

Setting the Language

Action

- 1 Press MENU (⏏).
- 2 Scroll to Language and press SELECT (⏏).
- 3 Press ⬇ until ► points to the language you want to set.
- 4 Press DONE (⏏).
- 5 Press EXIT (⏏) to return to the standby screen, or ⬇ to scroll to a different menu option.

Setting Touch Tone or Pulse Dialing

Your phone is set to touch tone dialing. Do not change this setting unless touch tone service is not available in your area.

Action

- 1 Press MENU (⏏).
- 2 Scroll to Tone/Pulse.
- 3 Press ⬇ or CHANGE (⏏) to switch between Tone and Pulse.
- 4 Press DONE (⏏).
- 5 Press EXIT (⏏) to return to the standby screen, or ⬇ to scroll to a different menu option.

Using the Handset

See page 2 for an illustration of the handset.

Making a Call

Press ON. When you hear the dial tone, dial the number.

or

Enter the phone number, then press ON. This lets you see the phone number on the display before the number is dialed.

During a call, a timer on the display shows the amount of time on the call.

When you are finished talking, press OFF to hang up.

Press ON or Handsfree to answer using the speakerphone.

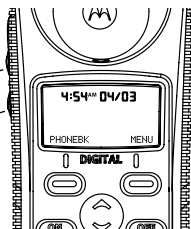
If you have call waiting service, press ON to answer the second call.

Adjusting the Volume During a Call

Press to make
caller's voice

Louder


Softer



When you are not on a call, use the volume keys to change the day (6 am–9 pm) or night (9 pm–6 am) ringer volume. The time of day as set on the phone determines whether you are adjusting the day or night volume. To set the time, see page 26.

Making a Call Using the Speakerphone

Press Handsfree and dial the number. For optimal speakerphone sound quality, make sure the belt clip is on. This raises the handset up so it is not lying flat (the speakerphone is on the back of the handset).

When the speakerphone on the handset is on,  appears on the display.

When you are finished talking, press OFF to hang up and turn the speakerphone off.

Note: Pressing Handsfree while in the caller ID list, redial list, or phonebook turns the speakerphone on and dials the number.

Press Handsfree.

If you have call waiting service, press ON to answer the second call.

Adjusting the Speakerphone Volume

Press the volume up or volume down key (see page 28).

Switching Between the Handset and Speakerphone

Press Handsfree.

Muting a Call

Press **MUTE** (⏸). To unmute the call, press **UNMUTE** (⏸).

Putting a Call on Hold

Press **HOLD** (⏸).

To return to the call, press **UNHOLD** (⏸) or **ON**.



When a call is on hold, you can use the intercom features (see page 41).

Redialing a Number

To redial the most recently dialed number:

Action
1 Press ON .
2 Press Redial .

To redial one of the last 5 numbers you dialed:

Action
1 Press Redial .
2 Press  until  points to the number you want to redial.
3 Press Dial (⏸) or ON or Handsfree .

If a number in the redial list matches a number in your phonebook, the phonebook name and number display in the redial list instead of just the phone number.

Finding a Lost or Misplaced Handset

Press PAGE on the base station.

All handsets registered to the base station will start beeping.

Press Off, EXIT (⏏), or OK (⏏) on a handset to stop paging that handset, or press PAGE on the base station to stop paging all handsets.

Saving a Number in the Phonebook








Storing numbers in the phonebook makes it easy to dial numbers you call frequently. You can enter numbers directly into the phonebook or add them from the caller ID or redial list.

Each handset has its own phonebook. The phonebook can hold 50 names and numbers.

Action

- 1 Press PHONEBK (⏏).
- 2 Scroll to (New Entry) and press SELECT (⏏).
- 3 Enter the name (up to 12 characters). Press DELETE (⏏) to backspace and erase characters to the left of the blinking cursor. See page 26 for information on entering text.
- 4 Scroll down (⏏).
- 5 Enter the phone number (up to 24 digits). Press DELETE (⏏) to backspace and erase characters to the left of the blinking cursor.
- 6 Press DONE (⏏).

To store a recently called number in the phonebook:

Action	
1	Press Redial. The display shows the last 5 numbers you dialed, with the most recent number at the top.
2	Press  until  points to the number you want to save.
3	Press STORE ().
4	Enter the name (up to 12 characters). Press DELETE () to backspace and erase characters to the left of the blinking cursor. See page 26 for information on entering text.
5	Scroll down ().
6	The phone number displays in the Number: field. To modify the number, press DELETE () to backspace and erase characters to the left of the blinking cursor.
7	When the phone number is correct as you want to store it, press DONE ().

Note: You can also store a number in the phonebook from the caller ID list (see page 36).

Calling a Number from the Phonebook

Action

- 1 Press **PHONEBK** (☎).
- 2 Press (⬇) until ▶ points to the entry you want to call.
- 3 Press **ON** or **Handsfree**.

Editing a Phonebook Entry

Action

- 1 Press **PHONEBK** (☎).
- 2 Press (⬇) until ▶ points to the entry you want to edit.
- 3 Press **OPTIONS** (☎).
- 4 Scroll to **Edit** and press **SELECT** (☎).
- 5 To modify the name, press **DELETE** (☎) to backspace and erase characters to the left of the blinking cursor. See page 26 for information on entering text.
- 6 Scroll down (⬇) to move to the phone number field.
- 7 Modify the number.
- 8 Press **DONE** (☎).

Deleting a Phonebook Entry

Action	
1	Press PHONEBK (☎).
2	Press ⏻ until ▶ points to the entry you want to delete.
3	Press OPTIONS (☎).
4	Scroll to Delete and press SELECT (☎).

Inserting Pauses in a Number

At the position where you want to insert a pause, press and hold # until P appears. When you call a number with a pause, the phone waits 3 seconds before transmitting the next digits in the dialing sequence. This is useful, for example, when you have to dial 9 to get a dial tone or for going into a voicemail system.

Using Caller ID



Note: You must subscribe to caller ID service from your local telephone company to use the caller ID features of your phone.



If you subscribe to caller ID service, the caller's name and/or number are displayed when you receive an incoming call. If no caller ID information was sent from the phone company, or you do not subscribe to caller ID service, the display shows *Incoming Call*.

Reviewing the List of Caller ID Calls

The handset can hold up to 40 caller ID records.

Action

- 1 Press  to enter the recent calls list. The most recent call is listed first.
- 2 Press  to review more calls.
- 3 To call the number, press ON or Handsfree.

To reformat the number before you call it, press **FORMAT** () until the correct format displays. For example, if a number you want to call is stored with the area code (10 digits), but you do not use the area code to call this number, press **FORMAT** () until the number appears without the area code (7 digits). For information on dialing formats, see page 24.





Store a Caller ID Number in the Phonebook

Action	
1	From the caller ID list, press OPTIONS (⏏).
2	Scroll to STORE and press SELECT (⏏).
3	The caller's name displays in the Name: field. You can modify the name before storing it.
4	When the name is correct as you want to store it, press ⏴ to scroll down.
5	The caller's phone number displays in the Number: field. You can modify the number before storing it.
6	Press FORMAT (⏏) to change the dialing format of the number (7-digit, 10-digit, or 11-digit).
7	When number is correct as you want to store it, press DONE (⏏).

Note: To modify the name or number before storing it, press **DELETE** (⏏) to backspace and erase characters to the left of the blinking cursor. Then use the keypad to enter the name or number. See page 26 for information on entering text.

Deleting Caller ID Calls

Action

- 1 From the caller ID list, press **OPTIONS** ().
- 2 Scroll to **Delete** (to delete the current caller ID entry) or **Delete All** (to delete all caller ID calls) and press **SELECT** ().
Note: If deleting all calls, press **YES** () at the **Delete All?** prompt.
- 3 Press **BACK** () to return to the caller ID list.

Multihandset Functions

The following multihandset functions require at least 2 (up to 4) MD400 Series handsets registered to the base station.

You can expand your MD450 Series phone system by adding cordless handsets (up to a total of 4 handsets). Expansion handsets do not require connection to a phone line. You can place the handset and its charging base anywhere a standard electrical outlet is available.

With multiple handsets, you can:

- Conference call
- Talk handset to handset on the intercom
- Set up handsets to automatically answer intercom calls
- Transfer calls from one handset to another
- Monitor a room
- Use 2 handsets as walkie talkies

To order MD450 Series expansion handsets, call:

1-800-353-2729 USA

1-888-390-6456 TTY (Text Telephone)

On the Web:

www.motorola.com/cordless

Conference Calling

If one handset is already on a call, the display on other handsets registered to the same base station shows **Line in use**.

Once a second handset is added to the call, the displays on all handsets shows **On conference**. A maximum of 2 handsets can be on a conference call at the same time.







Action
1 To connect a second handset to a call, press ON or Handsfree on the second handset.
2 To disconnect from the conference call, press OFF on either or both handsets.

- 1 To connect a second handset to a call, press ON or Handsfree on the second handset.
- 2 To disconnect from the conference call, press OFF on either or both handsets.

Using the Intercom






Intercom Setup

You can set up a handset so it automatically answers an intercom page after 1 or 3 rings. All handsets are set to No Auto Answer at the factory. Perform the following procedure on each handset to change this setting.



Action	
1	Press MENU( .
2	Scroll to Intercom Setup and press SELECT ( .
3	Scroll to one of the answering options and press SELECT (): <div> <p>No Auto Answer - the handset will not automatically answer an intercom page.</p> <p>After 1 Ring or After 3 Rings - the handset will automatically answer and turn on the speakerphone after 1 or 3 rings.</p> </div>
4	Press SELECT ( .
5	Press EXIT() to return to the standby screen, or  to scroll to a different menu option.

Handset to Handset Intercom

Action

- 1 Press Intercom.
- 2 From the list of handsets, press  until  points to the handset you want to page, or to **Select All** to page all handsets.
Note: If there are only 2 handsets registered to the base, pressing the Intercom button will automatically page the other handset.
- 3 Press **PAGE** ().
- 4 To answer the page, press **OK** (). The first handset to respond is connected.
If no one answers the page after 2 minutes, or if the person you are paging presses **EXIT** () or **OFF**, **No Answer** displays on your handset and paging stops.
- 5 When someone answers the page, talk into the handset.
- 6 To end the intercom session, press **OFF**.

To turn the speakerphone on or off, press **Handsfree**.

To mute or unmute the sound, press **MUTE** () or **UNMUTE** ().

Transferring a Call from One Handset to Another

Unannounced Transfer

Action
1 Press HOLD (⏸).
2 Press Intercom.
3 Scroll to the handset you want to transfer the call to and press PAGE (⏮).
Note: If there are only 2 handsets registered to the base, pressing the Intercom button will automatically page the other handset.
4 Press OFF to hang up. The call is transferred to the other handset.

Announced Transfer

Action
1 Follow steps 1 through 3 above.
2 To answer the page on the other handset, press OK (⏹).
3 Tell the person on the other handset that you are transferring a call, then press UNHOLD (⏸). The call is transferred to the other handset and all three individuals are on the call.
4 Press OFF (⏸) to hang up the second handset.

Using the Handset as a Walkie Talkie

The walkie talkie feature lets you talk handset to handset even when the handsets are out of range from the base station. When a handset is in walkie talkie mode, you cannot make or receive phone calls. You must complete steps 1 and 2 for both handsets to use walkie-talkie mode.

Action
1 Press MENU (⏏).
2 Scroll to Walkie Talkie and press SELECT (⏏).
3 Press Intercom on one of the handsets.
4 Press the number on the handset keypad that corresponds to the handset you want to use walkie talkie with. For example, if the handset you want to talk to is named Kitchen(2), press 2 on the keypad.
5 To answer the page on the other handset, press OK (⏏).
6 To end the walkie talkie session, press EXIT (⏏) on either handset.

Monitoring a Room

Room monitoring allows you to place a handset in a room and listen to the sounds in that room from another handset.

Action
1 Place a handset in the room to be monitored.
2 On that handset, press MENU (≡).
3 Scroll to Monitor Room and press SELECT (≡). The display shows Ready to monitor room.
4 On the handset you want to listen from, press Intercom. The display lists the handsets registered to the base station. Note: If there are only 2 handsets registered to the base, pressing the Intercom button will automatically page the other handset.
5 Scroll to the handset you set up monitoring on and press PAGE (≡).

The handset that was set up for monitoring automatically answers the page. The microphone on that handset is turned on, and the speaker is turned off. The handset you are monitoring from shows Monitoring (*handset name*).

To turn off monitoring, press CANCEL (≡) or OFF on either handset.

Note: If you answer an incoming call, monitoring is turned off.

Deregistering a Handset

Deregister a handset if you no longer want to use it, or if you want to register it to another digital MD450 Series base station.

Action
1 Press MENU (≡).
2 Scroll DeRegister and press SELECT (≡).
3 At the Deregister Handset? prompt, press YES (≡).

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer two-way radios that operate via Family Radio Service or General Mobile Radio Service ("Products"), Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMS or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Consumer Two-Way Radio Accessories	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

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 limited 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, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software 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, 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 housings, or parts, are excluded from coverage.

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

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

Who is Covered?

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Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled.

To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

USA	Phones 1-800-331-6456 Pagers 1-800-548-9954 Two-Way Radios and Messaging Devices 1-800-353-2729
Canada	All Products 1-800-461-4575
TTY	1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

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