM**.
2. Locate the number you wish to edit using **▲ ▼**.
3. Press **Opts**. The MEM options menu will be displayed.
4. Use the **▲ ▼** key to select "Edit Entry."
5. Press **Talk/OK**.
6. The phone will go through the same process as storing a number, only with the information already entered. Use the **DEL** key to delete incorrect information. Enter new information normally.

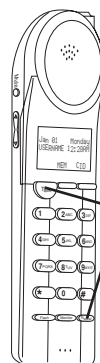
```
>New Entry
>Edit Entry
>Delete Entry
OK          Exit
```

```
New Entry
>Edit Entry
>Delete Entry
OK          Exit
```

Name Matching

If you have stored names and numbers in the speed dial directory and you receive a Caller ID call with a number that matches a number in the speed dial directory the name that is stored will be displayed with the Caller ID number.

Redial the Last Number



1. While the phone is on-hook, press **Redial**. The display will show **"Redial #10"** and the most recent number dialed on the phone (up to 32 digits).

```
Redial #10
555-1212
Call MEM Exit
```

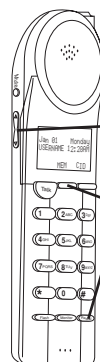
2. Press **Talk/Call** to dial the displayed number.
3. Press **Exit** if you wish to leave redial without calling.

Redial Last 10 Numbers

1. While the phone is on-hook, press **Redial**. The display will show **"Redial #10"** and the most recent number dialed.
2. Use the **▲ ▼** keys to scroll through the last ten numbers dialed on the phone. Pressing **▲** when viewing redial #10, or **▼** when viewing #1, will return you to the idle screen.
3. Press **Talk/Call** when you wish to dial the displayed number.
4. Press **Exit** if you wish to leave redial without calling.

```
Redial #1
555-2983
Call MEM Exit
```

Storing Redial Numbers



1. While the phone is on-hook, press **Redial**. The display will show **"Redial #10"** and the most recent number dialed.
2. Use the **▲ ▼** keys to scroll through the last ten numbers dialed on the phone to the one you wish to store.
3. Press **MEM** to store the displayed number into the speed dial directory. The process for saving the number is similar to storing any number into speed dial (see "Storing Phone Numbers" on page 31).
4. Press **Exit** if you wish to leave redial without calling or storing.

Caller ID allows the caller's name and phone number to be shown on the display before you answer the call. In order to use this feature you must first subscribe to Caller ID name and number service with your telephone company.

When You Receive a Call

1. When the telephone rings, the caller's name and phone number appears on the display.
2. The new Caller ID record includes the name and number of the caller and the time and date the record is received. The New Call light will flash to indicate that you have a new Caller ID call stored in memory.

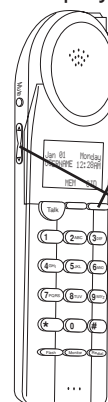
```
New Call
555-555-1212
JOHN SMITH
Reject
```

Note: When the Caller ID information is received, it is stored in memory so that this information can be recalled for later use. Up to 99 Caller ID calls can be stored.

Viewing the Caller ID List

This phone automatically stores the last 99 calls received. If a call is received from the same number more than once on the same day, no new entry is made, but the repeat call icon (**R**) will display on the entry.

```
2:36AM 1/01 R
555-1212
JOHN SMITH
Call Opts Exit
```



1. With the handset idle press **CID**.
2. The number of New calls received and the Total number of calls received is displayed.
3. To scroll through the calls, use the **▲ ▼** key. The **▼** will go through the calls from the last call received to the first. The **▲** will allow you to view the calls from the first call received to the last. Between the first and last call the display will show the total number of calls.
4. Press **Exit** to finish.

```
02 New Calls
28 Total Calls
Exit
```

Caller ID Displays

```
2:36AM 1/01 N
555-555-1212
SMITH JOHN
Call Opts Exit
```

When viewing a caller ID record, the name and number, time and date of the call, and whether the call is New, Repeated, or Priority are all displayed.

```
2:36AM 1/01
555-1212
Call Opts Exit
```

This display is shown when number only Caller ID service is received.

```
2:36AM 1/01
No Caller ID
Available
Opts Exit
```

"No Caller ID Available" will be displayed when Caller ID information is not available. This call was made from a telephone company that does not offer Caller ID services (including international calls).

```
2:36AM 1/01
Blocked Call
Opts Exit
```

"Blocked Call" will be shown when a call is received from a blocked number. For privacy reasons, some states allow callers the option to prevent their telephone data from being displayed on the other party's Caller ID display.

```
ERROR
```

Display shows when the Caller ID information was received incorrectly or only part of the data was received.

Note: When an error is received, none of the data from this call is saved in memory.

```
Jan 01 Monday
USERNAME 12:28AM
Message Waiting
MEM CID
```

Display shows when a voice mail message has been received and is stored by message waiting service provided by the phone company.

```
02 New Calls
28 Total Calls
Exit
```

This is shown when **[Flash]**/CID is first pressed and between the first and last call when viewing the Caller ID list.

```
No New Calls
00 Total Calls
```

This is displayed when **[Flash]**/CID is pressed and there is no Caller ID data stored. The phone will return to the idle screen after 3 seconds.

Caller ID with Call Waiting Service

In order to use the "Call Waiting Caller ID" service you must subscribe to a telephone company that offers Caller ID service combined with "call waiting" service.

When a new call comes in while you are talking, you will hear a notification beep from the handset and the volume is momentarily muted. The new caller's name and phone number, if available, appears on the display.

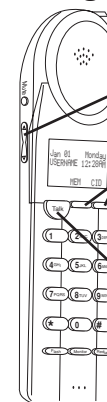
1. When you receive a "call waiting" call and you want to connect the call, press **[Flash]**. The active call will be placed on hold and the new call will be active.

```
2:36AM 1/01 N
555-555-1212
SMITH JOHN
Call Opts Exit
```

2. Press **[Flash]** to alternate between calls.
3. Press **[Talk]** or place the handset back on the cradle to end the call.

Note: If pressing **[Flash]** does not work, it is possible you need to change your flash time settings. See "Changing the Flash Time" on page 23 for more information.

Storing Caller ID Records



1. Press **[Flash]**/CID.
2. Use the **▲ ▼** to scroll to the call record you wish to store.
3. Press **[Flash]**/Opts. The display will show the CID options menu.
4. To save the record, use the **▲ ▼** key to highlight **"Save in PhoneBk."**
5. Press **[Talk]**/OK.
6. The display will show **"Entry Stored..."** The number is stored in the speed dial directory and after 3 seconds the screen will return to the idle display.
7. To edit the entry, you must follow the instructions on page 34, "Editing a Stored Number."

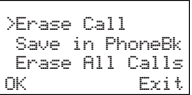
```
>Erase Call
Save in PhoneBk
Erase All Calls
OK Exit
```

Deleting Caller ID Records

When viewing the Caller ID information you can delete a single call record or all the call records.

To Delete a Single Record

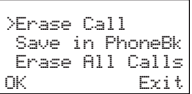
1. Press **[CID]**.
2. Use **▲ ▼** to scroll to the call record you wish to delete.
3. Press **[Opts]**. The CID options menu is displayed.



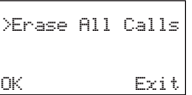
4. Use the **▲ ▼** key to highlight **"Erase Call."**
5. Press **[Talk/OK]**. The record is erased and the next entry is displayed.
6. Press **[Exit]** to finish.

To Delete All Records

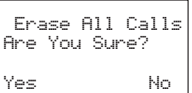
1. Press **[CID]**.
2. Press **▲ ▼** once to display any call record.
3. Press **[Opts]**. The CID options menu is displayed.



4. Use the **▲ ▼** key to highlight **"Erase All Calls."**



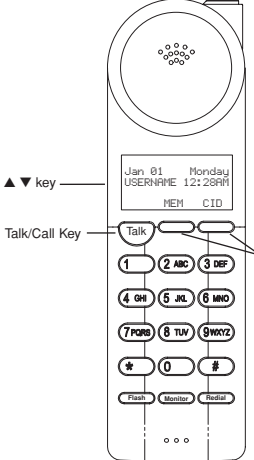
5. Press **[Talk/OK]**.



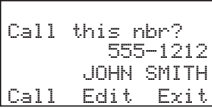
6. To delete the record press **[Talk/Yes]**. The display will momentarily show **"All Caller ID Erased!!"** and then return to the idle display.

Returning Caller ID Calls

You can return calls by using the Caller ID callback feature.



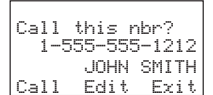
1. Press **[CID]**.
2. Use the **▲ ▼** to scroll to the call record you wish to call back.
3. Press **[Talk/Call]**. The display will show **"Call this nbr?"**



5. Press **[Talk/Call]** again to dial out the displayed number.

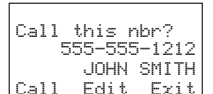
If the number displayed is not correct (needing 7, 10, 11 digits), do the following before you dial:

6. Press **[Edit]** to toggle among 7, 10, 11 digit numbers to be dialed out.

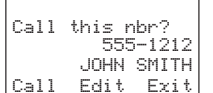


7. Press **[Talk/Call]** to dial the current number displayed.
8. Press **[Exit]** to cancel dialing.
9. When you are finished talking, press the **[Talk]** key or place the handset back into the cradle to end the call.

Tip: If you set up your home area code and local area codes in the handset setup mode, you will not have to adjust the number between 7, 10 or 11 digit dialing (see Setting the Area Code on page 20 for setup information).



Press **[Edit]**

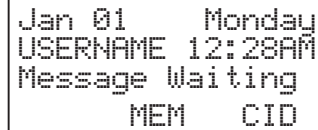


Press **[Edit]**

When you are ready to dial the number, press **[Talk]**. The number displayed will dial out.

MESSAGE WAITING

If you subscribe to voice mail from the telephone company and if there are voice messages that have been left in your voice mailbox, the display will show **"MESSAGE WAITING."**



Jan 01 Monday
USERNAME 12:28AM
Message Waiting
MEM CID

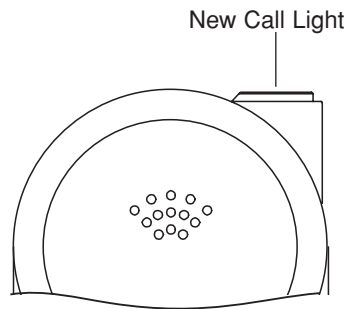
Note: This function requires voice mail subscription from the local telephone company. Furthermore, the local phone company must provide a type of voice mail signaling called "FSK." Not all telephone companies have the visual message waiting feature available. Please contact your local telephone company to check if this is available in your area.

Tip: If you wish to delete the "Message Waiting" message, delete all the Caller ID messages (see "Deleting Caller ID Records" on page 39).

New Call Light

When you receive new Caller ID or voice mail message, the New Call light will flash accordingly.

- For Caller ID, the New Call light will flash quickly to indicate that you have a new Caller ID call stored in memory.
- When you have a voice message waiting the New Call light will flash at a slow rate.



OTHER FEATURES

Using the Handset Finder (PAGE)

1. Press  on the base. If the handset is within range, the handset will beep for 20 seconds.
2. Press any key on the handset to stop the page/find feature.

Out-of-Range Warning

If you venture too far from the base, the handset will beep and the display will show **"OUT OF RANGE."** Reverse your direction to re-establish connection with the base or the call will be dropped. When the base detects that the handset has been out of range for 15 continuous seconds it will release the engaged line.

Note: When the base loses power, the handset will also beep and display **"OUT OF RANGE."** If this indication occurs when the phone is not in use, make sure the base is being properly supplied with power.

CARE AND MAINTENANCE

Your IBM-3920 telephone has been designed to give years of trouble-free service. It is a sensitive electronic instrument. To assure its longevity, please read the following maintenance instructions.

1. Keep the IBM-3920 away from heat as high temperatures can shorten the life of the electrical components and distort or melt its plastic parts.
2. The IBM-3920 should be kept 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 IBM-3920 gently and carefully. Dropping it can cause serious damage to circuitry, or the plastic case, which may result in 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 the IBM-3920 telephone.
5. The IBM-3920 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 the IBM-3920 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 the case of trouble with the telephone, do not attempt to repair the telephone yourself. It is the responsibility of users requiring service to 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-3920 telephone, please call our Service Department at **1-800-955-1009** between the hours of **9:00 A.M.** and **9:00 P.M.** Eastern time **Monday - Friday**. Or you may contact TT Systems LLC for technical assistance via our Internet Web site at **www.ttsystems.com** or e-mail at **tech@ttsystems.com**.
9. Please register your product online at **www.ttsystems.com/CustomerSupport/RegOnline.asp**.

GLOSSARY

Useful Features and Terms
Calendar/Clock — Visual display of date, day and time.
Caller ID — Enables users to view name and number of callers. Contact your local telephone company to subscribe to Caller ID Service.
Caller ID Log — Stores up to 99 Caller ID entries.
Call Timer — Allows timing of phone conversations.
Data/FAX Port — Allows connection of a PC or FAX machine directly into the phone versus a wall outlet.
Dial from Display — One-button dialing from the Caller ID log.
Display — The Liquid Crystal Display (LCD) shows clock and calendar, number dialed, low battery indicator, Caller ID information and call timer.
Flash — A signal sent by the phone to the local telephone company supporting services such as call waiting.
Hold — Permits user to place a call on hold. Allows access by that user or by any other extension in the system.
Message Waiting Indicator — A visual indicator that there are new messages in your voice mail box. Requires FSK signaling by phone company. Contact your local telephone company to subscribe to Voice Mail Service.
Mute — Prevents the party on the other end of the line from hearing local conversation.
New Calls Indicator — A visual indicator that new calls have been received.
Redial — Performs two button dialing of last number dialed.
Ringer Level Control — Permits adjustment of the ringer volume level.
Speed Dialing — Allows programming of frequently dialed numbers so that they can be dialed with one-touch speed dialing (12 entries) or into a phone book directory (99 entries).
Tone/Pulse Option — Enables you to switch from pulse (rotary) to tone dialing.
Volume Level Control — Permits volume adjustment of the handset and headset during a conversation.
FSK type Signaling — A signal used to turn on and off the message waiting indicator, can be sent by the telephone company with a ringing signal or without.

TROUBLESHOOTING

No dial tone/phone will not dial out.

- Check that the AC power adapters are plugged into working power outlets.
- Check all telephone cord connections or try another wall jack.
- Make sure the battery is inserted correctly.
- Make sure the handset and base are registered to each other. When they are not registered together, the handset cannot connect to the phone line to dial out. See the instructions on page 14, "Initialize the handset to the base."

Can't hear the ring signal.

- Check the ringer volume controls; at the lowest level the ring may not be heard.

While on a call, you hear another call on the line or experience radio frequency interference.

- Switch channels to a clear channel.
- Check the wiring for bad connections.
- Do not use this phone within 20 feet of a working microwave. Microwaves produce frequencies in this range which may cause interference. This interference is normal for all 2.4GHz phones and should not be considered a product defect.

The caller's name and/or phone number does not appear on the display.

- Make sure you have subscribed to Caller ID service (from local telephone company).
- Caller ID service may not work when the phone is connected to a Private Branch Exchange (PBX).
- The call is coming from an area not supplying caller ID data. **"Out of Area"** will appear on the display.
- The caller has requested that their phone number be suppressed from Caller ID service. **"Blocked Call"** or **"No Caller ID Available"** will appear on the display.
- You answered the call before Caller ID data was displayed, which usually occurs after the second ring.

New Call/Message Waiting Indicator doesn't work properly.

- Make sure you have subscribed to voice mail compatible with "FSK" type signaling (check with your local phone company). If your voice mail product from the local phone company does not support "FSK" signaling, you may use this feature as a New Call Indicator only.

TROUBLESHOOTING

Can't receive or make phone calls.

- Check to be sure the phone is set to the correct type of service, either Tone or Pulse.

Phone says "Out of Range" but I'm right next to the base.

- Make sure the base is being supplied power. The handset will display "Out of Range" any time it can't find the base, including when the base is not powered.

WARRANTY

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.

This product is distributed and sold by TT Systems LLC, 7 Odell Plaza, Yonkers, New York 10701, the official licensee for this product. IBM, the IBM logo trademarks and the IBM trade dress are owned by International Business Machines Corporation and are used under a license from IBM. IBM does not manufacture this product and provides no warranty or support for this product. Please contact TT Systems LLC at **1-800-955-1009** for all questions/comments and service or support related to this product.

TT Systems LLC warrants that the IBM-3920 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-3920, 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 LLC.

If the IBM-3920 shall prove to be defective, then TT Systems LLC shall either replace, repair or refund the purchase price of the IBM-3920 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-3920 to TT Systems LLC at the following address: **TT Systems LLC, 4 Executive 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. This warranty will be voided by misuse, improper physical environment, accident, or improper maintenance by you.

THIS WARRANTY REPLACES ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD.

WARRANTY

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UNDER NO CIRCUMSTANCES IS TT SYSTEMS LLC OR IBM LIABLE FOR ANY OF THE FOLLOWING: (1) THIRD-PARTY CLAIMS AGAINST YOU FOR LOSSES OR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); (2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR (3) SPECIAL, INCIDENTAL OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF TT SYSTEMS LLC OR IBM ARE INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

TT Systems LLC reserves the right to make changes in the design of the IBM-3920 and to make additions or improvements to the IBM-3920 without incurring any obligation to modify any IBM-3920 previously sold.

SAFETY INFORMATION FOR IBM-3920

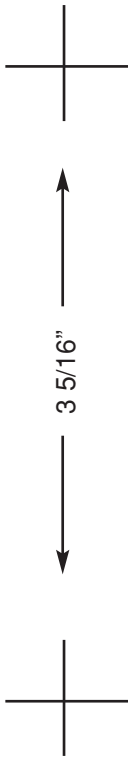
Your cordless telephone contains a low power transmitter. When the Push-to Talk (PTT) button is pushed it sends out radio frequency (RF) signals. This device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

CAUTION: To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 0.5 inches (1.25 centimeters) from your face with the antenna pointed up and away from the face. If you wear the handset on your body while using the headset accessory, use only the manufacturers supplied belt clip for this product and ensure that the antenna is at least 1 inches (2.5 centimeters) from your body when transmitting.

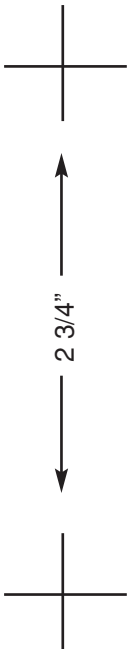
Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

WALL MOUNTING TEMPLATES

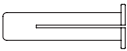
Base Template



Charging Cradle
Template



Screws needed for
wall mounting:



Expansion
Anchor



#6 or #8 Pan Head
Self Tapping Screw

REPLACEMENT BATTERY ORDER FORM



(This is your mailing label)

From:

TT SYSTEMS LLC
7 Odell Plaza
Yonkers, NY 10701

To:

To order a replacement battery pack for the IBM-3920 cordless telephone, please mail this order form to the IBM licensee for this product.

TT SYSTEMS LLC
7 Odell Plaza
Yonkers, NY 10701

Ni-MH Battery Packs are \$16.95 each

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

Name: _____
Company: _____
Address: _____
City: _____ State: _____ Zip: _____