way5000D™

Operating Instructions 1.5

DRAFT

WAY Systems, Inc.
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Woburn, MA 01801

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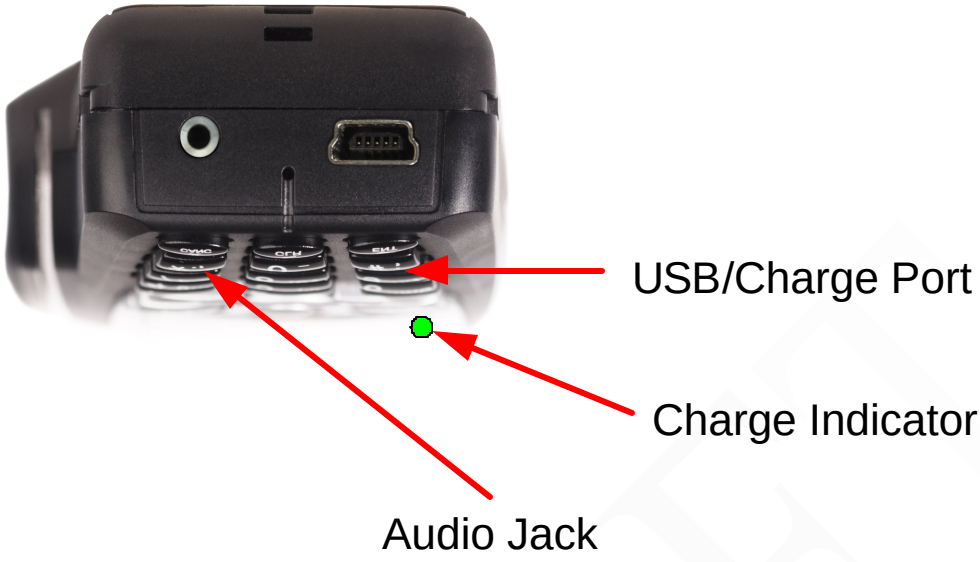
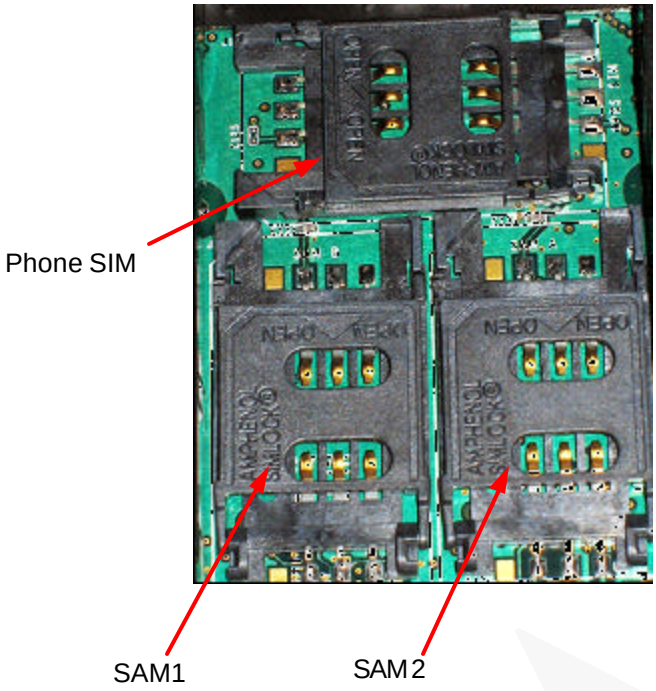
1 way5000D keypad layout

2 USB, Audio Jack and Charge Indicator Location



3 Device Back

4 Phone SIM Location



5 Box Contents

way5000D
Wall Power Supply
Lithium-Ion Battery
Operating Instructions

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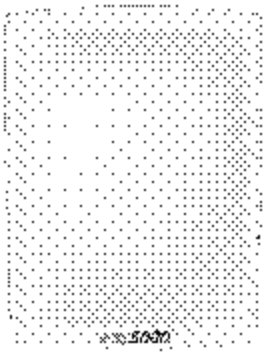
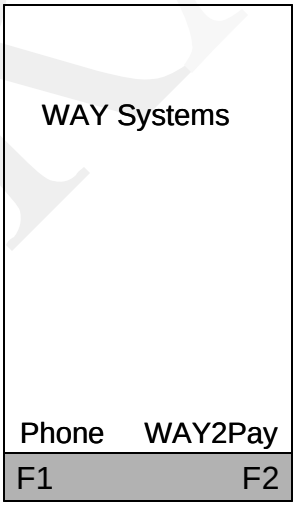
6 Display



7 Turning On/Off

To turn the way5000D power on, press the **Hang Up/End Key** for approximately 2 seconds and release.

8 GETTING STARTED



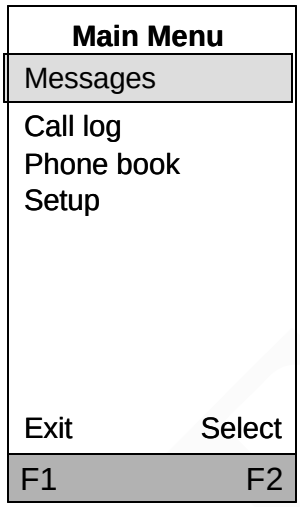
Make a Phone Call

Enter the phone number on the numeric keypad and press the **[ENT]** enter key.

To hang up, press the **[F1]** key.

9 MAIN MENU

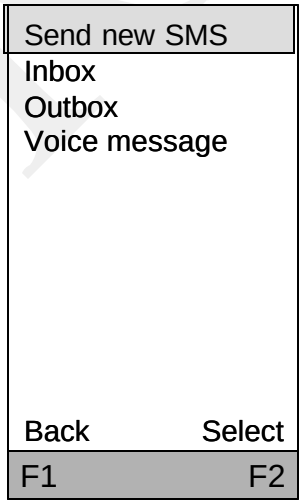
To enter the main menu, press the **[F1]** key from the phone's idle screen.



Press [**F1]** to **Exit** the **Main Menu**.

Press [**F2]** to access the Messages menu.

9.1 Message Menu:



Press [**F2]** to send a text message.

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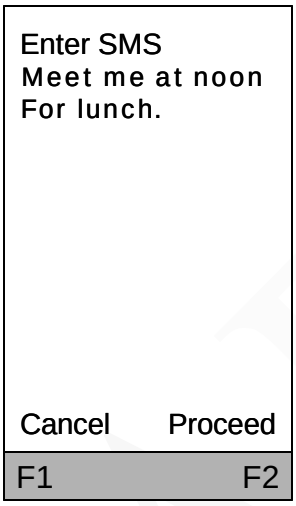
9.2 Enter Text Message:

Enter your message up to a maximum of 160 characters. To enter letters, press the number key with the desired letter one, two or three times depending on the letter's location. To enter a number, press the key a fourth time.



After your message is complete, press **[F2]** to proceed or **[F1]** to cancel this message.

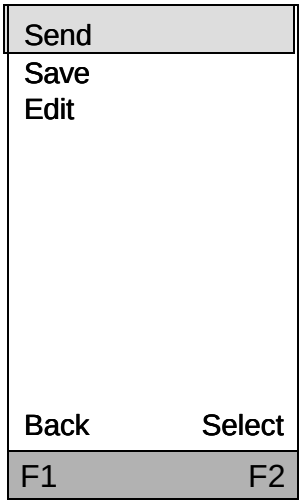
9.3 Send, Save or Edit:

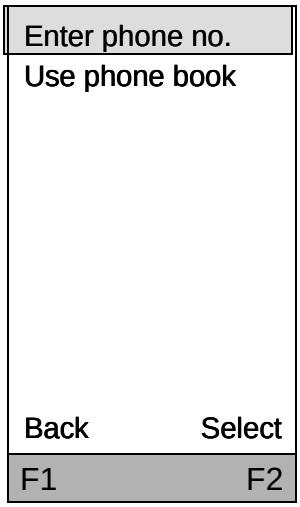
Press **[F2]** to send your message. Press **[F1]** to go back to your message.

If you want to save your message, use the toggle key to select **Save** and press **[F2]**. Your message will be saved in your Outbox.

To edit this message, use the navigation key to select **Edit** and press F2.

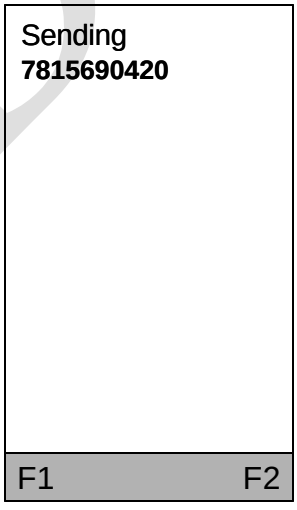
If you selected **Send**, select either **Enter phone no.** or **Use phone book.** Press **[F2]** to select.

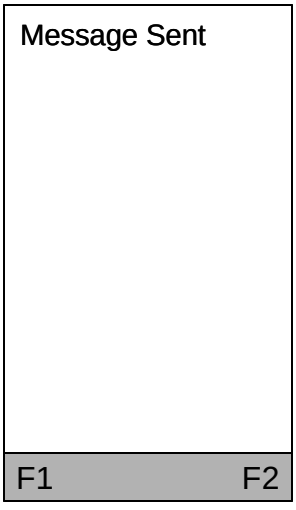




You will be prompted to enter a phone number or to access your phone book.

Press **[F2]** to send your message. Press **[F1]** to go back to the previous screen.





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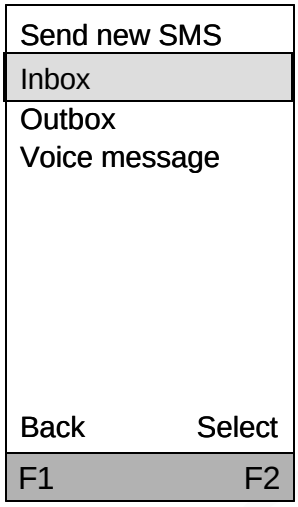
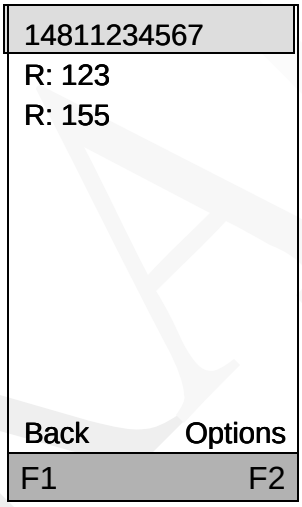
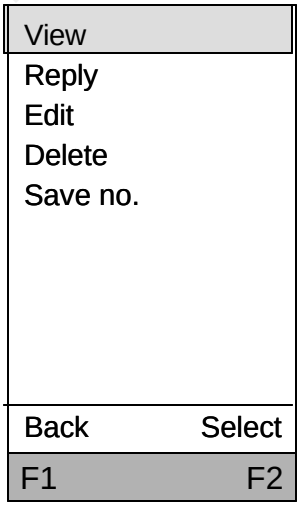
After your message has been sent, you will be returned to the **Messages** menu.



Use the toggle key to select **Inbox** and press F2. A list of messages in your inbox will be displayed.



Use the Navigation key to select a message then press **[F2]** for **Options.**



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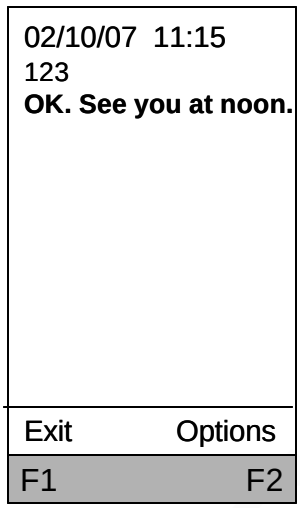
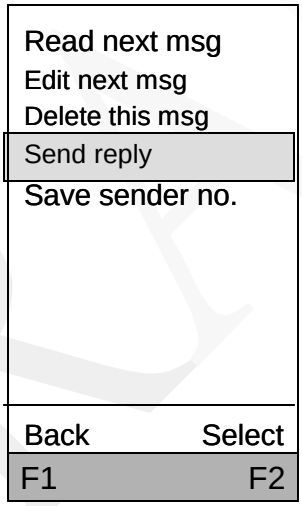
Use the Navigation key to select View then press **[F2]** to select.



Press **[F2]** to view Inbox message options.



Select **Send Reply** then press **[F2]** to select.

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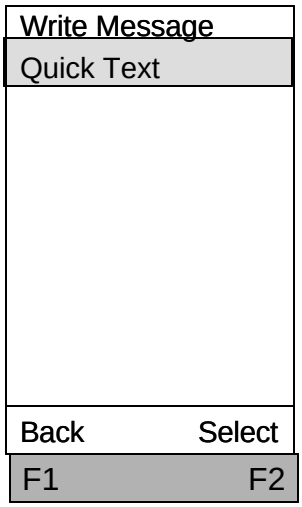
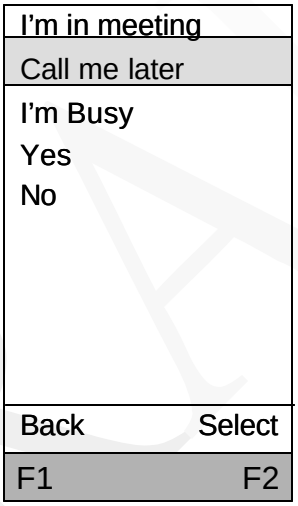
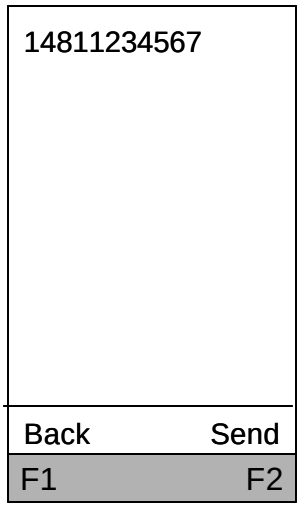


Select a reply option then press **[F2]**.



Select a **Quick Text** option then press **[F2]**.



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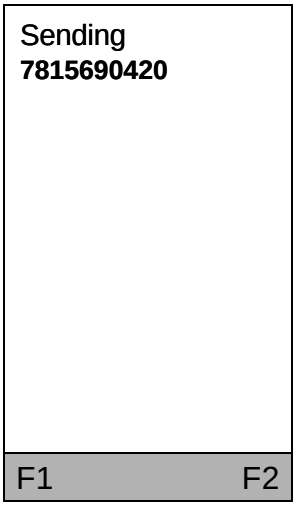
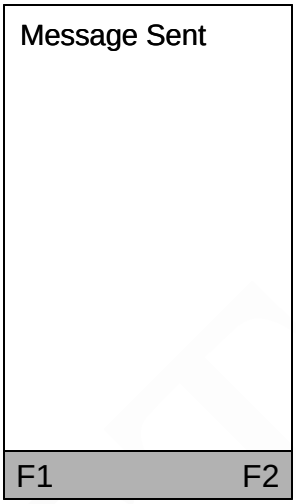
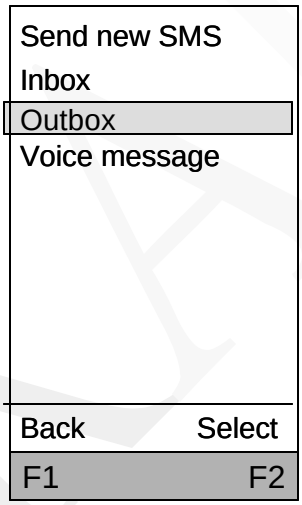
Press [F2] to send.

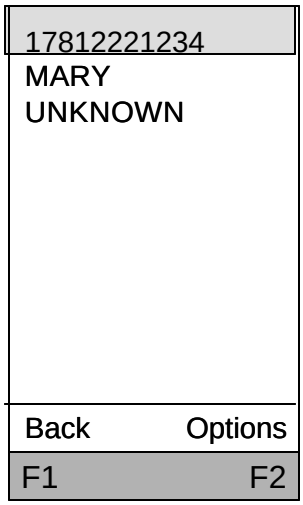




After your message has been sent, you will be returned to the **Messages** menu.

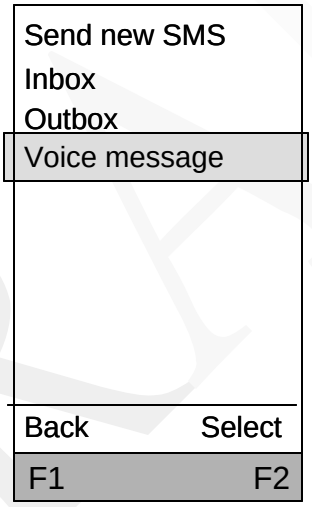


Use the Navigation key to select **Outbox**, then press **[F2].** A list of messages in your **Outbox** will be displayed.

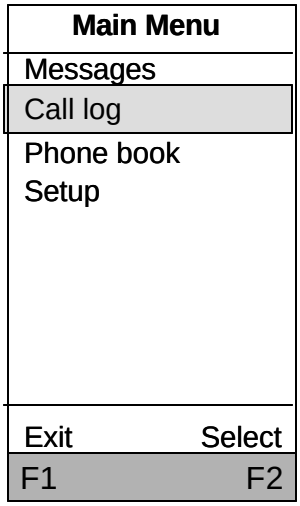


Use the Navigation key to select a message then press **[F2]** for **Options.**

Use the Navigation key to select an option then press **[F2]** to select. After completing your selected option, you will be returned to the Messages Menu.



Use the Navigation key to select Voice Message, then press **[F2].**



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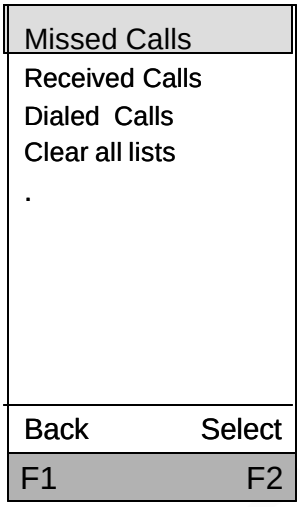
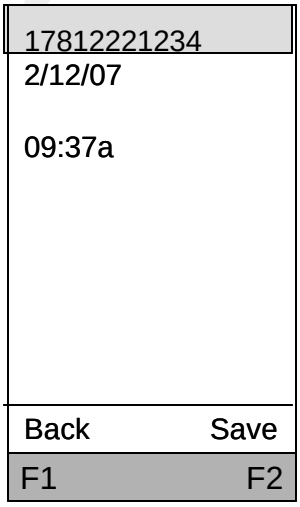
Press [F2] to select Call log.

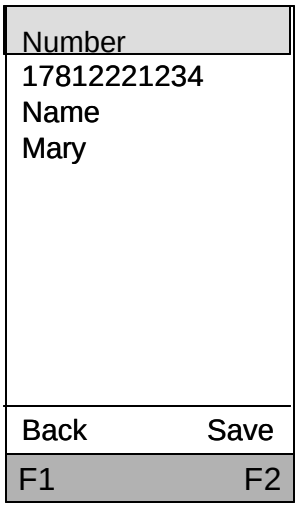


Use the Navigation key to select an option then press **[F2]** to select.

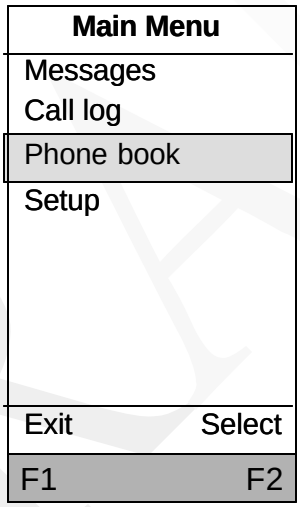
A list of calls is displayed. Use the Navigation key to select an option then press **[F2]** to select.



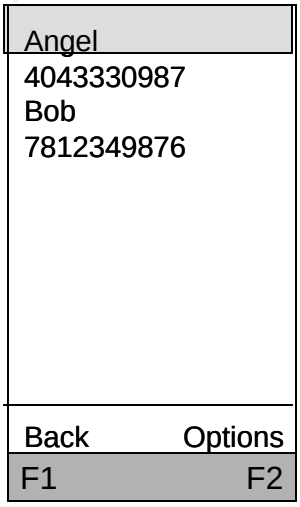
Press **[F2]** to select save the number to your address book.



You will be prompted to enter the name of the caller. Type the name and press **[F2]** to save. You will be returned to the call log options menu.

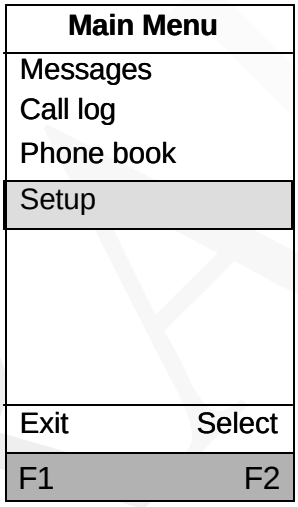


Press **[F2]** to select phone book.

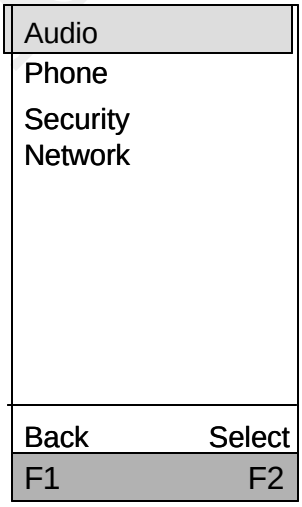


Use the Navigation key to select an option then press **[F2]**.

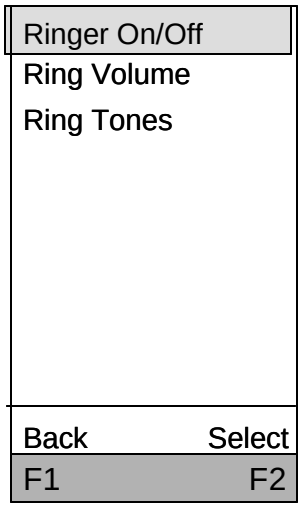
Use the Navigation key to select an option then press **[F2]**.



Use the Navigation key to select an setup then press **[F2]**.

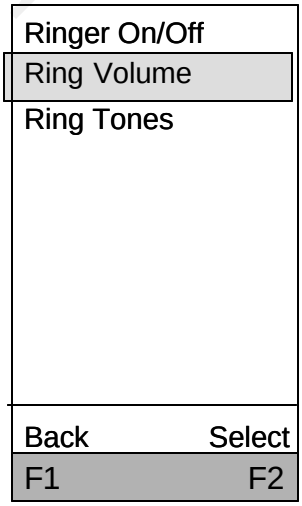


Press **[F2]** to select audio setup.

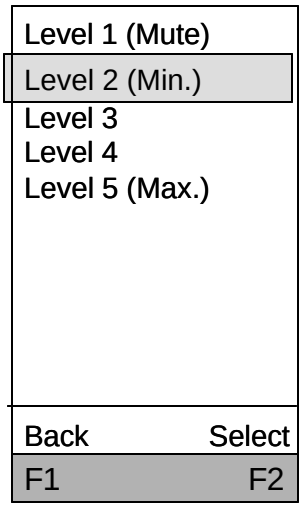


Press **[F2]** to select ringer **on/off**

Use the Navigation key to select an option then press **[F2].**

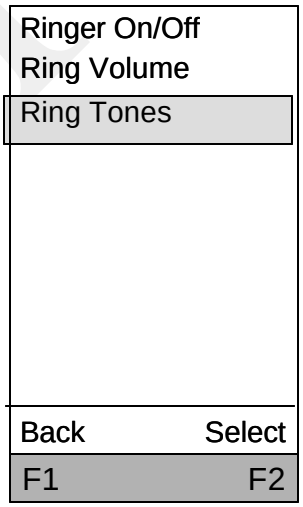


Use the Navigation key to select **Ring Volume** then press **[F2].**

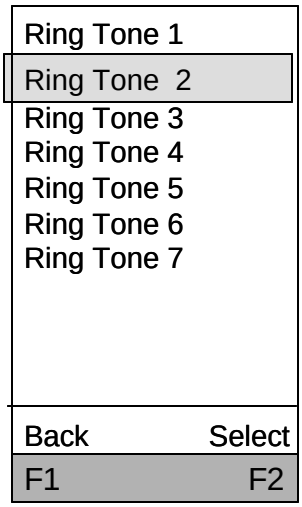


Use the Navigation key to select a ring volume level then press **[F2].**

This screen displays briefly then returns to the audio setup menu.

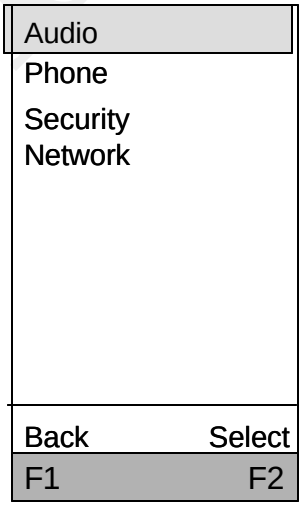


Use the Navigation key to select **Ring Tone** then press **[F2].**



Use the Navigation key to select a ring tone then press **[F2].**

This screen displays briefly then returns to the audio setup menu.



Press [F1] until you return to the desired screen.

10 Functional Description

10.1 GPRS Radio

- The radio is considered Class B device. “Class B mobile phones can be attached to both GPRS and GSM services, using one service at a time. Class B enables making or receiving a voice call, or sending/receiving an SMS during a GPRS connection. During voice calls or SMS, GPRS services are suspended and then resumed automatically after the call or SMS session has ended.”

10.2 Microprocessor

- USIP (Universal Secure Integrated Platform)
- Secure System On Chip (SOC)
- Hardware encryption
- Embedded devices (MSR, Smart card, LCD, USB 2.0, IrDA)
- Intrusion detection
- 32 bit RISC Processor, operating at 12 MHz-96 MHz
- Internal: 128K SRAM, 256K FLASH, 128K ROM
- EMV Level 1 compliant

10.3 Memory

- Flash 16 Megabytes expandable to 32 megabytes
- SRAM 1 Mega Byte, expandable to 2 Megabytes (factory build option, not field expandable)

10.4 SIM

- One SIM slot. Required for wireless functionality.

10.5 SAM

- (Secure Access Module) Capable of supporting up to two SAM cards at once
- Supports Europay, MasterCard. Visa… SAMs

10.6 USB

- USB OTG. Master/Slave

10.7 Audio Jack

- Supports standard cellular headsets, with speaker and microphone
- 2.50 mm diameter

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10.8 MSR

- Three track magnetic head, with flex circuit interconnect
- Low power
- Integrated ASIC F2F decoder
- Read all standard ISO cards

10.9 IrDA

- Compatible with both Woosim and Way printers
- Speed: Maximum 57.6K Baud
- Communication angles: +/- 15°

10.10 Battery

- Way Systems part number 36-0003-01

10.11 Battery Charger

- A fast charge, intelligent, Lithium Ion battery charger, conditions and charges the phone's internal battery in less than three hour, shutting off automatically after the battery is topped off.

10.12 Charge Indicator

Charge status	LED Color
Charge Disabled or Low Supply	OFF
Charge Enable Without Battery or Fault	Yellow
Battery Charging	Red
Charge Completed	Green

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11 Specification:

11.1 Class:

- Class B device

11.2 Operating frequencies:

- Domestic (MC56): 850 MHz, 1800 MHz, 1900 MHz
- International (MC55): 900 MHz, 1800 MHz, 1900 MHz

11.3 Battery Type/Capacity:

- 3.6V, 1000 mAh Lithium Ion battery
- Battery life will vary due to signal strength, temperatures and features

11.4 SIM

- Compatible with all 1.8V, 3.0V and 5.0V SIMs

11.5 SAM (2)

- Compatible with all 1.8V, 3.0V and 5.0V SAMs

11.6 USB (OTG)

- USB 2.0
- Connector: B-Type

11.7 Wall charger:

- Designed to interface with all (5.0V +/- 0.5V) USB cell-phone (car/wall) chargers, or any standard PC USB port.

11.8 Weight:

- 6.2 Ounces (Excluding case).

11.9 Size:

- 124mm (L) x 59mm (W) x 30mm (H)

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12 REQUIREMENTS OF PART 15 - FCC RULES

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference received, including interference that may cause undesired operation.

(3) The FCC label is located inside of the battery compartment

Information to the User - Part 15.105 (b)

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and receiver; Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

Warning (Part 15.21)

Changes or modifications not expressly approved by Way Systems could void the user's authority to operate the equipment.

13 SAR (Specific Absorption Rate)

Definition: SAR is the measure of the rate of absorption of radio frequency (RF) energy in the human body.

This product meets the government's requirements for exposure to radio waves, and complies with the EU Directive 1999/519/EC EMF for Mobile and Portable devices. The way5000 is a wireless radio transmitter and receiver designed and manufactured by Way Systems, not to exceed limits for exposure to RF energy set by the Federal Communications Commission (FCC), and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.1 Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the device

transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the way5000 while operating can be well below the maximum value. This is because the way5000 is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output. Before a portable device is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., hand-held, head, ear...) reported to the FCC and available for review by Industry Canada. The highest SAR value as measured on the way5000 are: head-0.553 W/kg, body-0.905 W/kg.

Additional information on SAR can be found CTIA Web site:

http://www.phonefacts.net

In the United States and Canada, the SAR limit for portable device used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

14 SAFETY INFORMATION

Approved Accessories

Only body worn approved way5000 accessories may be used. Operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly. Using accessories not supplied or approved by Way Systems, may cause your device to exceed RF energy exposure guidelines.

Pacemakers

If you have a pacemaker, consult your physician before using this product.
Persons with pacemakers should observe the following precautions:

1. When In the ON position, **ALWAYS** keep the way5000 more than 20 centimeters (8 inches) from your pacemaker
2. **Do not** carry the way5000 in the breast pocket.
3. Turn OFF the way5000 immediately if you have any reason to suspect that interference is taking place.

Battery

1. Use only Way Systems, Inc. approved battery replacements.
2. Dispose of used batteries according to local codes pertaining to rechargeable batteries.
3. Do not dispose of batteries in fire, as they may explode
4. Do not attempt to remove the batteries and charge them in a separate charging unit.
5. Do not short-circuit the battery pack, as this may cause it to explode or catch fire.

Caution

Contact you local recycling center for proper battery disposal

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 and become very hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

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