



User's Guide



personal communicator

Model V100
GSM900/1800 MHz

Motorola V100 Personal Communicator Quick Reference Card

Control Buttons

- Press and hold to turn on or off.
- Accept and end a call, setting, or option.
- Reject or cancel a call, setting, option, and to return to the previous screen. In text mode, deletes the previous character. Press to enter Quick Access menu.
- Scroll through messages and text, and increase and decrease volume.
- Press to read a message.
- Press to write a message.
- Used to enter numbers 0 - 9. Press once for single number, press twice for multiple numbers. Press twice to stop entering numbers.
- Press once to capitalise a letter. Press twice for continuous capitalisation, press twice again to stop capitalisation.

- Smart Button. Answers, makes, and end calls. Press to go to Phone Book, and recall a number using Voice Tags.
- Located on outside of communicator. Press to answer and end a call.
- Press to record VoiceNotes, press again to stop recording.

Sending an SMS Message

1. Press , type your message, press .
2. Enter the phone number or select the phone number from the phone book, then follow the prompts given by your communicator.
3. When the phone number is displayed, press .

Mobile Internet Session

During a mobile internet session, the functions of the and buttons change. To access an option that is displayed on the bottom right-hand of your screen, press . To access an option that is

Quick Reference Card

Quick Reference Card

displayed in the bottom middle of the screen, . When you want to go to a previous screen, press .

Making a Call

Note: Use your headset and use to adjust the volume. Press to go to Phone Book, or use Voice Tags, select the number, press .

Note: Press and release to remove the last character, press and hold to remove multiple characters.

Ending a Call

Press or .

Receiving a Call

Note: Use your headset and to adjust the volume.

Press to answer the call.

Note: When communicator is closed or in the holster, press to answer a call and to end a call.

SIM Card and Battery Installation

1. Remove the battery cover.
2. Align the SIM card so the notch in the card lines up with the notch in the recess, insert card.
3. Align the battery contacts with the contacts in the battery compartment. Press down on the battery until it clicks into place.
4. Replace the battery cover.

Note: If the SIM card is inserted incorrectly, "Check Card" is displayed. Remove the SIM card and re-insert it. If the card does not work, contact your service provider.

Charging your Battery

Charge the battery by inserting the adapter plug into the port on your communicator and plugging the adapter into a wall outlet.



Introduction

Congratulations! You are now the proud owner of a Motorola V100 Personal Communicator. Your Personal Communicator combines advanced calling and messaging capabilities in a small compact unit that is stylish, easy to use, and will look great on you when you wear it with the holster.



Your Personal Communicator provides cool and exciting ways to keep in contact with your family, special friends, and your mates. Just review this user guide carefully and you will be ready to start using your new Personal Communicator.

A detachable Quick Reference Card is included with this guide.

Personalised Control

You can setup your Personal Communicator to access important messages, phone numbers, and features quickly. You can even answer calls with the push of a button. When you are performing routine tasks, your Personal Communicator provides prompts and messages that assist you with the next task or confirms your selection.

- You can add nine of your most used features in your Quick Access menu so you can get to them with a couple of presses of a button.
- Voice Tags lets you add voice activated commands to call your phone book entries. You can also add voice commands to select Quick Access options.

- With voice notes, you can record notes to yourself or record parts of a call. (**Note:** use of this feature is subject to varying state, federal, and country laws regarding privacy of phone conversations.)
- The  button lets you display your book entries quickly.
- When your Personal Communicator is closed or in the holster, press , on the outside of your Personal Communicator, to answer a call quickly and easily.
- With VibraCall® alert, your Personal Communicator vibrates when you get new messages or calls to avoid disturbing others or when in a noisy environment.
- You can personalise the menus by choosing the features you want readily available and storing the ones you use less frequently out of sight.

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Personal Communications Sector

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Safety Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION
READ THIS INFORMATION BEFORE USING YOUR PERSONAL COMMUNICATOR

The information provided in this document supercedes the general safety information contained in user guides published prior to July 2000. For information regarding radio use in a hazardous atmosphere please refer to the Factory Mutual (FM) Approval Manual Supplement or Instruction Card, which is included with radio models that offer this capability.

RF Operational Characteristics

Your Personal Communicator contains a transmitter and a receiver. When it is ON, it receives and transmits radio frequency (RF) energy. The Personal Communicator operates in the frequency range of 900 MHz to 1900 MHz and employs digital modulation techniques.

When you communicate with your Personal Communicator, the system handling your call controls the power level at which your Personal Communicator transmits. The output power level typically may vary over a range from 0.063 watts to 1.58 watts.

Exposure To Radio Frequency Energy

Your Motorola V100 Personal Communicator is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations; 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- National Radiological Protection Board of the United Kingdom 1995
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999
- Australian Communications Authority Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard 1999 (applicable to wireless phones only)

To assure optimal Personal Communicator performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures:

PORTABLE PERSONAL COMMUNICATOR OPERATION AND EME EXPOSURE

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

DO NOT hold the antenna when the Personal Communicator is “IN USE.” Holding the antenna affects call quality and may cause the Personal Communicator to operate at a higher power level than needed.

Phone Operation

The communicator is designed to be used with a headset for talking and listening. When placing or receiving a phone call, you must use the headset and **speak directly into the microphone.**

Body-worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a Personal Communicator on your body when transmitting, always place the Personal Communicator in **a Motorola supplied or approved clip, holder, holster, case, or**

body harness. Use of non-Motorola-approved accessories may exceed FCC RF exposure guidelines. **If you do not use a body-worn accessory, ensure the antenna is at least one inch (2.5 cm) from your body when transmitting.**

Data Operation

When using any data feature of the Personal Communicator, with or without an accessory cable, **position the antenna of the Personal Communicator at least one inch (2.5 cm) from the body.**

Approved Accessories

For a list of approved Motorola accessories look in the accessory section of this manual.

ELECTROMAGNETIC INTERFERENCE/COMPATIBILITY

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

- **FACILITIES**

To avoid electromagnetic interference and/or compatibility conflicts, turn off your Personal Communicator in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

- **AIRCRAFT**

When instructed to do so, turn off your Personal Communicator when on board an aircraft. Any use of a Personal Communicator must be in accordance with applicable regulations per airline crew instructions.

- **MEDICAL DEVICES**

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, Wireless Technology Research.

Persons with pacemakers should:

- ALWAYS keep the Personal Communicator more than six inches (15 centimeters) from their pacemaker when the Personal Communicator is turned ON.
- Not carry the Personal Communicator in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the Personal Communicator OFF immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless Personal Communicators may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

SAFETY AND GENERAL

- **USE WHILE DRIVING**

Check the laws and regulations on the use of Personal Communicators in the area where you drive. Always obey them

When using your Personal Communicator while driving, please:

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

OPERATIONAL WARNINGS

- **FOR VEHICLES WITH AN AIR BAG**

Do not place a portable Personal Communicator in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If the Personal Communicator is placed in the air bag deployment area and the air bag inflates, the Personal Communicator may be propelled with great force and cause serious injury to occupants of the vehicle.

- **POTENTIALLY EXPLOSIVE ATMOSPHERES**

Turn off your Personal Communicator prior to entering any area with a potentially explosive atmosphere, unless it is a Personal Communicator type especially qualified for use in such areas as "Intrinsically Safe" (for example, Factory Mutual, CSA, or UL Approved). Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Important: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

- **BLASTING CAPS AND AREAS**

To avoid possible interference with blasting operations, turn off your Personal Communicator when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

OPERATIONAL CAUTIONS

- **ANTENNAS**

Do not use any portable Personal Communicator that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

- **BATTERIES**

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

European Union Directives Conformance Statement



This product is in conformance with the requirements of the applicable EU Council Directives. Declarations of Conformance with the requirements are located at:

Motorola Ltd.
Personal Communications Sector -
Europe, Middle East and Africa
Midpoint, Alençon Link
Basingstoke, Hampshire RG21 7PL
United Kingdom

APPROVED for connection to
telecommunications systems specified
in the instructions for use subject to
the conditions set out in them.

S/1357/4/V/503894



Getting Started

Installing the SIM Card and Battery

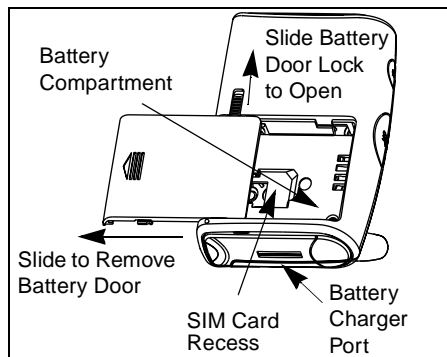
Before you can send or receive messages or calls, you need to install your SIM (Subscriber Identity Module) card and the battery. The SIM card that was supplied by your service provider contains your Personal Communicator's number, service details, and memory for storing numbers and messages.

Note: Some networks let you make emergency calls without a SIM card.

Note: Your SIM card can be used in someone else's personal Personal Communicator and you will be charged for the call, so keep it in a safe place. Do not bend or scratch it and do not expose it to static electricity or water.

SIM Card and Battery Installation

1. Remove the battery cover.
2. Slide the SIM card into the recess so that the notch in the card lines up with the notch in the recess.
3. Align the contacts on the battery with the contacts in the battery compartment and press downwards toward the contacts until the battery clicks into place.
4. Replace the battery cover.



Note: If the SIM card is inserted incorrectly, "Check Card" is displayed. Remove the SIM card and re-insert it. If the card does not work, contact your service provider.

Charging Your Battery:

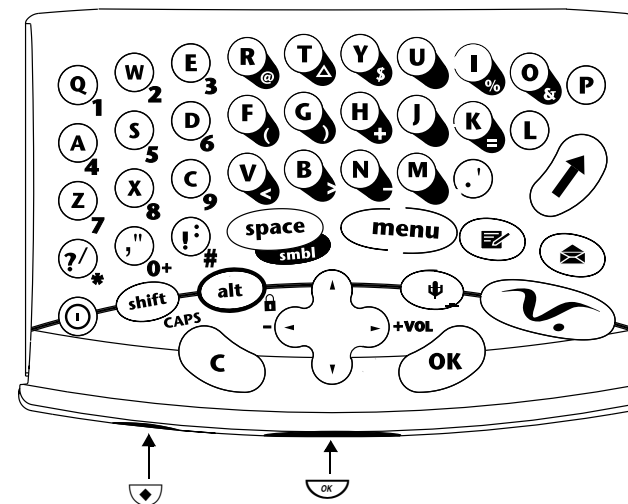
- Charge the battery by inserting the adapter plug into the port on your Personal Communicator and plugging the adapter into a wall outlet.
- Charge your battery at room temperature and never leave it in really hot, cold, or wet places.
- Charge only Motorola batteries in your Personal Communicator.



Getting Started

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Control Buttons



Getting Started

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- Press and hold to turn on or off.
- Press to accept and end a call, setting, or option.
- Used to reject or cancel a call, setting, option, and to return to the previous screen. When in text mode, press to delete the previous character.
- Press to enter the Quick Access menu.
- Press to access the Main Menu.
- Use to scroll through menus and text, and increase and decrease volume.
- Press to read a message.
- Press to write a message.
- (0 - 9) Press for ALT and 0 - 9 numbers.
- Press for symbols and additional characters.
- Smart Button. Use to access your Phone Book and make calls using Voice Tags.
- Press once to capitalise a letter. Press twice for continuous capitalisation, press twice to stop capitalisation.



Getting Started

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- When the communicator is closed, or in the holster, press to answer and end a call.
- Press to start and stop recording voice notes.
Note: use of this feature is subject to varying state, federal, and country laws regarding privacy of phone conversations.

The Display

- Displays text and numbers.
- Signal Strength. The more segments, the stronger the signal strength.
- A call is in progress or hanging up.
- Displayed when on a system other than your home system.
- Home Zone. Availability depends on your service provider.
- Displayed when a Short Message Service (SMS) message is received. Flashes when you have an unread SMS message, or your message storage area is full. (**Note:** SMS Messaging is a network and subscription dependent feature and may not be available in all areas.)
- Displayed when you have voice mail. Availability depends on your service provider.

Getting Started

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-  Call Ringer is On.
-  Battery Charge Indicator. The more segments, the stronger the charge.
-  Displayed when the Quick Access menu is open.
-  Menu item is currently selected.
- 12:00 Real Time Clock. Displays the time in either AM/PM or 24 hours.

Backlight

Your Personal Communicator's backlight turns on any time a button is pressed, and remains on during keyboard activity.


Note: Prolonged use of the backlight may shorten battery life.



Turning On Your V100 Personal Communicator

Press and hold  until your Personal Communicator vibrates or makes a sound.

Note: If the SIM card is not installed, your Personal Communicator displays a message to install one.

Entering Your SIM Card Personal Identification Number (PIN)

When prompted, enter your PIN and press .


- If you make a mistake, press and release  to remove the last character, or hold down  to remove multiple characters.





If you enter the wrong PIN, your Personal Communicator lets you know with a displayed message.

Note: If the correct PIN is not entered within three attempts, your Personal Communicator locks up. See "Change Unlock Code" on page 70.

Entering Your Unlock Code

When prompted, enter your unlock code, then .

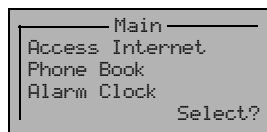


Note: If you forget your unlock code, press , enter your security code, enter a new unlock code, then press .

When a network name is displayed, it means your Personal Communicator is ready for use.

Turning Off Your Personal Communicator




Press and hold .



Main Menu Example

Tips on Using this Guide



The Main Menu

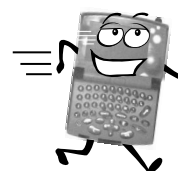
Your Personal Communicator's features are accessible through the Main Menu. Press  to display the Main Menu. To scroll through the Main Menu, use . Press  to enter a submenu.

Menu Navigation




Many of your Personal Communicator's features are accessed by using menus and submenus for selection, change, or cancellation. Please read this section carefully. When you understand the menu navigation, you will be able to access and change settings with ease.


Entering the Menus


-  - press to enter the Main Menu when your Personal Communicator is in the Standby mode.
-  - press to enter the Quick Access menu.




Getting Around in the Menus

-  - to scroll through menu selections.
-  - to enter the selected menu and to accept and confirm settings.
-  - to go to the previous screen without making changes. (When in text mode, use to backspace and delete characters.)

-  - indicates the current setting of a feature (usually on or off).

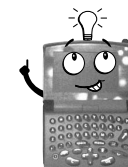
Note: When "View Options?" is displayed, a submenu exists for that menu selection. Press  to enter the submenu and to accept and confirm settings.

Exiting the Menus

-  - press and hold for 2 seconds to exit any menu or screen and return to the Standby screen.

Short and Extended Menus

As you become accustomed to the menus and features you use the most, you can select which menus you want readily accessible, and which ones to store out of view.



With extended menu, all features are always displayed. When you remove a feature from the short menu, it is not displayed until you choose to display it.

1. To move a feature from the short menu to the extended menu, highlight the feature then press and hold **OK** until a menu prompting a decision is displayed.
2. Select either to remove or keep it on the short menu, or to add it to the short menu or keep it in the extended menu.

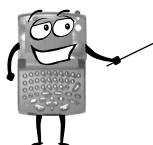
Note: If a feature cannot be moved to the short menu, your Personal Communicator will let you know with a message.

Note: To turn extended menus on or off, refer to "Extended Menus" on page 72.

How to Use the Control Buttons

The control buttons are represented as graphics which look like the buttons on your Personal Communicator. A sequence of button presses might be shown as: **menu** **OK** **C**.

This means that you would press **menu**, then **OK** and then **C** in sequence, not at the same time.



Prompts and Messages

Your Personal Communicator responds to button presses by displaying easy to understand prompts to guide you to the next action, or simple messages confirming that your action is complete.



Testing Your V100 Personal Communicator

It's a good idea to test your service by sending a Short Message Services (SMS) message or by calling a friend or family member, from your Personal Communicator. Start by using the phone number, web site, or email address (and a PIN, if required) your service provider gave you, then try making a call. When you reach a friend or family member, ask them to send a message to you or call you back.

Refer to the following sections for information about SMS messages and making and receiving calls. If your Personal Communicator does not send or receive messages or calls, contact your service provider. After you've tested your Personal Communicator, read the rest of this guide to learn about the many useful features of your new Personal Communicator.

Note: SMS messaging is a network and subscription dependent feature and may not be available in all areas.

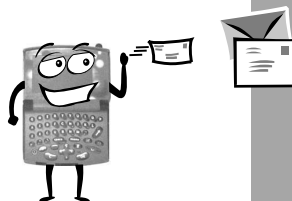
SMS Messaging

Your Personal Communicator can send and receive Short Message Services (SMS) messages of up to 160 characters that are sent by your service provider. These messages are transmitted for a limited amount of time. If a memory location is not available before the message is removed from the network, it is not stored.

Note: SMS messaging is a network and subscription feature and may not be available in all areas.

Sending an SMS Message

1. Press **msg**.
2. Type your message.
3. When your message is complete, press **OK**.
4. From the message editor, select to send the message, then press **OK**.
5. Choose from the menu selections to enter the phone number, then follow the prompts given by your Personal Communicator.
6. When the phone number you want to send your message to is displayed, press **OK**.



Entering Text

- To type a capital letter, press and release **shift**, then type the letter.
- To type multiple capital letters, press **shift shift**. To switch back to lowercase letters, press **shift shift** again.
- If you make a mistake while typing, press **C** to erase the previous character. To erase multiple characters, press and hold **C**. You can use **+** to move to a character or line to make a correction.
- To enter special characters, refer to "Special Characters" on page 88.

Entering Numbers in Text Mode

- To type a single number, press **alt** then type the number.
- To type a series of numbers, press **alt alt**. To stop entering numbers, press **alt alt** again.




Storing an SMS Message

1. Press **msg** and type your message.
2. Press **OK**.
3. Select the store option, then press **OK**. Your message is automatically stored in the Outgoing Message folder.





Receiving and Reading an SMS Message

Cool...I got a message! Before long you'll be getting a lot of messages.

When a SMS message is received, your Personal Communicator alerts, displays  and stores the message. The  flashes until the message is read. If there is not enough memory to store the message the  flashes after you read the message. One or more

messages must be deleted before the message can be stored.

1. Press  to read the message.
2. Select your view options for the message and press .
3. You can reply to the message, store it, or delete it.

Note: If you send and receive a lot of SMS messages, battery life could be shortened.






Sending Email Messages

Contact your service provider to find out if this option is supported and to get the email server number.

1. Type the email address followed by either a space or a number sign (#), then type the message text. For example, to send a "Hello" message to email address "abc123@isp.com" type **abc123:isp.com#Hello**.


Note: Depending on your service provider, you may need to use a space in place of the number sign (#) between the address and the email text.



2. When your message is complete, press .
3. From the Message Editor, select to send the message, then press .
4. Choose Phone Number Entry, then enter the email server number.
5. When the email server number is displayed, press . Observe that "Sending" is displayed.

Note: If you get the "Unable to deliver message" error, return to the email address and try replacing the number sign (#) with a space, or vice versa.



Making a Call



Note: Don't forget to use your headset so you can hear your call. Use  to decrease or increase the volume level.

Note: You can press  to quickly go to your Phone Book, select the number you want to call, then press .

Enter the phone number, then press .

Note: If you make a mistake, press and release  to remove the last character, or hold down  to remove multiple characters.


International Phone Calls

1. Press and hold **0** (zero) until + is displayed.
2. Enter the country code, then the phone number. The country code follows the conventional format, 44 for the UK, 46 for Sweden, etc.

As for a conventional international call, remove the first "0" of the area code you dial.



GSM Emergency Calls

The world-wide GSM standard provides a single number, 112, to dial in cases of emergency. The emergency call is directed to a central operator. The call can be made without any security codes and, depending on the network, without a SIM card inserted.

To dial the GSM emergency number, press **112** .



Ending a Call


Press  or .


Redialling the Last Number Called from Standby Mode


Press   .

Receiving a Call





Note: Don't forget to use your headset so you can hear your call. Use  to decrease or increase the volume level.

Press  to answer the call.

Note: When your Personal Communicator is closed or in the holster, you can press , located on the outside of your Personal Communicator, to answer a call right away.

In-Call Menu

There are lots of things you can do during a call. To access the in-call menu, press  during a call, to exit the menu, press .

Note: Menu selections depend on the state of the call, the type and setting of your SIM card, and your subscription to these services. The following paragraphs explain all possible options.

Hold Call

You can place a current call on hold and accept an incoming call, or start a second call.

To Put an Active Call on Hold:

1. Press **menu** **OK**.
2. To reconnect, press **OK**.



Make a New Call

Select this option to put an active call on hold and make a call to someone else.

1. Press **menu**.
2. Select the make a new call option, enter the number, then press **OK**.
3. To end the new call and go back to your first call, press **menu** **OK**.

Turn Mute On or Off

Turns the microphone off during a call. Select again to turn the microphone back on.

Restrict My Number

You can keep your Personal Communicator's number a secret while you make a call.



End Active Call

When a call comes in while you are already on a call, you can end the active call.

1. Press **OK** to put the active call on hold.
2. Press **menu**, select the end active call option, then press **OK**.

Note: If you have a call on hold, it becomes your active call.

Reconnect

Use to go back to a call that's on hold.

Reconnect Held Call

This is similar to Reconnect. If you have a call on hold, and a call waiting, select this option to connect with your held call.

End Held Call

Time to say bye to the person you put on hold.

1. Press **menu**.
2. Select End Held Call, then press **OK**.



End Current and Held Call

Select this to say bye to everyone.

Conference Calls

Let's have a phone party! If you have both Conference Call and Call Waiting, you can talk to up to 5 people at the same time.

Starting a Conference Call:

1. Call one of the people you want to conference with.
2. Place the active call on hold, dial another phone number, then press **OK**.
3. Press **menu** then select Conference Call.



Note: There may be times when your request is not successfully completed. Wait a little while, then try your call again.

To Add a Person to Your Conference Call:

1. Place the Conference Call on hold.
2. Add a new call by:
 - Entering the phone number.
 - Making a new call.
 - Recalling a Phone Book Entry.
 - Answering a Call Waiting.
3. Select In-Call then Conference Call to bring in the new call.



Transfer Calls

If you have both Conference Call and Call Waiting, you can transfer a call to another phone.

Initiating Transfer Call Before Third Party is Connected:

1. Press **menu** and select the transfer call option.
2. Enter the number to where you want the call transferred, then press **OK**. When the call is transferred, you are disconnected automatically.

Note: There may be times when a call transfer is not completed successfully. Please try again.

Initiating Transfer Call After the Third Party is Connected

Press **menu** and select the transfer call option. After the call is transferred, you are disconnected automatically.

Split Call

Want to share a secret or a private joke with someone? Split call allows you to separate a conference call member and have a private conversation with them.


Note: You cannot have any calls on hold to have a split call.

1. Press **menu** then select Split Call.
2. Press **+** until the phone number of the person you want to separate from the conference call is displayed, press **OK**. You can now talk privately to the person.



3. To re-join both of you to the Conference Call, re-select Conference Call from the In-Call menu.

Reject Waiting Call

When you're too busy to talk, you can reject an incoming call by pressing and holding .



Voice Notes

With voice notes, you can record up to three minutes of voice messages for yourself or record part of a call. You can record when your Personal Communicator is idle, when you are on a single call, or when you are on an active call with a waiting call.

Note: Use of this feature is subject to varying state, federal, and county laws regarding privacy of phone conversations.



Recording a Voice Note

1. To start recording, press .
2. To stop recording, press  again.

Notes:

- When recording a call, both parties are recorded and the other party hears a tone every 10 seconds.
- Recording stops automatically if you accept or make a call.



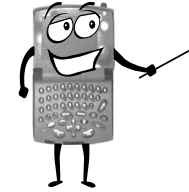
- While recording, your Personal Communicator alerts you at ten seconds, and again at one second before recording capacity is reached. If you do not stop, recording automatically stops.

To listen to your voice note, select voice notes from the Messages menu.

Voice Activation

With Voice Activation you can dial a phone number or access a feature with a single spoken command called a Voice Tag.

You can assign up to 25 Voice Tags to Phone Book numbers and up to 9 Quick Access features.




Notes:

- You cannot assign Voice Tags to numbers in your SIM card memory.
- For best results, make sure there is no background noise and speak in a clear, natural voice when recording.
- Your Personal Communicator can record two seconds for each Voice Tag.
- You cannot record Voice Tags if you have selected to prevent access to phone memory, see "Prevent Access" on page 50.



Adding Voice Tags for Phone Book Entries

You can have up to 25 Phone Book Voice Tags, and add a new Voice Tag when you set up a Phone Book entry.

Add Voice Tag


When you add an entry to your Personal Numbers list, your Personal Communicator asks you if you want to add a Voice Tag. If you don't want to add a Voice Tag, press .

To Add a Voice Tag:

1. Press .
- Note:** If there are already 25 Phone Book Voice Tags in your Personal Communicator, you need to delete one before you can add another.
2. When prompted by the Personal Communicator, press  and record after the tone.
3. When recording is successful, your Personal Communicator returns to the Add To Phone Memory menu.


Note: If the recording is not successful, the Personal Communicator prompts you to record again.

Add or Edit Voice Tag:



If an entry has a Voice Tag,  is shown before the location number.

1. Find the entry either by name or location.



2. Press , then select to add or edit the Voice Tag.
3. To add the Voice Tag, follow the steps in "Add Voice Tag" above.

Delete Voice Tag:





1. Find the entry either by name or location, see "Personal Numbers" on page 48.
2. Press , select the delete option, then press  again.







Using Voice Activation with Phone Book Entries

You can easily access phone book entries that have Voice Tags assigned to them.

Voice Activation from the Standby Mode:

1. Press . When prompted, say the Voice Tag name. The Personal Communicator highlights the matching entry in your phone book list. If there is no matching entry, the Personal Communicator highlights an alternate entry in the list.
2. Press  to make the call,  to select a different entry, or  to cancel.

Voice Activation from the Phone Book Menu:

1. Select Voice dialling from the Phone Book menu.
2. When prompted, press .
3. When prompted, say the Voice Tag name. If a matching entry is found, the Personal Communicator highlights it or highlights an alternate entry in the list.
4. Press  to make the call,  to select a different entry, or  to cancel.

Access Internet

When you're on the go, you can still keep up with the latest news, sports scores, entertainment stories, check flight status, and much more. Access Internet is a network and subscription-dependent feature that offers mobile Internet access of Information Services and certain web sites using the Wireless Application Protocol (WAP). Contact your service provider for details about these services.

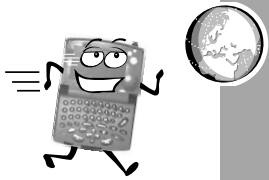
Mobile Internet Home Menu

Note: Your service provider determines the layout and information shown on your Personal Communicator.

After connection is made, your ISP's Home menu is displayed. A typical Home menu page might contain the name of your ISP and a list of options to select from.

1. Highlight the option menu you want, then press **OK**.
2. To return to the previous screen, press **C**.

If the text in a menu is too wide for the screen, the Personal Communicator uses two screens and repeats each half of the menu until you make a selection.



Internet Browser Menu

To display the browser menu:

1. Press and hold **menu** for at least 2 seconds.

Note: If you release **menu** too quickly, you might enter the menu for the currently highlighted option.

2. Scroll to the menu selection you want, then press **OK**.

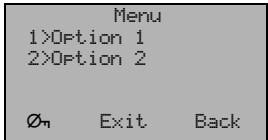
A typical browser menu might include:

- Help - provides help for the previously highlighted option.
- Home - returns you to your ISP's home page.
- Mark site - lets you add a site to your Bookmarks folder.
- Setup - contains the options to set up your ISP access.

Using the Soft Keys

During a mobile Internet session, the functions of the **menu** and **OK** buttons change to accommodate the current display. In the example display, to go back to the previous screen, you need to press **OK**, to quit and exit, you need to press **menu**.

When you want to go to a previous screen, press **C**.



Soft Keys Example

Mobile Internet Messages

Messages displayed in the bottom left portion of the screen indicate when activities such as receiving or sending data, connecting to the Internet, and Internet activities are being performed. A **Ø** indicates you are in a non-secure Internet location.

Note: Your ISP determines the icons and messages displayed on your Personal Communicator.

Entering or Editing Text Within a Mobile Internet Session

You can enter or edit text the same way you do for all other text functions. However, you can't access the non-Roman characters.

- For a single capital letter, press and release **shift**.
- For multiple capital letters, press **shift shift**. To switch back, press **shift shift** again.
- Press **C** to erase the previous character, press and hold for multiple characters.
- For a single number, press **alt** then type the number.
- For a series of numbers, press **alt alt**. To stop entering numbers, press **alt** again.



For Internet Access Text Character	~	€	^	[{]	}		\
Press alt space then press...	T	Y	D	F	FF	G	GG	M	?




Setting Up for Mobile Internet Access

Your service provider may set up your mobile Internet access for you. If not, you will need the following user information to set it up:

- **Primary Data Gateway:** the IP address to access the mobile Internet.
- **Phone Number:** the number your Personal Communicator calls to access the Internet. This is provided by your ISP.
- **User Name:** provided by your ISP.
- **User Password:** provided by your ISP.
- **Baud Rate:** this is likely to be 9600, the standard data rate for GSM phones.
- **Idle Time Out:** the amount of time the Personal Communicator waits before hanging up if it detects no Internet activity.
- **Line Type or Port:** modem or ISDN.
- **Connection Type:** non-transparent or transparent.

To set up your mobile Internet access:



1. From the browser menu, select Setup, then press .
2. Enter your user information by first selecting an item and choosing the softkey to edit it as necessary.
3. When you have entered all information, exit to the Standby Screen, turn your Personal Communicator off and then on again to register all information or changes.

Setting a Bookmark

You can set up bookmarks so you can quickly access your favourite Internet sites.



1. From your browser menu, select Mark Site.
2. Press any key from 1 to 9 when prompted. The Personal Communicator provides a confirmation message that the bookmark has been stored.
3. To go back to the bookmark, press and hold the appropriate location number key (1 to 9).

Internet Service Alerts

You do not need to be using the mobile Internet to receive an Internet service alert. When you receive an alert, the Personal Communicator displays a screen with the details. Press  to view the contents or  to reject it.





Making and Receiving Calls During a Mobile Internet Session

You must first end the mobile Internet session, then make your call in the normal way. If you receive a call, press  to accept it  to reject it.

If you answer a call, press  to resume your mobile Internet session or  to return to the Standby mode.

Ending a Mobile Internet Session

Press and hold  until your ISP's Home page is displayed, then press  again.

Note: To quickly exit a mobile Internet session, press .



Phone Book

You can store important numbers in your Phone Book so you can retrieve them quickly and easily.

Your Personal Communicator can store up to 100 entries and the SIM card can store up to 155 entries in your Personal Numbers list. The number of SIM card entries varies depending on the type of SIM card issued by your service provider.


You can store up to 40 entries in a fixed dialling list, if you have this feature. Fixed dialling allows limited use of your Personal Communicator to particular numbers, or, if you wish, to country codes, area codes, or other prefixes of your choosing.


Each Phone Book entry contains:

- A telephone number. Up to 32 digits can be stored, but this is reduced to 20 digits for SIM card locations.
- A name. Up to 16 characters for phone locations. Up to 50 characters for SIM card locations.
- A location label. From 1 to 255 in your Personal Numbers list. From 1 to 40 in your Fixed Dial list.

Inserting Pauses into Phone Numbers

Pauses can be inserted into a string of numbers to allow the called number time to react to certain activities such as going into voice mail or entering a password.

To insert a three-second pause in a phone number, press and hold (*) until  is displayed.




For example, you have voice mail on 555-6911, with mailbox number 1066 and password 2001. Then you can dial: 5556911 \square 1066 \square 2001 then press .

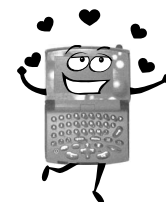
The first part of the number calls the voice mail system. When the call is answered, there is a pause before the tones for 1066 are sent. Then there is a second pause before the tones for your password of 2001 are sent.



Voice Dialling

You can quickly access a phone number that has a Voice Tag assigned to it.


1. When selected, your Personal Communicator prompts you to press the Smart button .
2. Next, you are prompted to say the name (Voice Tag) after the tone.
3. Press  to make the call, or highlight a different selection then press .



Personal Numbers



Use to create and manage your list of personal numbers.

Find Entry By Name

Use to find a number from your list of Phone Book names by typing up to three of the first characters of the name, then press .

Find Entry By Location

Use to select a number from your list of Phone Book locations.


1. At the prompt, enter a location number, then press . If the number is not valid, the Phone Book list is displayed and the number closest to your entry is highlighted.
2. Use  to navigate through the entries.

3. Press  to make your selection. From the submenu select:

- Switch View - to display the information for the selected entry.
- Call Number - to call the selected number.
- Modify Name or Details - to modify the information for the selected entry.
- Erase Name and Number - to delete the phone book entry.
- Add or Edit Voice Tag - to add or edit a Voice Tag.

Add Entry

Allows you to add a phone number and name to the Personal Communicator's (phone) memory or to SIM card memory.

1. When prompted, enter the phone number, name and a location number. If you do not specify a location number, the entry is stored in the next available location.
2. The Personal Communicator then asks if you want to enter a Voice Tag. For Voice Tags information, see "Add Voice Tag" on page 39.
3. If you don't want to add a Voice Tag, press .

Check Capacity

Use to check the number of free Phone Book or SIM card memory areas. From the submenu you can:

- Check Phone Capacity and Check SIM Capacity - displays the phone and SIM capacity.



Prevent Access

Select to prevent access to your Personal Numbers list.

Note: You will not be able to record Voice Tags if you choose to prevent access to phone memory.

- To SIM Card Memory, To Phone Memory, To Phone & SIM Memory, No Memory Restrictions - You can prevent access to your SIM card memory, the Personal Communicator's memory, both, or cancel all access restrictions. To change restrictions, follow the instructions given by the Personal Communicator.



Last Ten Calls

When selected, allows you to review time and date information of your last 10 missed or answered calls, or to calls you made. Depending on your selection, you can redial a phone number, store a phone number, or erase all of the phone numbers.

Note: This list is erased when a new SIM is inserted in the Personal Communicator.

My Phone Numbers

When selected, displays your list of phone numbers. From the submenu, you can:

- Modify Name or Details - to make changes to the selection.
- Switch View - to display information for the selected entry.



Note: The list is stored on your SIM card. Depending on your service provider, one or more of these entries is already defined and you may not be able to change them.

Fixed Dialling

Limits the use (typically third-party) of your Personal Communicator to a list of predefined telephone numbers, country codes, area codes, or other prefixes. When set, the Personal Communicator does not allow dialling of any number other than an emergency number. This option may be affected by the call barring setting.

Note: Fixed dialling is a network and subscription dependent feature and may not be available in all areas.




View Fixed Dial List

Use  to scroll through the list of numbers. Press  to make a call.



Setup Fixed Dialling

Use to turn fixed dialling on or off, and to enter or change entries in the list. After you enter your PIN2 code, you can:

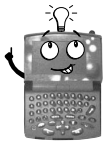
- On - turn fixed dialling on.
- Off - turn fixed dialling off.
- Edit Entry - scroll to the entry you want to change, press  to edit the entry or  to erase it.
- Add Entry - to add a phone number and name, and a location number. If you do not specify a location number, the entry is stored in the next available location.
- Erase Entry - scroll to the entry you want to delete then press .



Setup One-Touch Dialling

You can specify which phone book list is one-touch dialled. The selections are:



- To Phone Memory - changes One-Touch Dialling to your Personal Numbers list (locations 1 to 9).
- To SIM Card Memory - changes One-Touch Dialling to your Personal Numbers list stored on your SIM card (locations 101 to 109).
- To Fixed Dial list - changes One-Touch Dialling to your Fixed Dial list (locations 1 to 9).



One-Touch Dialling from Phone Book Numbers

To quickly retrieve and dial a number stored in one of the first nine locations of your Phone Book, press and hold the appropriate number key. For example, press and hold **2** to call the phone number stored in location 2 of your phone book.

Dialling Phone Book Numbers with Smart Button



- Press  and say the Voice Tag name after the tone.
- Press  then scroll to the number, or press the appropriate number to skip to a particular letter.

Alarm Clock

You can set up to 5 alarms on your Personal Communicator, and attach a 40-character memo to each alarm.

Set Alarm


Each alarm can be set to alert on a specific day and time, daily, weekly, every Monday to Friday, or every Monday to Saturday.

1. To set an alarm, select the day(s) for the alarm to occur.
2. When prompted, enter the alarm time using the keypad numbers and press .
3. When prompted, enter your reminder memo then press .

Note: Depending on your alarm selection, you may be required to enter a date.



Show Alarm Status

When selected, displays the alarms that are set. Use  to select an alarm. From the submenu, you can:

- Switch View - see the details for alarm. Select Switch View again to return to the previous screen.
- Edit Alarm - change the time, date, and attached memo.
- Disable Alarm - suspends (but does not delete) the alarm.

Call Related Features

Show Battery Meter

Displays the remaining battery charge. The more segments displayed, the more battery charge is left.

Restrict My Phone Number

This is a network dependent feature. Please check with your service provider for more information.

Show ID on Next Call

Sends your Personal Communicator's number with the next call.

Restrict ID on Next Call

Prevents your Personal Communicator's number from being sent with the next call. You need to reselect this option each time you want to restrict your ID.



Call Forwarding

You can have incoming calls sent to other phone numbers.

Note: You cannot set call forward when you are out of your network coverage area.

Note: Call Forwarding is a network and subscription dependent feature and may not be available in all areas.

Forward Voice Calls

You can have voice calls sent to other phone numbers. From the submenu you can:

- Forward When Unavailable - forwards all incoming voice calls to a single number whenever your Personal Communicator is unavailable. To forward, select On, then enter a forwarding phone number.
Note: When set to On, has the same effect as setting all "Detailed Forwarding" options to On and takes priority over Detailed Forwarding settings.



- Forward All Voice Calls - forward all incoming voice calls to a single number. To forward, select On, then enter a forwarding phone number.

Note: When set to On, this option takes priority over all other voice call forwarding settings.



- Detailed Forwarding - forwards voice calls to different numbers, depending on the current status of your Personal Communicator.

The selections are:

- † If Busy - forwards calls when your Personal Communicator is engaged.
- † If Not Reachable - forwards incoming calls when your Personal Communicator cannot be contacted by the network.
- † If No Answer - forwards incoming calls when you do not answer.
- Cancel All Forwarding - cancels forwarding of incoming calls, resets all forwarding settings to Off, and removes all forwarding numbers.



Call Waiting

When set to On, you are notified of a waiting call by an audible alert and a call waiting message. Press  to answer the call or  to reject it.

If you have Caller Line Identification, the caller's number or name is displayed instead of the Call Waiting message. Availability of this feature depends on your service provider.

Note: Call Waiting is a network and subscription dependent feature and may not be available in all areas.

Call Barring

Call barring is a network feature which can be used to bar outgoing and incoming calls. If you change the setting, you may be asked to enter your barring password. There is a short delay while the Personal Communicator notifies the network of the new setting. When the change is made, the Personal Communicator displays a confirmation message.

Note: The *initial* password is supplied to you by your service provider. This option may be affected by the Fixed Dialling setting.

Bar Outgoing Calls

- Int'l Calls - bars all outgoing international calls.
- Int'l Calls Except Home - bars all outgoing international calls except those to your home country.
- All Calls - bars all outgoing non-emergency calls.
- Off - removes call barring for all calls.

Bar Incoming Calls

- When Roaming - bars incoming calls when you are roaming.
- All Calls - bars all incoming calls.
- Off - removes call barring for all calls.



Cancel All Barring

Cancels this option for all calls.

Change Bar Password

When prompted, enter the current password, then enter and confirm a new 4-digit password.

Messages Menu

Call Voice Mail

Select to make a call to your voice mail number.

Note: Voice mail is a network and subscription dependent feature and may not be available in all areas.

Received Messages



Note: For quick access, press

Displays the number of new and old SMS messages, then displays the message list.

1. Use to scroll through your message list.
2. Most times, only a portion of your message is displayed. To view the entire message, press to see your options.

Switch View

Displays the entire message. Press to return to the view options screen.

Delete Message

Deletes the message.

Note: Before you delete a message, make sure the message you want deleted was selected in your received message screen.

Retrieve Numbers

You can retrieve all numbers embedded inside an SMS message. You can call the number, store it into your Personal Communicator, or store it into SIM card memory. Press while viewing the numbers.

Note: Only 20 characters (32 characters, if GSM1900) of a number can be retrieved. If the number is longer than allowed, the remaining characters are not retrieved. Space and - (dash) characters are not counted as part of the character length.

Reply to Message

Type your message then press to send it.

Return Call

When there is a phone number attached to a message, you can call the person who sent the message to you.



Edit Message

You can use the message editor to edit the message. Then you can either send the edited message or store it in your Outgoing Message list.

Go to Next Message

Displays the next message in the list.

Delete All Messages

Deletes all messages, read and unread.

Note: Once deleted, messages are not retrievable. It's a good idea to make sure you have read all your messages before deleting them.

Outgoing Messages

Note: You cannot send outgoing messages until the Message Service Centre number has been set.

You can view and manage your outgoing messages that are stored on your SIM card. When selected, the number of messages is displayed followed by the first message in the list.





To Send a Stored SMS Message

Select the message from your message list, press **OK** to view your options, then send it.

Switch View

Displays the entire message. Press **OK** to return to the view options screen.

Send Message

Add the destination phone number then send a message. From the submenu select to either enter the number, find it by name, or find it by location.

When you have set up a destination phone number, select **OK** to send the message, press **OK** again to confirm.

Edit Message

Use to edit a message, then send or store it in your Outgoing Messages list.

Delete Message

Use to delete the current message.

Note: Before you delete a message, make sure the message you want deleted was selected in your received message screen.

Go to Next Message

Use to display the next outgoing message.



Message Editor



Compose an SMS message and send it to a friend, or store it to send it later.

- For a single capital letter, press and release **shift**, then type the letter.
- For multiple capital letters, press **shift shift**. To switch back to lowercase letters, press **shift shift** again.
- Press **C** to erase the previous character, press and hold **C** to erase multiple characters.
- For special characters, see "Special Characters" on page 88.
- For a single number, press **alt** then type the number.
- For a series of numbers, press **alt alt**. To stop entering numbers, press **alt** again.



Note: You don't always have to come to this menu to get to your message editor, you can press **Ⓜ** from any screen for immediate access.

Voice Notes

Play, erase, or show remaining time available for your recorded voice notes. See "Voice Notes" on page 37 for more information.

Play Voice Note

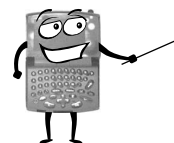
1. Scroll to the voice note you want to play, then press **OK**.
2. Press **C** to stop playback.
3. To erase, set an alarm for a voice note, or go to the next voice note, press **OK** to display the options menu.
 - Erase Voice Note - erases the selected voice note.
 - Set Alarm (Alarmed voice notes) - You can set an alarm to up to 5 voice notes. See "Set Alarm" on page 53.
 - Go to Next Voice Note - selects and plays the next voice note in the list.
4. Press **C** to return to the previous menu.

Show Time Available

Displays the remaining recordable time.

Erase All Voice Notes

Erases all recorded voice notes



Cell Broadcast

These are general messages that your service provider broadcasts in numbered channels to all Personal Communicators in a geographic area. Please contact your service provider for a list of available channels and the information they provide.



Note: Your Personal Communicator can receive broadcast messages only when it is in Standby mode.

While a broadcast message is scrolling across the screen, you can:

- Press **+** to stop and start the message.
- Press **C** to remove the message.

Note: The **+** functions change while you are receiving a cell broadcast message. You need to remove the message before **+** functions return to normal.

When the message is complete, the beginning of the message remains displayed until you remove it, a new message arrives, or you leave the geographic area.

From the Cell Broadcast submenu, you can select On to receive these messages, or Off to stop receiving them.

Note: Selecting Off causes deletion of all stored cell broadcast messages.

Channel List

- Channel Index - displays a list of available channels that you can edit. When you edit a channel, you also remove any message associated with it. Select the channel index you want to modify then press **OK**. Type in the channel number and press **OK**. The channel details are stored and your Personal Communicator returns to the channel index list.
- Delete All Channels - to delete all channels.

Language List

Use to select a different language for Cell Broadcast messages. Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.

Message Settings

Voice Mail Number

You can enter, modify, or delete your voice mail number.

Note: Remember to add the + symbol and the appropriate country code prefix to the phone number.

Service Centre

You can modify or delete it as desired. Remember to add the + symbol and the appropriate country code prefix to the phone number.

Note: Before you can send messages, you need to enter your Message Service Centre number provided by your service provider.

Expiry Period

Use to specify the maximum time, in hours, that your unforwarded messages remain with the Message Service Centre before being deleted. The default is 24 hours. The maximum value you can enter is 10584, although the real limit depends on your Message Service Centre.



Outgoing Message Type

This option is network dependent and can be used to specify the format of your outgoing messages. You can select Text (default), Fax, X400, Paging, E-Mail, or Voice. You do not need to select Voice to send messages to voice mail boxes.

Phone Setup

You can set custom alerts, the time and date, security codes, the contrast of your display, and other features.

Select Phone Line

Allows you to switch between Line 1 and Line 2 of your Personal Communicator.

Note: Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.



Adjust Ring Volume

Use to increase or decrease the ringer volume of your Personal Communicator.

Ring or Vibrate

From the submenu, you can set your Personal Communicator to ring, vibrate, or a combination of both. You can also set it to no ring or no vibrate to send and receive SMS messages and Internet service messages in a silent mode. However, when this option is selected, you will not be notified when you receive an incoming voice call if the device is closed.

Set Ringer Tone

Use to select a musical alert or a standard ringing tone for incoming calls.

Set Ringer Tone 2

Use to select a tone alert for incoming calls on Line 2.

Note: This is a network and subscription dependent feature and may not be available in all areas.

Set Alarm Ringer Tone

Use to turn the alarm alert ringer tone on or off.

Set Message Alert Tone

Use to set a musical alert or standard tone for incoming SMS messages.



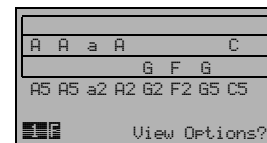
Edit Music Tone



Compose a musical alert and send it via SMS Messaging to another compatible Motorola phone. The alert can have up to 35 notes and 3 octaves.

- **A** to **G** on the keyboard are musical notes A to G.
- **R** (rest) adds a pause. Press and hold **R** to extend the length of the pause.
- Add a **P** between a note and the duration to change the pitch to either **Flat** or **Sharp**. Add a **P** anywhere else to change the pitch for all notes.
- Change the duration of a note or rest by placing the cursor between the note and the duration indicator, then enter a duration length: 1 is the shortest, 6 is the longest and equals one second.
- Change the octave of the note by placing the cursor on the note and use **+** to increase or decrease it.
- You can also change the tempo of your tune to 1 (slowest), 4 (fastest), or 2 and 3 for somewhere in between.

Now you are ready to listen (play) to your new tune. If you like it, you can save it, or go back and edit it or erase it and compose a new one.



Edit Tone Example

Send as an SMS Message

Impress your friends with your musical ability by sending your composed music tone via an SMS message to another Motorola phone. If you receive a music tone, you can play, save, or delete it.



Quick Access Setup

You can customise your Quick Access menu so you can quickly get to the features you use the most. Refer to "Quick Access Menu" on page 85 for usage and set up.

Phone Lock

You can lock your Personal Communicator to prevent others from using it.

Automatic Lock

When set to On, your Personal Communicator is locked automatically when it is turned on. To use it, enter the unlock code.

Lock Now

Immediately locks your Personal Communicator from further use. To use it again, enter the unlock code.



Change Unlock Code

Use to change your unlock code. Follow the prompts given and enter a new code. The code set by the manufacturer is **1234**. If this code does not work, check with your service provider.

Adjust Contrast

Lets you lighten or darken your display.

Require SIM Card PIN

When set to On, you need to enter your SIM card PIN each time it is inserted or your Personal Communicator is turned on.

Note: This is not available if the SIM card does not support PIN code disabling. How do I change my SIM card PIN? No problem, your Personal Communicator gives you all the instructions.

Note: Be careful, if you enter your PIN incorrectly three times in a row, your Personal Communicator locks up. See "Entering Your Unlock Code" on page 22 if this happens.

Change SIM PIN2 Code

You can change your SIM PIN2 code just like your standard SIM code.

Note: This is a network and subscription dependent feature and may not be available in all areas.

Note: Be careful, your Personal Communicator locks up if the code is entered incorrectly three times in a row.



Caution: If the PIN2 unblocking operation is performed incorrectly 10 times in a row, your PIN2 code becomes permanently blocked, please see your service provider.

Unblocking Your V100 Personal Communicator

If you are blocked from accessing your V100 Personal Communicator, use the following key sequence and the 8-digit PIN unblocking code that was provided by your Cellular Service Provider to unblock it:

[?] [?] [?] [?] [5] [?] **Unlock Code** **[OK]** **New PIN Code** **[OK]** **New PIN Code** **[OK]**

The new PIN code must contain four to eight digits.

Note: If this operation is performed incorrectly 10 times in a row, your SIM card will become permanently blocked.

New Security Code

Enter the current security code, then a new six-digit code. The security code is set by the manufacturer to **000000**. If this code does not work, see your service provider.



Extended Menus

Turn extended menus on or off. When Off, you are not able to access any of the extended features.

Show Time and Date

When selected, time and date is displayed until you press a button.

Set Time and Date

Setting the time and date is easy. Just follow the instructions given by your Personal Communicator. But remember, use the international date format (day/month/year).

Set Time Format

You can change to either 12-hour or 24-hour format.

Language Selection

All prompts and help messages will be displayed in the language you select.

Battery Saving Mode

Set this to On to help your battery last longer. All status indicators and the backlight for incoming Cell Broadcast messages are turned off.

Select Keypad Tones

You can set this so you hear tones when you press the buttons on your Personal Communicator, or you can also turn off the tones.

Phone Status

Status Review

When selected, your Personal Communicator displays a list of menu items which have been changed from the default setting.

Master Reset

Please use this feature with caution because it restores certain options to their default settings. This feature does the following:

- Cancels automatic answer, audible call timers, in-call display meter, battery saver, auxiliary alert, automatic handsfree, automatic lock, and cell broadcast.
- Restores language selection, band selection, and extended menus to their default settings.
- Restores keypad tones to normal, ringer tones to standard, SMS message alert tones to standard, volume level to medium, and network search frequency to medium.



Master Clear

Note: All phone book entries are deleted with this option! Please use it with caution.

The master clear option performs the same operations as the Master Reset, but it also does the following:

- Clears phone book entries from memory (but not from SIM memory).
- Clears your list of all last calls made and received.
- Clears the message editor.
- Resets call timers.
- Erases all recorded voice notes and Voice Tags.

Master Clear does **not** clear your:

- Fixed Dial list
- My Number list
- Charge meters
- Received and outgoing messages list
- Voice mail number
- Service Centre number
- Lifetime timer



Network Selection

To make and receive calls, your Personal Communicator must be registered with one of the available networks.

Your Personal Communicator automatically searches for the last network used. If this network is not available, your Personal Communicator attempts to register with a different network.

When your Personal Communicator attempts to register with a different network, it generates a sorted list of networks.

The network list is sorted in the following order:

- The Home network.
- Networks from a preferred list.
- A random list of other networks found above a certain signal strength.
- All remaining networks in descending order of signal strength.



Available Networks

Use this to see which networks are operating in your area. When scanning is complete, the list is displayed. When you find a network you want to register with or store in your preferred list, press . Follow the instructions given by your Personal Communicator to register and store your selection.



Network Search

Determines how often your Personal Communicator attempts to register with a network and how the attempt is made.

Registration Preferences

Set this to an automatic search (performed by your Personal Communicator) or to manual search (performed by you).

- Automatic Search - Your Personal Communicator automatically generates a list of networks and then tries to register with the first network in the list. If registration fails, it tries to register with the next listed network. If registration totally fails, it starts searching all over again.
- Manual Search - Your Personal Communicator gives you a list of networks to choose from. If registration is successful, the network name is displayed. If registration fails, the list is displayed again.

Frequency of Search

You can set the amount of time your Personal Communicator waits before trying to re-register: slow, medium, fast, or continuous search.

Note: Fast and continuous search may use up a lot of battery power.



Preferred Networks

Add Network to List

You can add networks to your preferred list.

- If you choose from the available list, your Personal Communicator scans for the networks in your area, then displays the list. To store one in your preferred list, follow the instructions given by your Personal Communicator.
- You can select one from a list of known networks, then store it in your preferred list.
- To add a new network code, follow the instructions given by your Personal Communicator to enter the service provider number before storing it into your preferred list.



Show List of Networks

You can have your Personal Communicator show you a list of networks. From the list, you can select one, then move it, delete it, or have your Personal Communicator display the information for the selected network.

Find New Network

When selected, your Personal Communicator attempts to register with a network other than your current network. If the attempt fails, your Personal Communicator tries to register with the previous network.



Call Meters Menu

You can have your Personal Communicator keep track of your calling time and charges. You can also have audible alert tones to let you know how long you have been on a call. Your Personal Communicator can accept values up to 21 digits long, although during calls it can only display the last 12 digits. In addition, you can set a maximum charge limit so that your Personal Communicator monitors either the number of units used or the call charges, and not allow the limit to be exceeded.

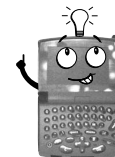
Note: Call cost information is available only if you receive the Advice of Charge service. If you do not receive this service, then only time meters are available.

Show Call Charges

You can find out the charges for last call cost, the total for all your calls, and how much credit you have left.

Note: Show Call Charges is a network and subscription feature that may not be available in all areas.

Note: If you do not have the Advice of Charge service, your Personal Communicator only keeps track of the length of the call.



Show Call Timers

Find out how long you talked during your last call, or the total time for all your calls. You can also reset all your timers to zero.

Note: If you do not receive the Advice of Charge, either all calls or only outgoing calls are timed.

Set Audible Call Timers

You can set single or repetitive audible alerts at preset times to help you keep track of your time and charges. When the timer is set, your Personal Communicator gives an alert 10 seconds before the end of the programmed time.

Set In-Call Display

Set this option to display the time or charge meters displayed during a call.

Note: If you have a total charge limit set, your remaining credit is always displayed.

Show Time Per Call

Displays the time meter during your calls.

Note: If you have the Advice of Charge service, your chargeable calls are always displayed.



Show Charge Per Call and Show Total Call Charges

These two options display the call charges meter during and after chargeable calls. The meter shows phone units or currency depending on your charge type (unit or currency) setting.



Note: If you do not receive the Advice of Charge, either all calls or only outgoing calls are timed, depending on the model.

No In-Call Display

Use this to turn off all display of time and charges.

Call Charge Settings

If you receive the Advice of Charge service, you can customise your settings.

Reset Call Charges

Use this to reset all your meters to zero.

Set Total Charge Limit

You can set a maximum limit for call charges. When your limit is reached, the network does not allow you to receive any more chargeable calls.

- When set to On, you need to enter a new limit as either units or currency, depending on the setting of your Set Charge Type option.

Note: Units are entered as whole numbers and currency is entered by name. For example, GBP for UK, DEM for Germany, or FFR for France.

Reset or turn off your Total Charge Limit option to make more chargeable calls.

Lifetime Timer

Displays the total time of all calls that have been made on your Personal Communicator.

Note: This meter cannot be reset.

Games

You can play three different games on your Motorola V100 Personal Communicator when you select Games from the main menu. Your choices are Towers of Hanoi, Baccarat, and Bricks. When you select a game, you can start a new game, continue with a saved game, or see what your best score is for that game.

Note: Prolonged playing of your games may shorten battery life.

Closing and Saving a Game

You can close a game at any time by pressing . At the End game prompt, press to return to the game or to save the game so you can finish it later.

While playing a game, the playing state could be interrupted when you receive an incoming call, the alarm expires, or the battery is discharging. Press to return to the game or to save the game so you can finish it later.



Towers of Hanoi

This game involves skill and logic and is intended for only one player. The skill levels range from 3 to 7 and indicate the number of disks in the game. The more disks in a game, the more difficult the game. When you start the game, disks of different lengths are stacked on a centre pole. The object of the game, is to stack the disks in ascending order with the smallest disk at the top and the largest one at the bottom. When you successfully move all disks from the centre pole to any other pole, you win the game.

Game Rules

- Only one disk can be moved at a time.
- You can only move the top disk on the stack.
- Larger disks cannot be stacked onto smaller disks.

How to Play

When you select a new game, enter the skill level you want to play (3 through 7).

1. Press the up portion of to select a disk. A gap between disks indicates that disk has been moved up.
2. Press the left or right portions of to move to another pole. A square cursor above the pole indicates your location.
3. Press the down portion of to move selected disk to a new pole.
4. Continue with steps 1 through 3 until you move all disks to a new pole.

Baccarat

The object of this game is to predict which hand will get closest to 9 points, or if there will be a tie game. The two hands are **P** for player and **B** for banker.

Game Rules

The game starts by placing a wager on hand P, B, or whether there will be a tie. Each player is given 2 cards. A third card may be given to P and/or B.

- The hand with points closest to 9 wins the game. If points total more than 10, subtract 10 and the remainder is the number of points. For example, 8 (for P) + 8 (for P) = 16; subtract 10 from 16 for a total of 6.
- If either P or B wins, all winning wagers pay evenly. If you win by betting on B, then B receives a 5% commission. If you win by betting on a tie, you get 8 times the amount of your wager, otherwise, the wager is returned.
- Ace cards equal one point, tens and face cards (Kings, Queen, and Jacks) equal zero. All other cards equal the point value stated on the card.

How to Play

1. When a new hand is started, select hand B, P, or a tie, then press .
2. Enter the amount of the wager, then press . The wager should be between 5 to 500 points, or your current balance.
3. When prompted, press to deal the cards. The cards for both B and P hands flash and are displayed for a limited time.



Bricks

This fun game is intended for a single player. In this game, there is a set of bricks at the top of the display, a paddle at the bottom, and a moving ball. The object of the game is to strike the ball with the paddle, causing the ball to move diagonally and hit the bricks at the top, without letting the ball hit the bottom boundary. The direction of the ball is determined by the angle when the paddle hits it, head on or sideways. The ball can hit more than one brick at a time. When a brick is hit by the ball, it disappears, increasing the game score by the number of points assigned to that brick.

The bricks in the fifth row have a point value of 30, the fourth row bricks are 25 points, third row are 20 points, second row are 15 points, and the first row are 10 points.

Game Rules

- The game ends if the ball hits the bottom boundary or if all bricks are hit.
- The paddle area is determined by the left and right boundaries. The paddle will not wrap around the screen to the other side.

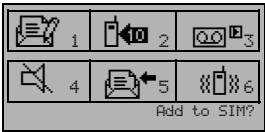
How to Play

- When a new game is started, the paddle is located in the centre of the screen in the lower boundary. The ball is located just above the paddle.
- The first movement of the ball is automatic and happens at a random angle. Thereafter, it moves according to the way in which it hits any surface.

- Use the left and right portion of **+** to move the paddle to the left and right.
- The object of the game is to hit all bricks without letting the ball touch the bottom boundary.
- When a game has ended, the screen flashes and the game results are displayed.

Quick Access Menu

While the features in your Personal Communicator are available through easy-to-use menus, some of the most commonly used features are also available in the Quick Access menu. Each feature in the menu is assigned a location number from 1 to 9. Press **Q** to display the Quick Access menu. The menu shown in the example represents some of the features you can set up in your Quick Access menu.



Quick Access Menu Example

With appropriate setup, you can use a Quick Access feature by:

- Pressing **Q** and say the Voice Tag name.
- Pressing **Q** then enter the location number.
- Pressing **Q** then use **+** to highlight a menu option then press **OK** to select it.



Each Quick Access feature is represented by an icon. A selected icon has a dark background.

You can change the features and the positions of the features in the Quick Access menu.

Adding Location Numbers to Features in Your Quick Access Menu

1. From the Phone Setup menu, select the Quick Access Setup menu. Your Personal Communicator displays a list of features to choose from.
2. Use **+** to scroll to the feature you want to add then press **OK**.
3. Select "Assign Key to Feature" and press **OK**.
4. When prompted, press any number from 1 to 9 to store the feature in that location.

Note: If a feature is already stored in the location number you choose, the new feature takes that location and the older feature is automatically removed.

Adding/Editing Voice Tags to Features in Your Quick Access Menu

You can assign a Voice Tag to each of the 9 Quick Access Menu features.

1. From your quick access configuration menu, highlight the feature then press **OK**.
2. Select the "Add or Edit Voice Tag" option and press **OK**.

3. When prompted, say a Tag name. If there is a matching Voice Tag, the Personal Communicator repeats the name and displays the entry.
4. When recording is successful, your Personal Communicator displays a message that the tag has been stored and returns to the Quick Access Setup menu. If recording is not successful, your Personal Communicator prompts you to record the Tag again.

Important Notes:

- If any one of the 9 Quick Access features has a Voice Tag assigned to it, and you attempt to display the Quick Access menu while wearing your headset, you need to say a tag name or your Personal Communicator returns to the Standby screen.
- If you are not wearing your headset, your Personal Communicator prompts for a tag name, then displays the Quick Access menu after a few seconds.

Delete Voice Tag

Note: This option is not displayed if there are no Voice Tags to delete.

Highlight the Quick Access that has the Voice Tag you want to delete then press **OK**.



Special Characters

To enter special characters shown in the table, press **alt** **space** and the letter key from the following table. Multiple presses of the key may be required to access the character. For example, to type è, press **alt** **space**, then press E twice.

Keyboard Character	alt space 1 time	alt space 2 times	alt space 3 times	alt space 4 times	alt space 5 times	alt space 6 times	alt space 7 times
E	é	è	É				
T	θ						
Y	ψ	¥					
U	ü	ù	Ü				
I	ì						
O	ö	ø	ó	Ô	Ö	Ø	
P	π						
A	ä	å	à	æ	Ä	Å	Æ

Keyboard Character	1 time	2 times	3 times	4 times	5 times	6 times	7 times
S	Σ	§					
F	Φ						
G	Γ						
L	Λ						
Z	Ξ						
C	Ç						
B	β						
N	ñ	Ñ					
?/	¿						
!:	¡						

Accessories

The following accessories are designed to work with your Personal Communicator. Additional accessories may be available separately. Please refer to your local service provider or retail outlet for more information.

Headset

The headset provides hands free use of your Personal Communicator and is required for phone operation.

Power Adapter

The Power Adapter (charger) connects directly to your Personal Communicator. When connected, it charges the battery and provides normal operation of your Personal Communicator.

Holster

Place your Personal Communicator inside this stylish holster, then clip the holster onto your belt, pocket, or handbag, or other apparel.

Note: The holster is designed for your convenience and is not meant to secure your Personal Communicator under all circumstances.

Troubleshooting

What to do if...

Personal Communicator does not turn on

- *Check the battery.* Is it charged, properly fitted, and are the contacts clean and dry?

You can't make calls

- *Check the signal strength meter.* If the signal is weak, move to an open space or, if in a building, move close to a window.
- *Check your network settings.* Try to select another network.
- *Check your coverage map.* Are restrictions set?
- *Check your Call Barring and Fixed Dialling settings.*
- *Have you reached your call charge limit?* Reset your limit or contact your service provider.
- *Have you inserted a new SIM card?* Make sure no new restrictions have been imposed.

You can't cancel Call Forwarding or Call Barring

- Wait until you are in an area with good network coverage and try again.

You can't receive calls

- *Check the signal strength meter.* If the signal is weak, move to an open space or, if in a building, move closer to a window.
- *Check Call Forwarding and Call Barring settings.* Check Ringer and VibraCall® settings. If both are off, there is no audible alert.

Personal Communicator won't unlock

- *Have you inserted a new SIM card?* Enter the new PIN code.
- *Do you have a replacement Personal Communicator?* Enter the default unlock code of 1234.
- *Did you forget your unlock code?* Press to change it (you will need your security code).

Your PIN is blocked

- Enter the PIN unblocking code supplied with your SIM card.

Your PIN2 is blocked

- Enter the PIN2 unblocking code supplied with your SIM card.

The ☐ symbol is flashing

- *There is not enough memory available to store another SMS message.* Use the Messages menu to delete one or more existing messages.

Your SIM card won't work

- Is the card inserted correctly?
- *Is it chipped, scratched, or visibly damaged?* Return it to your service provider.
- *Check the SIM contacts.* If dirty, clean them with an antistatic cloth.

You can't make international calls

- *Some service providers block the ability to make international calls.* Contact your Service Provider.
- *Have you included the correct codes?* Press and hold **0** (zero) to display the international dialling prefix (+) and then enter the country code followed by the phone number.

Troubleshooting

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The battery won't charge

- *Check the charger.* Is it properly connected? Are its contacts clean and dry?
- *Check the battery contacts.* Are they clean and dry?
- *Check the battery temperature.* If it is warm, let it cool before recharging.
- *Is it an old battery?* Replace the battery.
- *Are you using a Motorola original battery?* Your charging system may not be able to communicate with your battery.

The battery icon and meters are missing

- *Are you using a Motorola original battery?* Your charging system may not be able to communicate with your battery.

Troubleshooting

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The battery loses charge faster than normal

- *Are you in an area of variable coverage?* This uses extra battery power.
- *Is it a new battery?* A new battery needs two to three charge/discharge cycles to attain normal performance.
- *Is it an old battery?* Battery performance declines after several years of use.
- *Is it a battery that hasn't been completely discharged?* Allow the battery to fully discharge (until the Personal Communicator turns itself off) and then charge the battery overnight.
- *Check that the Frequency Of Search feature in the Network Selection menu has not been set to Fast or Continuous.*
- *Check that the Battery Saving Mode feature has not been set to Off.*
- *Are you using your Personal Communicator in extreme temperatures?* At extreme hot or cold temperatures, battery performance is significantly reduced.

Troubleshooting

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Use and Care



Clean with a soft cloth dampened with soap and water.



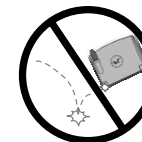
Do not immerse in water.



Do not use alcohol or other cleaning solutions.



Do not expose to excessive heat ...



... or extreme shock ...



... or moisture.

Use and Care

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Limited Warranty Information

Motorola guarantees to you, the original purchaser, the Personal Communicator and accessories which you have purchased from an authorised Motorola dealer (the "Products"), to be in conformance with the applicable Motorola specifications current at the time of manufacture for a term of [1] year from date of purchase of the Product(s) (Limited Warranty Term).

You must inform Motorola of the lack of conformity to the applicable specifications of any of the Products within a period of two (2) months from the date on which you detect a defect in material, workmanship or lack of conformity and in any event within a term not to exceed the Limited Warranty Term, by submitting the Product for service to Motorola. Motorola shall not be bound by Product related statements not directly made by Motorola.

A list of the Motorola Call Centre numbers is enclosed with this Product. During the Limited Warranty term, Motorola will, at its discretion and without extra charge, as your exclusive remedy, repair or replace your Product which does not comply with this warranty; or failing this, to reimburse the price of the Product but reduced to take into account the use you have had of the Product since it was delivered. This warranty will expire at the end of the Limited Warranty Term.

This is the complete and exclusive warranty for a Motorola Personal Communicator and accessories and in lieu of all other warranties, terms and conditions, whether express or implied. Where you purchase the product other than as a consumer, Motorola disclaims all other warranties, terms and conditions express or implied, such as fitness for purpose and satisfactory quality. In no event shall Motorola be liable for damages in excess of the purchase price nor for any incidental special or consequential damages* arising out of the use or inability to use the Product, to the full extent such may be disclaimed by law. This Limited Warranty does not affect any statutory rights that you may have if you are a consumer, such as a warranty of satisfactory quality and fit for the purpose for which products of the same type are normally used under normal use and service, nor any rights against the seller of the Products arising from your purchase and sales contract. (*) including without limitation loss of use, loss of time, inconvenience, commercial loss, lost profits or savings.

How To Get Warranty Service?

In most cases the authorised Motorola dealer which sold and/or installed your Motorola Personal Communicator and original accessories will honour a warranty claim and/or provide warranty service. Alternatively, for further information on how to get warranty service please contact either the customer service department of service provider or Motorola's call centre at the telephone numbers below for your country.

In order to claim the warranty service you must return the Personal Communicator and/or accessories in question to Motorola please avoid leaving any supplementary items like SIM cards. The Product should also be accompanied by a label with your name, address, and telephone number; name of Carrier and a description of the problem. In the case of vehicular installation, the vehicle in which the Personal Communicator is installed should be driven to the Authorised Repair Centre, as analysis of any problem may require inspection of the entire vehicular installation. In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The Personal Communicator should also clearly display the original compatible electronic serial number (IMEI) and mechanic serial number [MSN]. Such information is contained with the Product.

Conditions

This limited warranty will not apply if the type or serial numbers on the Product has been altered, deleted, removed, or made illegible. Motorola reserves the right to refuse free-of-charge warranty service if the requested documentation cannot be presented or if the information is incomplete, illegible or incompatible with the factory records. Repair, at Motorola's option, may include the replacement of parts or boards with functionally equivalent, reconditioned or new parts or boards. Replaced parts, accessories, batteries, or boards are guaranteed for the balance of the original warranty time period. The Limited Warranty Term will not be extended. All original accessories, batteries, parts, and Personal Communicator equipment that have been replaced shall become the property of Motorola. Motorola does not warrant the installation, maintenance or service of the products, accessories, batteries or parts. Motorola will not be responsible in any way for problems or damage caused by any ancillary equipment not furnished by Motorola which is attached to or used in connection with the Products, or for operation of Motorola equipment with any ancillary equipment and all such equipment is expressly excluded from this warranty. When the Product is used in conjunction with ancillary or peripheral equipment not supplied by Motorola, Motorola does not warrant the operation of the Product/ peripheral combination and Motorola will not honour any warranty claim where the

Product is used in such a combination and it is determined by Motorola that there is no fault with the Product. Motorola specifically disclaims any responsibility for any damage, whether or not to Motorola equipment, caused in any way by the use of the Personal Communicator, accessories and peripherals (specific examples include, but are not limited to: batteries, chargers, adapters, and power supplies) when such accessories and peripherals are not manufactured and supplied by Motorola.

What is not Covered by the Limited Warranty

This warranty is not valid if the defects are due to damage, misuse, tampering, neglect or lack of care and in case of alterations or repair carried out by unauthorised persons.

- 1. Defects or damage resulting from use of the Product in other than its normal and customary manner.
- 2. Defects or damage from misuse, accident or neglect.
- 3. Defects of damage from improper testing, operation, maintenance, installation, adjustment, or any alteration or modification of any kind.
- 4. Breakage or damage to aerials unless caused directly by defects in material or workmanship.
- 5. Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

- 6. Defects or damage due to range, coverage, availability, grade of service, or operation of the system by the operator.
- 7. Defects or damage due to moisture, liquid or spills of food.
- 8. Control unit coil cords in the Product that are stretched or have the modular tab broken.
- 9. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to customer normal use.
- 10. Leather cases (which are covered under separate manufacturer's warranties).
- 11. Products rented on a temporary basis.
- 12. Periodic maintenance and repair or replacement of parts due to normal wear and tear;

Note: The talk-time, stand-by time and total life cycle of a Motorola rechargeable battery for your Personal Communicator will depend on usage conditions and network configurations. As a consumable product, the specifications indicate that you should be able to obtain optimum performance for your Motorola Personal Communicator within the first six months from date of purchase and up-to (200) charges.

The warranty for Motorola rechargeable batteries becomes void if (i) the batteries are charged other than by Motorola approved battery chargers specified for the charging of the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, (iii) the battery is used in equipment or services other than the equipment for which it is specified.

Patents

This Motorola product is manufactured under one or more of the following United States patents.

4,128,740	4,517,561
4,590,473	4,591,851
4,636,791	4,644,351
4,654,867	4,696,027
4,742,514	4,754,450
4,799,253	4,811,380
4,833,701	4,852,090
4,872,204	4,873,683
4,887,265	4,893,327
4,905,301	5,029,233
5,036,531	5,127,100
5,253,269	5,265,219
5,434,947	5,502,752
5,570,453	5,675,702
5,826,224	6,006,104

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Personal Numbers

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Service Provider

Number

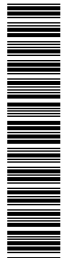
Family and Friends

Number

6881036B80-B



UK English



6881036B80-B