

<b>Doc Title</b> :	<b>User's Guide</b>	<b>Revision</b> :	<b>1.0</b>
<b>Model</b> :	<b>Motorola L60XN</b>	<b>Page(s)</b> :	<b>1 of 21</b>



motorola

## **User's Guide**

L601N/L602N/L603N/L604N/L605N/L6N

DECT 6.0 Digital Cordless/Corded Phones with Answering Machine

**Warning**  
*Use only the adapter and telephone line cord provided  
in the box.*

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***Welcome to your new Motorola Phone!***

Please retain your original dated sales receipt for your records. For warranty service of your Motorola product, you will need to provide a copy of your dated sales receipt to confirm warranty status. Registration is not required for warranty coverage.

For product-related questions, please call:

**US and Canada: 1-888-331-3383**  
**On the Web: [www.motorola.com](http://www.motorola.com)**

- 30 name and number directory.
- Caller ID shows you who is calling and includes details of the last 30 callers in a calls list.\*\*
- Register up to 5 cordless handsets to a single base.
- Make internal calls, transfer external calls, hold 3-way conversation between two internal callers and an external caller.

\*\*You must subscribe to your network provider's Caller ID or Call Waiting service for these features to work.

Please note that this equipment is not designed for making emergency telephone calls when the power fails. Alternative arrangements should be made if emergency telephone call is necessary.

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***This User's Guide provides you with all the information you need to get the most from your phone.***

***Before you make your first call you will need to set up your phone.***

***Follow the simple instructions in 'Getting Started', on the next few pages.***

#### **IMPORTANT**

Only use the telephone line cord supplied.

This equipment is not designed to make emergency telephone calls during power failures. Alternative arrangements should be made for access to emergency services.

#### **Got everything?**

- Base
- Handset
- NiMH Rechargeable Battery Pack
- Battery Door
- Power Adapter
- Telephone Line Cord
- User's Guide
- Quick Start Guide

**In multi-handset packs, you will find one or more additional cordless handsets, cordless chargers with power adapters, additional rechargeable battery packs and battery doors.**

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## 1 GETTING STARTED

### **WARNING**

- Do not place your phone in the bathroom or other humid areas.

### **Location**

When choosing a location for your new phone, here are some important guidelines you should consider:

- Avoid sources of noise and heat, such as motors, fluorescent lighting, microwave ovens, heating appliances and direct sunlight.
- Avoid areas of excessive dust, moisture, and low temperature.
- Avoid other cordless telephones or personal computers.
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch non-insulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

### **HANDSET RANGE**

Optimal range is reached when there are no other electrical appliances working within the range area. Any obstruction between the base and cordless handset will also reduce the range significantly.

### **SIGNAL STRENGTH**

When out of range of the base, the screen shows **Out of range or no pwr at base**. If you are on a call, the line will hang up. Move back within range of the base. The cordless handset will automatically re-connect to the base.

### **Setting up**

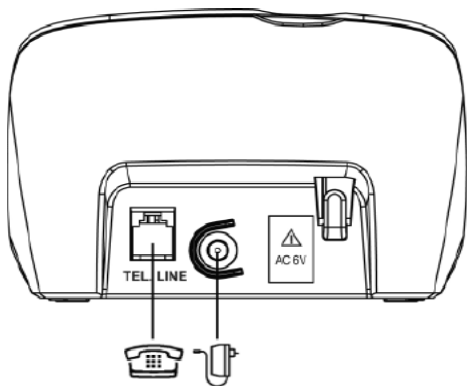
#### **IMPORTANT**

The base must be plugged into an electrical outlet at all times. Do not connect the telephone line cord into the telephone wall jack until the cordless handset is fully charged. Use only the adapter and telephone line cord supplied with the product.

#### **WHICH POWER ADAPTER**

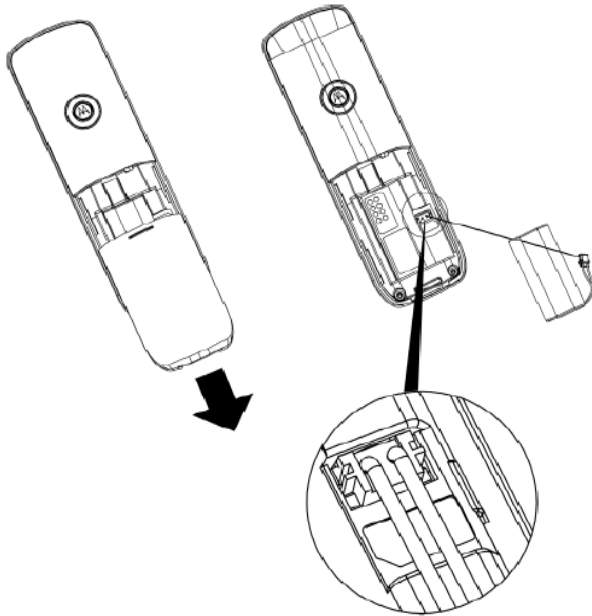
The power adapter with the red crystal DC plug is for the base unit and the power adapter with the small round DC plug is for the cordless charger unit.

### 1.1 Connecting the base



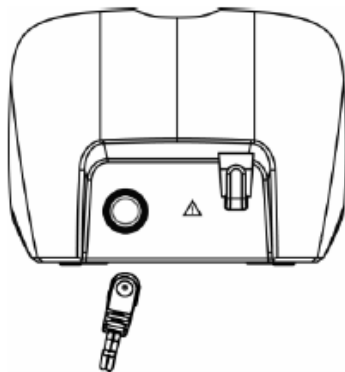
1. Plug the power adapter and the telephone line cord into the base. The power adapter with the larger pin is for the charger (only in multi-handset packs).
2. Plug the other end of the power adapter into a power outlet and the telephone line cord into a telephone wall jack.
3. Use only the provided power adapter..

## 1.2 Installing and charging the cordless handset battery pack



1. Slide off the battery compartment cover to remove it. Place the supplied rechargeable battery pack in the battery compartment, and insert the plug of the battery pack into the socket, as shown.
2. Slide the battery compartment cover back on.
3. Put the handset on the base to charge for at least 11 hours. Once the charging is complete, the <Battery full icon> will indicate that the handset is fully charged.

## 1.3 Installing the cordless charger



1. Insert the small round DC plug of the power adapter into the cordless charger.
2. Insert the other end of the power adapter into the wall jack.
3. Use only the supplied power adapter.

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#### **1.4 Setting the display language**

1. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select **Settings**.
2. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select **LCD language**.
3. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select the desired language.
4. Press <MENU/SELECT> to save the setting.

#### **1.5 Setting date and time**

1. Press <MENU/SELECT> to select **Set date/time**.
2. Press <MENU/SELECT> and then use the keypad to edit the date (MM/DD/YY).
3. Press <VOL+> or <VOL-> to edit the value, and then press <MENU/SELECT> to move on to the next category.
4. Press <MENU/SELECT> and then use the keypad to edit the time (HH:MM --).
5. Press <VOL+> or <VOL-> to edit the value, and then press <MENU/SELECT> to move on to the next category.
6. Press <MENU/SELECT> to save the settings.

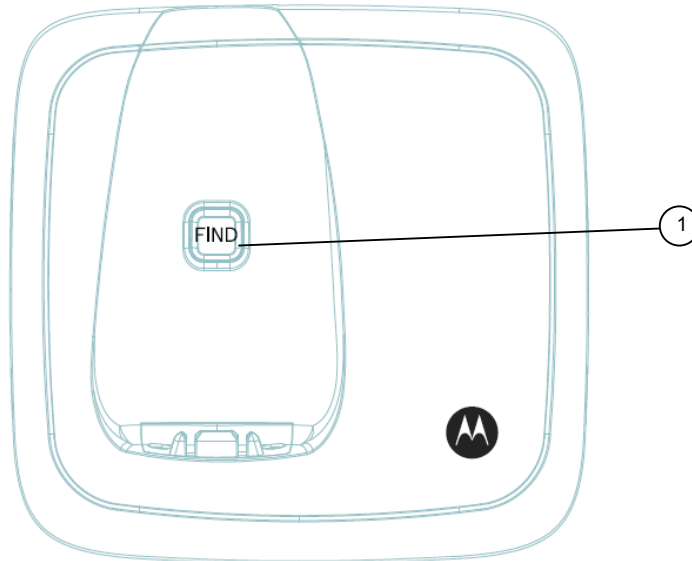
#### **NOTE**

If you have subscribed to your network provider's Caller ID service, date and time will be automatically set when a call is received.

**Your phone is now ready for use.**

## 2 GETTING TO KNOW YOUR PHONE

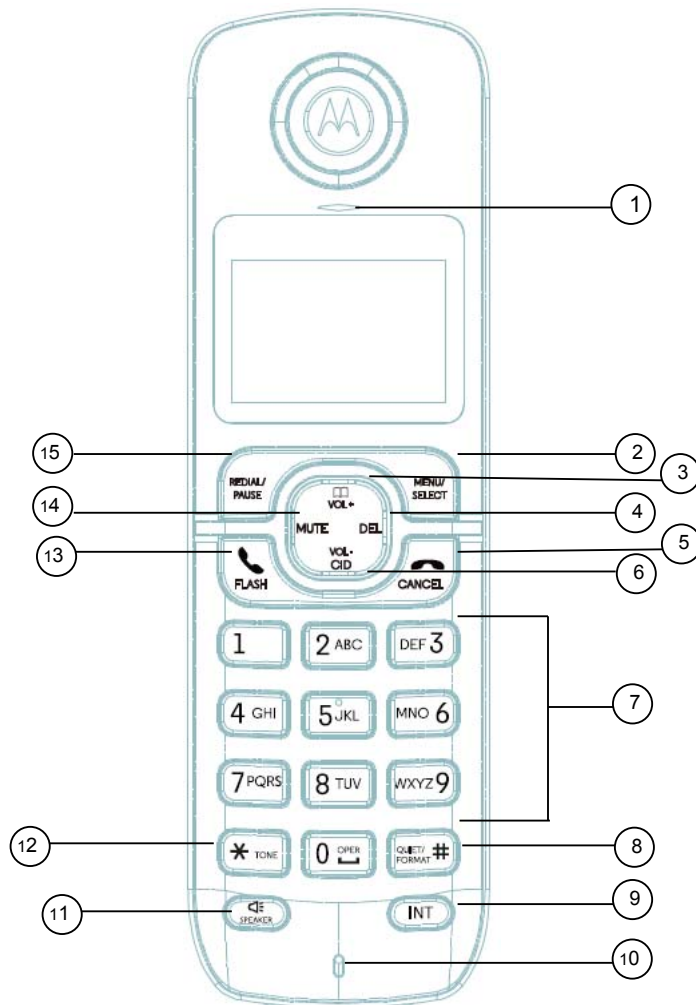
### Overview of your base



<b>1</b>	<b>FIND</b> Press to find/page all registered handsets. Press the button again, or any key on the handset, to turn off page signal.
----------	--



## Overview of your cordless handset











Get acquainted with the following 15 buttons on your handset and their multi-function tasks.

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<b>1</b>	<b>EARPIECE</b>
<b>2</b>	<b>MENU/ SELECT</b> a) In idle mode: Press to access menu list. b) In menu/editing mode: Press to confirm and save the settings. c) During a home call: Press to transfer the call to another handset. d) In calls list entry: Press to save the entry to the directory. e) In directory entry: Press to go to sub-menus of directory.
<b>3</b>	<b>SCROLL UP/VOLUME UP/DIRECTORY</b> a) In menu mode: Press to scroll up. b) During a call: Press to increase the volume. c) Calls list/directory/redial list: Press to scroll up the list. d) In answering machine message playing mode: Press to increase the volume. e) In idle mode: Press to access the directory.
<b>4</b>	<b>DEL</b> a) In pre-dial/editing mode: Press to delete one character/digit. b) In pre-dial/editing mode: Press and hold to delete all characters/digits. c) In editing mode: Press to move the cursor to the right.
<b>5</b>	<b>BACK/CANCEL</b> a) In menu mode/calls list/directory: Press to exit to the previous menu level. b) In menu/pre-dial mode/calls list/directory: Press and hold to go back to idle screen.
<b>6</b>	<b>SCROLL DOWN/VOLUME DOWN/CALLS LIST</b> a) In idle mode/during a call: Press to access calls list. b) In menu mode: Press to scroll down. c) During a call: Press to decrease the volume. d) Calls list/directory/redial list: Press to scroll down the list. e) In answering machine message playing mode: press to decrease the volume.
<b>7</b>	<b>ALPHANUMERIC KEYPAD</b> a) In idle/pre-dial/editing mode/during a call: Press to enter characters/numbers. b) In idle mode: Press and hold to activate speed dial (from <key 1> to <key 9>).
<b>8</b>	<b>#/ QUIET PAUSE/ ABC/ FORMAT</b> a) In idle: <u>Press and hold</u> to initiate enter the quiet mode setting. b) In name editing mode: Toggle ABC/abc format. Press and hold to insert a space. c) In calls list entry: Press to toggle the Caller ID display format among 7, 8, 10 and 11 digits when returning calls from Caller ID list. d) In directory entry: If the number is more than 15 digits, press to view the next page of remaining digits.
<b>9</b>	<b>INT</b> a) In pre-dial/number editing mode: Press to start an intercom conversation b) During a call: Press to start an intercom conversation
<b>10</b>	<b>MICROPHONE</b>
<b>11</b>	<b>SPEAKER</b> a) In idle/pre-dial mode: Press to make a home call with speakerphone. b) During a call: Press to toggle between the speakerphone and the earpiece. c) Calls list/directory/redial list: Press to make a home call to the selected entry with speakerphone. d) During ringing: Press to answer a call with speakerphone.
<b>12</b>	<b>*/ TONE</b> a) In idle/pre-dial/editing mode: Press to insert a "***". b) During a call: Press to switch from pulse to tone dialing temporarily if pulse mode was selected before. After the call has been ended, the dial mode will change back to pulse automatically. c) In directory entry: If the number is more than 15 digits, press to view the previous page of remaining digits.
<b>13</b>	<b>TALK/FLASH</b> a) In idle/pre-dial mode: Press to make a call with earpiece. b) Calls list/directory/redial list: Press to make a call to the selected entry with earpiece. c) During ringing: Press to answer call. d) During a call: Press to end the call. e) Incoming call during a call: Press to answer the second incoming call.
<b>14</b>	<b>MUTE</b> ad) During a call: Press to mute or end mute the call. c) In editing mode: Press to move the cursor to the left.
<b>15</b>	<b>REDIAL/ PAUSE</b> a) In idle mode: Press to access the redial list. b) In idle/pre-dial/number editing mode/during a call: Press to insert a "#", press and hold to insert a pause (P).

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## Cordless handset LCD display icons

	Full battery power level.
	2/3 battery power level.
	1/3 battery power level.
	Flashes when low battery level is detected and the handset needs to be charged.
	Internal bars cycling indicates the battery is charging.
	The speakerphone is in use.
	The handset ringer is turned off.
	There are new voicemail received from the telephone service provider.
<b>ECO</b>	The ECO mode activates automatically to reduce power consumption when the handset is within range from the telephone base.
<b>NEW</b>	On when a new call has been received.

## 3 USING THE PHONE

### 3.1 Making a call

1. Enter the phone number and then press <TALK/FLASH> or <SPEAKER> to dial the phone number.

### 3.2 Speed dial calling

1. In idle mode, press and hold a key from <1> to <9> until the number is displayed and dialed.

### 3.3 Answering a call

1. Press <TALK/FLASH> or <SPEAKER> to answer the incoming home call.

### 3.4 Ending a call

1. During a home call, press <TALK/FLASH> or put the cordless handset on the charger.

### 3.5 Adjusting volume

1. During a call, press <VOL+> or <VOL-> to adjust the volume.

### 3.6 Muting a call

1. During a call, press <MUTE> to mute the microphone and "**Muted**" will be displayed on the screen. You can talk to someone else in the room without your caller hearing you.
2. Press <MUTE> again to resume the microphone.

### 3.7 Dialing from the redial list

1. Press <REDIAL/PAUSE> and then <VOL+> or <VOL-> to scroll and select the entry you want to redial.
2. Press <TALK/FLASH> or <SPEAKER> to dial the number.

### 3.8 Dialing from the calls list

1. Press <VOL-/CID> and then <VOL+> or <VOL-> to scroll and select the entry you want to dial.
2. Press <#/QUIET/FORMAT> to toggle the format of the dialing number.
3. Press <TALK/FLASH> or <SPEAKER> to dial the number.

### 3.9 Adding an entry to the directory

1. Press <DIRECTORY>.
2. Press <MENU/SELECT> and then <VOL+> or <VOL-> to scroll and select **Add contact**.
3. Press <MENU/SELECT> and then enter the name.
4. Press <MENU/SELECT> and then enter the number.
5. Press <MENU/SELECT> to save the entry.

#### NOTE

- Numbers can be up to 24 digits long and names up to 16 characters long. Entries are stored in alphabetical order.

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### 3.10 Storing a directory entry as a one touch number

1. Press <MENU/SELECT>, and then <MENU/SELECT> again to select **Directory**.
2. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select **Speed dial**.
3. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select the speed dial key from <KEY 2> to <KEY 9>, and <KEY 0>.
4. Press <MENU/SELECT> and then <VOL+> or <VOL-> to scroll to the entry you want.
5. Press <MENU/SELECT> to save the setting.

### 3.11 Dialing from the directory

1. Press <MENU/SELECT>, and then <MENU/SELECT> again to select **Directory**.
2. Press <VOL+> or <VOL-> to scroll and select the entry you want to dial. Or press <MENU/SELECT> to access directory from menu options.
3. Press <TALK/FLASH> or <SPEAKER> to dial the number.

#### **TIPS**

*Instead of scrolling to browse the directory entries, press the numeric key corresponding to the first letter of the entry you wish to locate. For example, pressing <KEY 2> will show the entries starting with A. Pressing <KEY 2> again will show the entries starting with B, etc.*

### 3.12 Caller ID

If you have subscribed to Caller ID service, and provided the identity of the caller is not withheld, the number of the caller will be displayed together with the date and time of the call (if provided by the network).

#### **NOTE**

- If the telephone number is not available for incoming calls, the handset will display UNAVAILABLE.
- If the incoming call is from a withheld telephone number, the handset will display PRIVATE.
- Information about incoming calls will vary by country and network operator. Some operators may charge the subscription for their Caller ID service.

#### 3.12.1 Caller ID Log (Calls List)

The calls list contains details of missed and received calls. Details include the date and time of the call. Entries are displayed in chronological order with the most recent call at the top of the list.

#### **NOTE**

- When the calls list is full, a new call will replace the oldest one in the list.
- Details of up to 30 calls may be stored in the cordless handset.
- If you receive more than one call from the same number, only the most recent call is stored in the calls list.  
When you have missed calls (incoming calls that you have not answered), the <NEW icon> will be displayed on the screen of the base and all cordless handsets registered to the base. If one cordless handset is used to view the calls list, the <NEW icon> on the other cordless handsets will still remain on (For multi-pack use only).

#### 3.12.2 Viewing the calls list

1. Press <VOL-/CID> to enter the calls list.
2. Press <VOL+> or <VOL-> to browse the calls list.

#### **NOTE**

- When reviewing an entry from the calls list, press <#/ ABC/PAUSE/FORMAT> repeatedly to display the number in different formats.

For example, if a caller number is displayed as 888-331-3383, the various formats will be:

```

331-3383
1-331-3383
888-331-3383
1-888-331-3383

```

You may choose the desired number format for local or long distance numbers before dialing or saving it into the directory.

- The <NEW icon> is removed once the new call has been viewed.

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### 3.12.3 Deleting the entire calls list

1. Press <VOL-/CID> to enter the calls list.
2. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select **Del all calls**.
3. Press <MENU/SELECT>.
4. Press <MENU/SELECT> to confirm. All entries will be deleted.

#### **NOTE**

You need to review a call before you delete the record from the calls list.

## 3.13 Personal Settings

### Menu Map

MAIN MENU	Directory	Caller ID log	Ringers	Set date/time	Settings
SUB MENU	Add contact Review Speed dial	Review Del all calls	Ringer volume Ringer tone		LCD language Key tone Home area code Dial mode

1. Press <MENU/SELECT>.
2. Press <VOL+> or <VOL-> to scroll through the menu.
3. Press <MENU/SELECT> to open sub-menus and/or save settings.
4. Press <BACK> to go back to previous menu level or cancel an action.

*If you do not press any button on the cordless handset for 30 seconds, the display will automatically return to standby. It will also return to standby when the handset is placed on the charger.*

### 3.14 Intercom

Use the intercom feature for conversations between two handsets. for this telephone base. You can register up to five handsets to the telephone base.

1. Press **INT** on your handset when not in use.
  - If you have only one handset, your handset displays **INT needs 2 HS**.
  - If you have two handsets, your handset displays **Calling HS X**.
  - If you have three or more handsets, your handset displays **Intercom to**. Use the dialing keys to enter a destination handset. Your handset displays **Calling HS X**.

The destination handset rings and its screen displays **HS X is calling**.

2. To answer the intercom call, press , , **INT** or any dialing key (**0-9, TONE** or **QUIET#**) on the destination handset. Both handsets now display **Intercom**.
3. To end the intercom call, press **OFF** or place the handset back in the telephone base or charger. Both handsets now display **Intercom ended**.

#### **NOTES**

- You can cancel the intercom call before it is answered by pressing **OFF** or **INT** on the originating handset.
- If the destination handset does not answer the intercom call within 100 seconds, is on a call or out of range, the originating handset displays **Unable to call** and returns to idle mode.
- Press **OFF** or **MUTE** on the destination handset to temporarily silence the intercom ringer.
- You can use four handsets on two pairs of intercom calls. For example, when four handsets are used on two pairs of intercom calls, use the fifth handset for an outside call.
- If there is an incoming call while the originating handset displays **Calling HS X**, the intercom request will be stopped and the handset displays **Incoming call**.

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### 3.14.1 Answer an incoming call during an intercom call

When you receive an outside call during an intercom call, there is an alert tone.

- To answer the outside call, press . The intercom call ends automatically.
- To end the intercom call without answering the outside call, press **OFF**. The telephone continues to ring. This feature allows you to make internal calls, transfer external home calls between the cordless handset and the base or other cordless handset extensions, and use the conference option.

### 3.14.2 Call transfer during intercom

Use the intercom feature to transfer an outside call to another system handset.

1. During a call, press **INT**.
  - If you have two handsets, the outside call is put on hold and your handset displays **Calling HS X**.
  - If you have three or more handsets, your handset displays **Intercom to**. Use the dialing keys to enter a handset number. The outside call is put on hold and your handset displays **Calling HS X**.

The destination handset rings and its screen displays **HS X is calling**.
2. To answer the intercom call on the destination handset, press , **INT** or any dialing key (**0-9**, **TONE** or **QUIET#**). The outside call is still on hold and both handsets now display **Intercom**. You can now have a private conversation with the destination handset.

#### NOTES

- To cancel the intercom call before it is answered, press **OFF**, or **INT** on your handset. You can cancel the intercom call before it is answered by pressing **OFF** or **INT** on the originating handset.
  - If the destination handset does not answer within 100 seconds, is in use, on a call or is out of range, the originating handset displays **Unable to call** and then reconnects to the outside call.
3. From this intercom call, you have the following options:
    - You can let the destination handset join you on the outside call in a three-way conversation. Press and hold **INT** on the originating handset.
    - You can transfer the call. Press **OFF**, or place your handset back in the telephone base or charger. Your handset displays **Transferred**. The destination handset is then connected to the outside call.
    - You can press **INT** to switch between the outside call (**Outside call** displays) and the intercom call (**Intercom** displays).
    - The destination handset can end the intercom call by pressing **OFF**, or by placing the handset back in the telephone base or charger. The outside call continues with the original system handset.

### 3.15 Setting the ringer volume

1. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select **Ringers**.
2. Press <MENU/SELECT> to select **Ringer volume**.
3. Press <MENU/SELECT> and then <VOL+> or <VOL-> to choose your desired ringer volume.
4. Press <MENU/SELECT> to save the setting.

### 3.16 Setting the ringer tone

1. Press <MENU/SELECT> and then <VOL+> or <VOL-> to select **Ringers**.
2. Press <MENU/SELECT> to select **Ringer tone**.
3. Press <MENU/SELECT> and then <VOL+> or <VOL-> to choose your desired ringer tone.
4. Press <MENU/SELECT> to save the setting.

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### 3.17 Setting the Quiet mode

You can turn on the quiet mode for a period of time (1-12 hours). During this period, all tones (except paging tone) are muted.

#### To set the duration and turn on the quiet mode:

1. Press and hold **<#/>QUIET/FORMAT** when the handset is not in use.
2. The handset displays **Quiet: \_\_ hours**. Use the dialing keys (**0-9**) to enter the desired duration (1-12).
3. Press **SELECT** to save. You hear a confirmation tone. The handset displays **Quiet mode on** and .

#### To turn off the quiet mode:

- Press and hold **<#/>QUIET/FORMAT** when the handset is not in use. The handset displays **Quiet mode off** briefly and then returns to idle.

### 3.18 Setting the LCD language

1. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Settings**.
2. Press **<MENU/SELECT>** to select **LCD language**.
3. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to choose your desired language for screen displays.
4. Press **<MENU/SELECT>** to save the setting.

### 3.19 Setting the key tone

You can turn the key tone on or off for each handset.

If you turn the key tone on, the handset beeps with each key press. If you turn the key tone off, there are no beeps when you press the handset keys.

1. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Settings**.
2. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Key tone**.
3. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Key tone:On** or **Key tone:Off**.
4. Press **<MENU/SELECT>** to save the setting.

### 3.20 Setting the home area code

If you dial local calls using only seven digits (area code not required), you can program your home area code so that when you receive a call within your local area, the telephone number is automatically stored in the caller ID log without the area code.

1. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Settings**.
2. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Home area code**.
3. Press **<MENU/SELECT>** and enter the area code.
4. Press **<MENU/SELECT>** to save the setting.

### 3.21 Setting the dial mode

The default dialing mode is suitable for your country and network operator. It is unlikely that you should need to change this setting unless advised to do so.

5. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Settings**.
6. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select to select **Dial mode**.
7. Press **<MENU/SELECT>** and then **<VOL+>** or **<VOL->** to select **Touch-tone** or **Pulse**.
8. Press **<MENU/SELECT>** to save the setting.

#### **NOTE**

If pulse mode is selected, press **<\*/TONE>** to switch from pulse to tone dialing temporarily when dialing out. After the call is ended, the dial mode will change back to pulse automatically.

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## 4 HELP

### ***The <Battery> icon is not scrolling when the cordless handset is placed on the charger***

- Handset not properly seated on the charger –readjust the handset on the charger.
- Dirty contact – clean the charge contacts by wiping with an alcohol moistened cloth.
- Battery is full –charging is not necessary at this time.

### ***No dial tone***

- If there is no base power, check the connections. Reset the phone by unplugging then plugging it back into an electrical outlet.
- If the cordless handset batteries are empty, recharge the battery pack for at least 24 hours.
- Move the cordless handset closer to the base.
- Be sure to use only the provided telephone cords.

### ***Poor audio quality***

- If the base is too close to electrical appliances, reinforced concrete walls, or metal door frames, move the base from these areas.

### ***No ring tone***

- The ringer may be off.
- The volume may need to be increased.

### ***Caller ID does not work***

- Check your subscription with your network operator.
- If you subscribe to high-speed internet service (Digital Subscriber Line – DSL) through your telephone lines, you must install a DSL filter between the telephone base and the telephone wall jack. The filter will prevent noise and caller ID problems caused by DSL interference. Please contact your DSL service provider for more information about DSL filters.

### ***A directory entry cannot be stored***

- The directory is full. Delete an entry to free memory.

### ***No display***

- Try recharging or replacing the rechargeable battery pack.
- Reset the base. Unplug the unit's electrical, then plug it back in.
- If the LED is not lit up, then try to unplug the unit's electrical power, and then plug it back in.

### ***If the handset disconnects from the base during a phone call***

- Check that the power cord is connected properly into the base.
- Check that the power adapter is connected properly into the electrical outlet.
- Move the cordless handset closer to the base. It may be out of range.
- Reset the base by unplugging the unit's electrical power.
- Reset the cordless handset by unplugging and re-plugging its battery pack. Wait for around 15 seconds and re-plug the power again. Allow up to one minute for the cordless handset to synchronize with the registered base again.

### ***Noise interference on your radio or television***

- Your base or cordless charger may be too close. Move it as far away as possible.



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## 5 GENERAL INFORMATION

### If your product is not working properly...

1. Read this User's Guide.
2. Visit our website: [www.motorola.com](http://www.motorola.com)
3. Contact Customer Service in the US and Canada at 1-888-331-3383.

To order a replacement battery pack, contact customer service or visit our website.

### Important safety instructions

Follow these safety precautions when using your phone to reduce the risk of fire, electric shock, and injury to persons or property:

1. Keep all vents and openings of the phone unblocked. Do not set the phone on a heating register or over a radiator. Ensure that proper ventilation is provided at the installation site.
2. Do not use while wet or while standing in water.
3. Do not use this product near water (for example, near a bath tub, kitchen sink, or swimming pool).
4. Do not allow anything to rest on the power cord. Place the power cord so that it will not be walked on.
5. Never insert objects of any kind into the product vents as that may result in fire or electric shock.
6. Unplug this product from the electrical outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
7. Do not disassemble this product. If service or repair work is required, contact the customer service helpline found in this User's Guide.
8. Do not overload wall outlets and extension cords.
9. Avoid using during an electrical storm. Use a surge protector to protect the equipment.
10. Do not use this phone to report a gas leak, especially if you are in the vicinity of the gas line.

### CAUTION

*To reduce the risk of fire, use only No. 26 AWG or larger UL Listed or CSA Certified Telecommunication Line Cord.*

### Unplug this cordless phone immediately from an outlet if:

- The power cord or plug is damaged or frayed.
- Liquid has been spilled on the product.
- The product has been exposed to rain or water. Do not retrieve the handset or base until after you have unplugged the power and phone from the wall. Then retrieve the unit by the unplugged cords.
- The product has been dropped or the cabinet has been damaged.
- The product exhibits a distinct change in performance.

### Installation Guidelines

1. Read all instructions and save them for future reference.
2. Follow all warnings and instructions marked on the product.
3. Do not install this product near a bath tub, sink, or shower.
4. Operate this phone using only the power source that is indicated on the marking label. If you are unsure of the power supply to your home, consult with your dealer or local power company.
5. Do not place this product on an unstable cart, stand, or table. This product may fall, causing serious damage to the product.
6. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work to restore the product to normal operation.
7. Clean this product with a soft, damp cloth. Do not use chemicals or cleaning agents to clean this phone.
8. Use only the power supply that came with this unit. Using other power supplies may damage the unit.
9. Because this phone operates on electricity, you should have at least one phone in your home that operates without electricity in case of a power outage.
10. To avoid interference to nearby appliances, do not place the base of the phone on or near a TV, microwave oven, or VCR.

### CAUTION

*To maintain compliance with the FCC's RF exposure guidelines, place the base unit at least 20 cm from nearby persons.*

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### **Battery Safety Instructions**

- Do not burn, disassemble, mutilate, or puncture the battery. The battery contains toxic materials that could be released, resulting in injury.

#### **CAUTION**

*There is a risk of explosion if you replace the battery with an incorrect battery type. Use only the battery pack that came with your phone or an authorized replacement recommended by the manufacturer.*

- Keep battery packs out of the reach of children.
- Remove battery packs if storing over 30 days.
- Do not dispose of battery packs in fire, which could result in explosion.
- The rechargeable battery packs that power this product must be disposed of properly and may need to be recycled. Refer to your battery label for battery type. Contact your local recycling center for proper disposal methods.

### **SAVE THESE INSTRUCTIONS**

### **Consumer Products and Accessories Limited Warranty ("Warranty")**

Thank you for purchasing this Motorola branded product manufactured under license by Binatone Electronics International LTD ("BINATONE").

#### **What Does this Warranty Cover?**

Subject to the exclusions contained below, BINATONE warrants that this Motorola branded product ("Product") or certified accessory ("Accessory") sold for use with this product that it manufactured to be free from defects in materials and workmanship under normal consumer usage for the period outlined below. This Warranty is your exclusive warranty and is not transferable.

#### **Who is covered?**

This Warranty extends only to the first consumer purchaser, and is not transferable.

#### **What will BINATONE do?**

BINATONE or its authorized distributor at its option and within a commercially reasonable time, will at no charge repair or replace any Products or Accessories that does not conform to this Warranty. We may use functionally equivalent reconditioned/ refurbished/ pre-owned or new Products, Accessories or parts.

#### **What Other Limitations Are There?**

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR OR REPLACEMENT PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OF IMPLIED. IN NO EVENT SHALL MOTOROLA OR BINATONE BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR ACCESSORY, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights that vary from one jurisdiction to another.

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<b>Products Covered</b>	<b>Length of Coverage</b>
<b>Consumer Products</b>	<b>One (1) year from the date of the products original purchase by the first consumer purchaser of the product.</b>
<b>Consumer Accessories</b>	<b>Ninety (90) days from the date of the accessories original purchase by the first consumer purchaser of the product.</b>
<b>Consumer Products and Accessories that are Repaired or Replaced</b>	<b>The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.</b>

### **Exclusions**

**Normal Wear and Tear.** Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

**Batteries.** Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this Warranty.

**Abuse & Misuse.** Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of MOTOROLA or BINATONE are excluded from coverage.

**Use of Non-Motorola branded Products and Accessories.** Defects or damage that result from the use of Non-Motorola branded or certified Products or Accessories or other peripheral equipment are excluded from coverage. Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than MOTOROLA, BINATONE or its authorized service centers, are excluded from coverage.

**Altered Products.** Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage.

**Communication Services.** Defects, damages, or the failure of Products or Accessories due to any communication service or signal you may subscribe to or use with the Products or Accessories is excluded from coverage.

### ***How to Obtain Warranty Service or Other Information?***

To obtain service or information, please call:

#### **US and Canada: 1-888-331-3383**

You will receive instructions on how to ship the Products or Accessories at your expense and risk, to a BINATONE Authorized Repair Center.

To obtain service, you must include: (a) the Product or Accessory; (b) the original proof of purchase (receipt) which includes the date, place and seller of the Product; (c) if a warranty card was included in your box, a completed warranty card showing the serial number of the Product; (d) a written description of the problem; and, most importantly; (e) your address and telephone number.

These terms and conditions constitute the complete warranty agreement between you and BINATONE regarding the Products or Accessories purchased by you, and supersede any prior agreement or representations, including representations made in any literature publications or promotional materials issued by BINATONE or representations made by any agent employee or staff of BINATONE, that may have been made in connection with the said purchase.

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## FCC, ACTA and IC regulations

### FCC Part 15

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the Federal Communications Commission (FCC) rules. These requirements are intended to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Privacy of communications may not be ensured when using this telephone.

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The handset may be safely held against the ear of the user. The telephone base shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20 cm (8 inches) or more.

This Class B digital apparatus complies with Canadian ICES-003.

### FCC Part 68 and ACTA

This equipment complies with Part 68 of the FCC rules and with technical requirements adopted by the Administrative Council for Terminal Attachments (ACTA). The label on the back or bottom of this equipment contains, among other things, a product identifier in the format US: AAAEQ##TXXXX. This identifier must be provided to your local telephone company upon request.

The plug and jack used to connect this equipment to premises wiring and the telephone network must comply with applicable Part 68 rules and technical requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. An RJ11 jack should normally be used for connecting to a single line and an RJ14 jack for two lines. See Installation Instructions in the User's Guide.

The Ringer Equivalence Number (REN) is used to determine how many devices you may connect to your telephone line and still have them ring when you are called. The REN for this product is encoded as the 6th and 7th characters following the US: in the product identifier (e.g., if ## is 03, the REN is 0.3). In most, but not all areas, the sum of all RENs should be five (5.0) or less. For more information, please contact your local telephone company.

This equipment may not be used with Party Lines. If you have specially wired alarm dialing equipment connected to your telephone line, ensure the connection of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

If this equipment is malfunctioning, it must be unplugged from the modular jack until the problem has been corrected.

Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents. For repair procedures, follow the instructions outlined under the Limited Warranty.

If this equipment is causing harm to the telephone network, the telephone company may temporarily discontinue your telephone service. The telephone company is required to notify you before interrupting service. If advance notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem and the telephone company is required to inform you of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. The telephone company is required to notify you if such changes are planned.

If this product is equipped with a corded or cordless handset, it is hearing aid compatible.

If this product has memory dialing locations, you may choose to store emergency telephone numbers (e.g., police, fire, medical) in these locations. If you do store or test emergency numbers, please:

- Remain on the line and briefly explain the reason for the call before hanging up.
- Perform such activities in off-peak hours, such as early morning or late evening.

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### Industry Canada

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met.

The Ringer Equivalence Number (REN) for this terminal equipment is 0.5. The REN is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five. This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

## 6 TECHNICAL SPECIFICATIONS

<b>RF frequency band</b>	1921.536 MHz - 1928.448 MHz
<b>Channels</b>	5
<b>Operating temperature</b>	5°C to 45°C
<b>Base voltage</b>	Output: 6VDC , 400mA
<b>Cordless handset voltage</b>	2.4V 400mAh Ni-MH battery pack
<b>Charger voltage</b>	Output: 6VDC , 100mA



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