



MOTOROLA

*Quick Reference Card
On Back Cover*




LS350

USER GUIDE

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Congratulations on purchasing an LS350 pager. Your new pager provides exciting capabilities in messaging and can become a vital part of your business and personal life. This compact pager combines messaging and time keeping functions in a package that is convenient to carry.

If your LS350 has the  symbol, it uses FLEX™ technology. The Motorola FLEX protocol-based pagers offer extended battery life and improved paging reliability.

To fully understand the features this pager offers, please take a few minutes to read this user's guide.

This user's guide also includes a detachable quick reference card on the back cover.



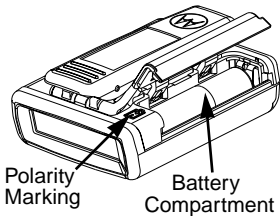
Effective Use of Your Pager

Your pager can help you keep in contact with everyone important to you. By giving your pager number to your business associates, family, and friends, you can be contacted whenever needed.

If you have a cellular phone, give your pager number instead of your cellular number. Then you can decide who to call back on your cellular phone without paying for incoming calls.

Battery Information

Your pager operates with one AAA-size alkaline battery (carbon zinc batteries are not recommended).



Installing/Replacing the Battery

- ❶ Turn the pager off. Refer to “Turning Your Pager Off” on page 6.
- ❷ Locate the battery door on the back of the pager.
- ❸ Slide the battery door in the direction of the arrow to unlatch the battery door.
- ❹ Lift the battery door up to open.
- ❺ Remove the old battery, noting the polarity.
- ❻ Position the new battery so the + and - markings on the battery match the polarity diagram next to the battery compartment.
- ❼ Close the battery door.
- ❽ Slide the door until it is fully closed.

Note: Check your pager's clock time after replacing the battery.



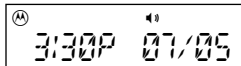
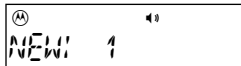
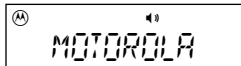



Control Buttons



- Menu Used to access pager menus and to turn on the backlight.
- Read Used to turn the pager on, read messages, and navigate through menus.
- ✓ Select Used to select pager settings and features. Also used to read additional screens of messages.

Turning Your Pager On



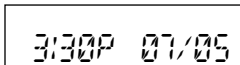
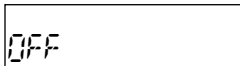
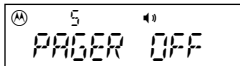
- 1 Press . The start-up screens are displayed and your pager activates the power on chime (when in audible mode).
- 2 Press any button to stop the alert.

The unread message (home) screen is displayed.

When your pager is on and no activity is taking place, the Standby screen is displayed. The Standby screen displays the time and date and may display other status indicators.



Turning Your Pager Off



- 1 From the Standby screen, press **●** twice.
- 2 Press and release **●** until *PAGER OFF* is displayed, then press **✓**.

OFF is displayed momentarily before the pager shuts off, and **AA** is removed from the display.

The off screen displays the time and date, and if the alarm is set, the alarm indicator.

Sending a Test Page to Yourself

After you have read this guide and your pager has been activated by your service provider, send yourself a test page. Refer to “Functionality and Use of Your Pager” on page 34.



Backlight

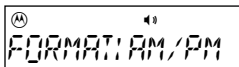
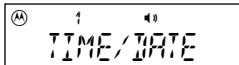
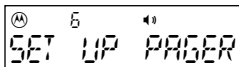
In low-light conditions, press and hold ● for 2 seconds to turn on the pager's backlight. The backlight turns off automatically after the pager returns to the Standby screen.

Setting up Your Pager

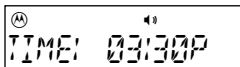
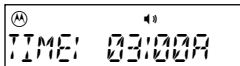
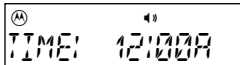
This section gives instructions for setting the time and date. Access to this feature is obtained through the Setup Pager menu.





Setting the Time and Date





- 1 From the Standby screen, press **●** twice.
- 2 Press and release **●** until *SET UP PAGER* is displayed.
- 3 Press **✓**.
TIME/DATE is displayed.
- 4 Press **✓**.
FORMAT:AM/PM or *FORMAT:24HR* is displayed.



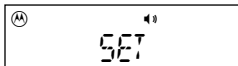
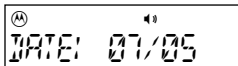
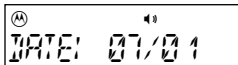
- ⑤ Press and release  until your choice of *FORMAT:AM/PM* (for AM/PM time), or *FORMAT:24HR* (for 24-hour time) is displayed, then press .

The screen used to set the time is displayed with the hour digit flashing.





- ⑥ Press  until the correct hour is displayed, then press .
- ⑦ Repeat Step 6 to set the minutes and AM/PM fields (if AM/PM time was selected above).



TIME AND DATE



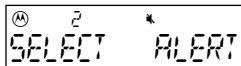
After the time has been set, the screen used to set the date is displayed.

- ⑧ Press and release  until the correct month is displayed, then press .
- ⑨ Press and release  until the correct day is displayed, then press .

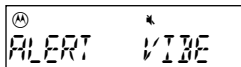
SET is displayed momentarily.

Selecting the Incoming Message Alert

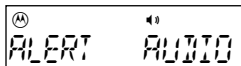
You can set your pager's incoming message alert to a vibration alert or you can select one of the musical alerts.



- 1 From the Standby screen, press **•** twice.
- 2 Press and release **•** until *SELECT ALERT* is displayed, then press **✓**.

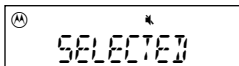


The current alert setting is displayed.



- 3 Press **•** until your choice of *ALERT AUDIO* or *ALERT VIBE* is displayed.

Note: If *ALERT AUDIO* is selected, the pager automatically goes into the set-audio alert mode, refer to “Alert Audio” on page 12.

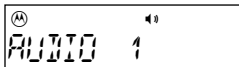


- ④ When the desired alert is displayed, press \checkmark . The pager gives a sample of your selection.

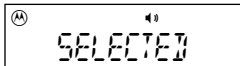
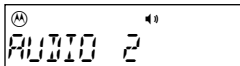
SELECTED is displayed momentarily.




Alert Audio

The Alert Audio feature allows you to select one of the musical alerts.




When Alert Audio is selected in the Select Alert feature the previously selected alert is displayed and sampled.



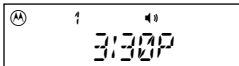
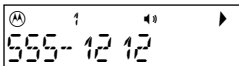
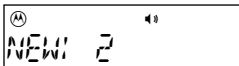
- ❶ Press and release  until your choice of musical alert is displayed. The pager gives a sample of each alert as you scroll through the choices.
- ❷ Press  to select the alert.
SELECTED is displayed and the pager gives a sample of the alert.
- ❸ Press  to stop the alert.







Messages

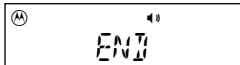
Your pager can receive up to 30 messages. When a message is received, your pager alerts according to the current alert setting and  flashes.

Reading New Messages



- 1 Press  to stop the alert and display the number of new messages.
- 2 Press  again to display the first unread message. When  is present, it indicates that the message continues on an additional screen.
- 3 Press  to display the next screen of your message.

The next screen of your message, typically the time stamp, is displayed.



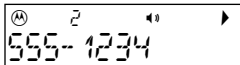
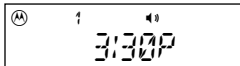
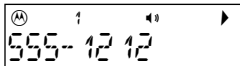
- 4 Repeat Steps 2 and 3 to read the next message.


END is displayed after the very last message is displayed.

To exit from any screen while reading your messages, press ●, *GO HOME* is displayed, then press ✓. The number of unread (new) messages is displayed before the pager returns to the Standby mode.







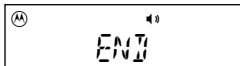
Reading Stored Messages



- 1 From the Standby screen, press  twice. The first screen of the first stored message is displayed.

Note: If no messages are stored, *NO MESSAGES* is displayed.

- 2 Press  to display the second screen of your message. If you want to view the first screen again, press  again.
- 3 Press  to display the next stored message. If you want to display just the first screen of your messages, continue to press and release .



After you have viewed all stored messages, **END** is displayed.



Note: To exit from any screen while reading your messages, press ●, **GO HOME** is displayed, then press ✓. The number of unread messages is displayed before the pager returns to the Standby mode.

Saving Messages

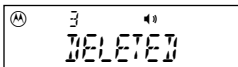
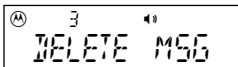
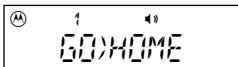
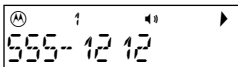
You can save important messages by moving them to the Message Folder. For information about moving, reading, and deleting messages in the folder, refer to “Message Folder” on page 20.



Deleting Messages

Messages that you no longer want can be deleted one at a time or all at once (delete all). Unread messages and messages that have been moved to the message folder are not deleted.

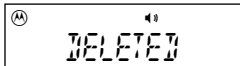
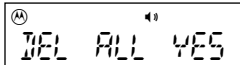
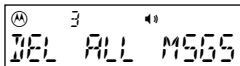
Deleting a Single Message



- 1 Display the message you want to delete.
- 2 Press ●.
GO HOME is displayed.
- 3 Press ● until DELETE MSG is displayed.
- 4 Press ✓.
DELETED is displayed.

Deleting All Messages

This feature allows you to delete all previously read messages at one time. Unread messages and messages stored in the message folder are not deleted with this feature.



- 1 From the Standby screen, press **•** twice.
- 2 Press and release **•** until **DEL ALL MSGS** is displayed, then press **✓**.

DEL ALL YES is displayed.

- 3 Press **✓**.
DELETED is displayed. All messages except unread messages and those in the message folder are deleted.

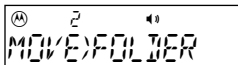
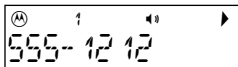


Message Folder

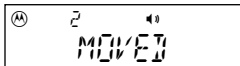
You can prevent important messages from being deleted, or from being overwritten by new messages, by moving them into the folder. Messages moved into the folder retain their original time stamp. Up to 15 messages can be moved into the folder. *MEM FULL* is displayed if you try to move a message into the folder when there is not enough storage space left.

Moving a Message into the Folder

Note: Messages can only be moved one at a time into the folder.



- 1 With the message displayed, press ●.
- 2 Press and release ● until *MOVE)FOLDER* is displayed.



- ③ Press ✓.

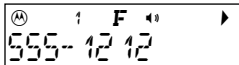
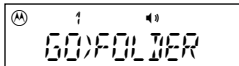
MOVED is displayed indicating the message has been moved to the folder and the pager returns to the read-message mode.

Note: After messages are moved to the folder, they can not be moved back into the personal message area. They can only be read or deleted.

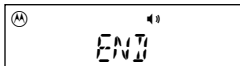
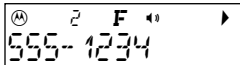






Reading Messages in the Folder





- ❶ From the Standby screen, press **•** twice. *GO)FOLDER* is displayed.
- ❷ Press **✓** to display the first screen of your message.
Note: If no messages are stored in the folder, *NO MESSAGES* is displayed.
- ❸ Press **✓** to display the second screen of your message. If you want to view the first screen again, press **✓** again.



- 4 Press  to display the next stored message. If you want to display just the first screen of your messages, continue to press and release .

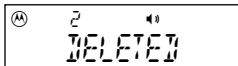
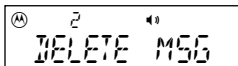
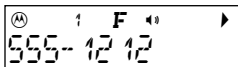
After you have viewed all messages stored in the folder, *END* is displayed.

Note: To exit from any screen while reading your messages, press , *GOHOME* is displayed, then press . The number of unread (new) messages is displayed before the pager returns to the Standby mode.



Deleting Messages from the Folder

Note: Messages in the folder can only be deleted one at a time.



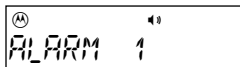
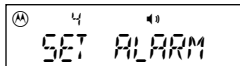
- 1 With the message displayed, press ●.
- 2 Press and release ● until *DELETE MSG* is displayed.
- 3 Press ✓.
DELETED is displayed.

Alarm

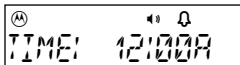
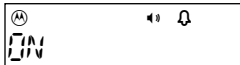
Your pager has an alarm that can be set for one time on a specific date, a specific time daily, or a specific time weekly. At the selected alarm time, your pager alerts with the same alert as the incoming message alert.



Setting the Alarm



- ❶ From the Standby screen, press ● twice.
- ❷ Press and release ● until SET ALARM is displayed.
- ❸ Press ✓.
ALARM 1 is displayed.



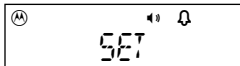
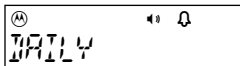
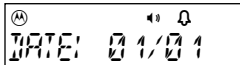
- ④ Press ✓.

ON or OFF is displayed.



- ⑤ Press and release ● until ON is displayed, then press ✓.

The screen used to set the alarm time is displayed.


- ⑥ Set the alarm time by following the steps in “Setting the Time and Date” on page 8.




When you have finished setting the alarm time, the screen used to set the alarm date is displayed.

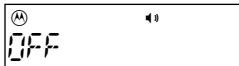
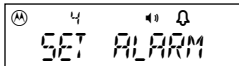
- ⑦ Enter the alarm date by following the steps in “Setting the Time and Date” on page 8.
- ⑧ When you have finished setting the alarm date, press and release  until your choice of 1 *TIME*, *DAILY*, or *WEEKLY* is displayed.
- ⑨ Press .
SET is displayed momentarily.








At the alarm time, your pager alerts, *ALARM 1* is displayed, and the  indicator flashes. Press any button to remove the alarm indication.

Note: If the alarm is set for Weekly or Daily, the  indicator stays on the display.

Turning Off a Daily or Weekly Alarm



- 1 From the Standby screen, press  twice.
- 2 Press and release  until *SET ALARM* is displayed, then press  twice.
- 3 Press and release  until *OFF* is displayed, then press .

The *TIME* screen is displayed momentarily.

Connect Function

The menu selection *CONNECT* is intended for use by service personnel only. When selected, an alternating pattern of *IC* *CI* is displayed. To exit this screen, press any button twice and the pager restarts.

Message and Pager Indicators

Your pager has several indicators to inform you of the status of your messages and your pager.


Duplicate Message

When a new message is received that is identical to one already stored, the older message is overwritten by the new one. *DUPLICATE* is displayed before the new message and new time stamp.

Errored Data

When a message is received that might contain errors, the characters likely to be in error flash when the message is read.

Alarm


The alarm icon  is displayed when the alarm is set and flashes during the alarm alert.

Memory Full

When the pager memory is full, for example, all message locations are occupied, *MEM FULL* is displayed in the Standby screen until a button is pressed. When this occurs, delete your old unwanted messages to make room for newer messages. *MEM FULL* is also displayed if you try to move a message into the message folder when there is not enough storage space left.

Note: If you don't delete any old messages, the pager automatically deletes the oldest read message to make room for the new message.

Low Battery

When the voltage of the pager's battery drops below a certain level,  is displayed on all screens, even when the pager is off. The low-battery condition is displayed until the battery is replaced.

Note: Check your pager's clock time after replacing the battery.

Belt Clip

Your pager has a removable belt clip. To remove and replace the belt clip, follow the instructions below.

Removing the Belt Clip

- ➊ Insert the pointed end of a non-metallic item (such as a pen cap) into the top end of the belt clip as shown in the illustration.
- ➋ Push down on the tab and slide belt clip forward to separate it from the pager.

Push down on tab
to release
belt clip



Replacing the Belt Clip

- ➊ Align the belt clip with the belt clip holder.
- ➋ Slide the belt clip into the holder until it snaps back into place.

Cleaning Your Pager

To clean smudges and grime from the exterior of your pager, use a soft, non-abrasive cloth moistened in a mild soap and water solution. Use a second cloth moistened in clean water to wipe the surface clean. Do not immerse in water. Do not use alcohol or other cleaning solutions.

Care And Maintenance

The LS350 pager is durable, reliable, and can provide years of dependable service; however, it is a precision electronic product. Water and moisture, excessive heat, and extreme shock may damage the pager. Do not expose your pager to these conditions. If repair is required, the Motorola Service Organization, staffed with specially trained technicians, offers repair and maintenance facilities throughout the world.

You can protect your pager purchase with an optional extended warranty covering parts and labor. For more information about warranties, please contact either your paging service provider, retailer, or Motorola, Inc. at 1-800-548-9954. For repairs, call Motorola, Inc. at 1-800-548-9954 in the U.S. or 1-800-323-9685 in Canada. In the U.S., to contact Motorola, Inc. on your TTY, call 1-800-793-7834.

Functionality and Use of Your Pager

For questions pertaining to the functions and use of your Motorola pager please visit our web site at www.motorola.com/pagers or in the U.S. call 1-800-548-9954 or 1-800-793-7834 (TTY). For questions pertaining to your paging service, contact your paging service provider.

Patent Information

This pager is manufactured under one or more Motorola U.S. Patents. A partial listing of these patents is provided on the inside surface of the battery door. Other patents covering this product are pending.

Note: Patent numbers listed below with an asterisk (*) apply only to the pager models which utilize the POCSAG protocol.

4336524*	4385295*	4412217*	4518961*	4701759*	4755816*	4829466*
4839628*	4851829*	4893271*	4910510*	5073767*	5157391*	5381138*
5247519*	4860003	5051993	5117500	5128665	5168493	5311516
5325088	5371737	5414419	5450071			

Regulatory Agency Compliance

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed 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.

NOTES

NOTES

ONE (1) YEAR STANDARD LIMITED WARRANTY AND PROVISIONS (U.S.A. ONLY)

Motorola warrants the pager against defects in material and workmanship under normal use and service for the period of time specified below. This express warranty is extended by Motorola, 1500 Gateway Blvd., Boynton Beach, Florida 33426 to the original end user purchaser only and is not assignable or transferable to any other party.

This warranty sets forth the full extent of MOTOROLA's responsibilities regarding the pager. Repair, replacement, or refund of the purchase price, at MOTOROLA's option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE DURATION CHOSEN. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE MOTOROLA PAGER, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

Motorola pagers are shipped from the factory with a standard limited warranty of one (1) year on parts and labor from date of purchase by the original end user purchaser, based on proof of purchase. In the event of a defect, malfunction, or failure to conform to specifications during the warranty period, Motorola, at its option, will either repair, replace or refund the purchase price of the pager. Repair, at Motorola's option, may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Replaced parts and boards are warranted for the balance of the original warranty period.

(continued)

LIMITED WARRANTY AND PROVISIONS (U.S.A. ONLY) continued

All parts and boards removed in the replacement process shall become the property of Motorola. This warranty does not cover defects, malfunctions, performance failures or damages to the unit resulting from use in other than its normal and customary manner, misuse, accident or neglect, the use of non-conforming parts, or improper alterations or repairs. This warranty does not cover wear and tear on covers or housings, nor the coverage or range over which the pager will receive signals.

For information on how to receive service on Motorola pagers or covered accessories, call 1-800-548-9954 or 1-800-793-7834 (TTY).

Pager warranty will be VOID if any of the following conditions occur:

- Pagers that are incomplete such as those in which boards or components are missing and/or incompatible.
- Pagers whose serial numbers do not match on the boards, or pagers in which the board serial numbers don't match the housing.
- Pagers that have been opened by, or had work performed by, anyone other than a Motorola authorized pager service center.
- Pagers received with non-conforming or non-Motorola housings or parts.

Flat rate repair fees apply to pagers and accessories not covered under warranty.

STATE LAW RIGHTS

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, THEREFORE THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Personal Numbers

Use the spaces provided below to write down your pager and personal identification number (PIN), and the number of your service provider. Additional spaces have been provided to write down the pager and PIN of your family and friends.

Service Provider

Family and Friends

Pager Number and PIN

Pager Number and PIN


LS350

A04 Models



Tested To Comply
With FCC Standards

FOR HOME OR OFFICE USE

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Reg. U.S. Pat. & Tm. Off.

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Personal Communications Sector

1500 Gateway Blvd.,

Boynton Beach, FL 33426-8292

Printed in U.S.A. 4/99



6881031B55-B

LS350 Quick Reference Card

Control Buttons

- Read
- ✓ Select
- Menu

Indicators and Icons

- Ⓜ Pager is on. When flashing, indicates an unread message.
- ▶ Message Continuation Indicator
- 🔊 Audio Alert Mode Indicator
- 🔊 Vibrate Mode Indicator
- 🔔 Alarm is Set, flashes during the alarm alert
- 📶 Out of Range Indicator
- 🔋 Low Battery Indicator
- F Message Folder

Turning Your Pager On



Press ●.

Turning Your Pager Off




- 1 From the Standby screen, press ● twice.
- 2 Press and release ● until *PAGER OFF* is displayed, then press ✓.

Setting the Time and Date




- 1 From the Standby screen, press ● twice.
- 2 Press and release ● until *SET UP PAGER* is displayed.
- 3 Press ✓ twice.
- 4 Press and release ● for AM/PM or 24-hour format, then press ✓.
- 5 Press ● until the correct hour digit is displayed, then press ✓.
- 6 Repeat step 5 to set the minutes and AM/PM fields (if applicable).

- ⑦ Press and release  until the correct month is displayed, then press . Repeat this step to set the day.








Moving Messages to the Folder

- ① With the message displayed, press .
- ② Press and release  until *MOVE>FOLDER* is displayed, then press .

Reading Messages in the Folder

- ① From the Standby screen, press  twice.
- ② Press  to display the first message.
- ③ Press  to display the next message. Repeat this step to display all messages in the folder.

Setting the Alarm

- ① From the Standby screen, press  twice.
- ② Press and release  until *SET ALARM* is displayed, then press  twice.
- ③ Press and release  until *ON* is displayed, then press .
- ④ Press  until the correct hour digit is displayed, then press .
- ⑤ Repeat Step 4 to set the minutes, the AM/PM fields, the date, and to choose a one time, daily, or weekly alarm.