



Hop-On Wireless
Handset Research and Development Center

Hop-On Handheld Phone User's Guide

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1 Overview

This is a preliminary draft for the Hop-On Handheld Phone User's Guide. The manual describes how to use the Hop-On Handheld phone, which consists of LCD readout, the microphone, the speaker, and the keypad with seventeen buttons (keys):

- Left Soft Key
- Right Soft Key
- Four-Way Scroll Key
- TALK (SEND) Key
- END Key, and
- 12 Numeral Keys.

The handset is a full-function phone, which can make a call, receive a call, and provide other common functions invoked from the menu system. The layout is shown in Figure 1.

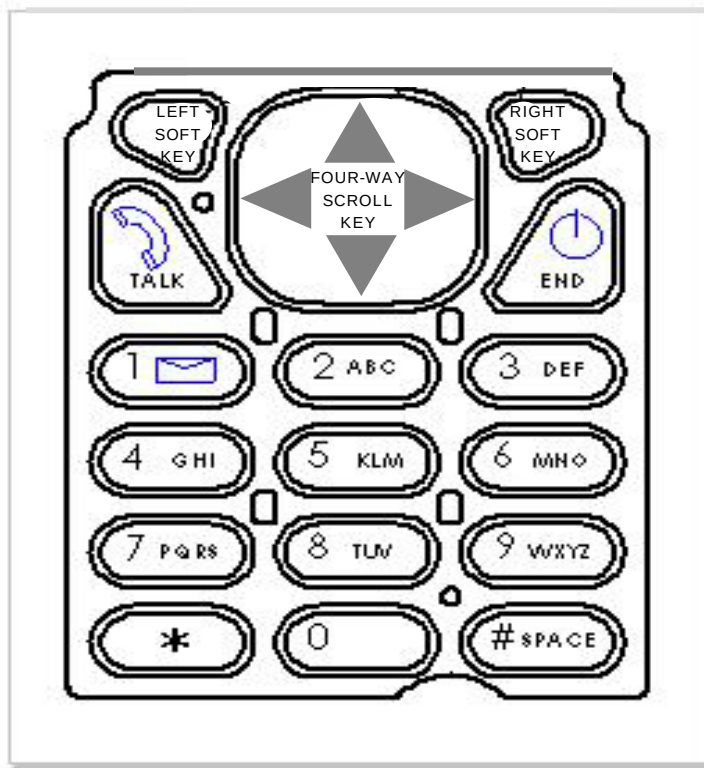


Figure 1 – Hop-On Handset Layout

2 Basic Operations

The section describes basic operations of the phone. Additional operations are provided in subsequent sections.

Unless specified otherwise, all instruction steps begin with the phone in Idle State, where the phone is powered on and ready.

Turn On The Phone

- Press and momentarily hold the END Key.

When the phone is off, this action will turn on the phone; when it is on, the action turns off the phone.

Place A Call

- Turn on the phone and make sure there is a service;
- Dial a number to call;
- Press TALK Key.

Receive A Call

When the phone rings, buzzes, or vibrates, which indicates that a call is incoming,

- Press TALK Key.

End A Call

- Press END Key.

Adjust Speaker Volume

The speaker volume can be adjusted in two ways:

During conversation:

- Press the Up/Down arrows on the Four-Way Scroll Key to tune the speaker volume high/low.

Using the menu:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Settings*, and then press Left Soft Key (Select).
- Move Cursor to select *Phone Settings*; press Left Soft Key (Select).
- Move Cursor to select *Speaker Volume*; press Left Soft Key (Select).
- Press Up/Down arrows in the Four-Way Scroll Key to adjust the volume.

Adjust Ringer Volume

The ringer volume can be adjusted in two ways:

During the phone ring (indicating an incoming call):

- Press the Up/Down arrows on the Four-Way Scroll Key to tune the volume high/low.

Using the menu:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Settings*, and then press Left Soft Key (Select).
- Make sure Cursor point to *Phone Settings*; press Left Soft Key (Select).
- Move Cursor to select *Ringer Volume*; press Left Soft Key (Select).
- Press Up/Down arrows in the Four-Way Scroll Key to adjust the volume.

Last Number Redial

To redial the last number:

- Press and hold the SEND Key.

3 Calling Features

Any-Key Answer

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Settings*, and then press Left Soft Key (Select).
- Move Cursor to select *Call Settings*; press Left Soft Key (Select).
- Move Cursor to select *Any Key Answer*; press Left Soft Key (Select).
- Move Cursor to select *On*, to enable, or *Off*, to disable, and then press Left Soft Key (Select).

Automatic Answering

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Settings*, and then press Left Soft Key (Select).
- Move Cursor to select *Call Settings*; press Left Soft Key (Select).
- Move Cursor to select *Auto Answer*; press Left Soft Key (Select).
- Move Cursor to select *On*, to enable, or *Off*, to disable, and then press Left Soft Key (Select).

Automatic Redial

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Settings*, and then press Left Soft Key (Select).
- Move Cursor to select *Call Settings*; press Left Soft Key (Select).
- Move Cursor to select *Auto Redial*; press Left Soft Key (Select).
- Move Cursor to select *On*, to enable, or *Off*, to disable, and then press Left Soft Key (Select).

Speed Dialing

For a single digit speed dial:

- Press and hold the speed dial digit.

For a double-digit speed dial:

- Press the first digit;
- Press and hold the second digit.

Alternatively:

- Press speed dial number (which may be one or two digits);
- Press SEND.

4 Memory Features

Phone Book

- Press Right Soft Key.

Alternatively:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Phone Book*, and then press Left Soft Key (Select).
- Move Cursor to select *Find Name*; press Left Soft Key (Select).

Call History

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Call History*; press Left Soft Key (Select).
- Move Cursor to select a history folder:
 - *Incoming Calls*
 - *Outgoing Calls*
 - *Missed Calls*
- Press Left Soft Key (Select).

To delete entries in a call history folder:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Call History*; press Left Soft Key (Select).
- Move Cursor to select *Clear Call Logs*; press Left Soft Key (Select).
- Move Cursor to select the history folder to delete its entries:
 - *Clear Incoming*
 - *Clear Outgoing*
 - *Clear Missed*
 - *Clear All Calls*
- Press Left Soft Key (Select).
- Press Left Soft Key (OK) to confirm.

5 Management Features

Display Own Number

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Phone Book*; press Left Soft Key (Select).
- Move Cursor to select *Show Own Number*; press Left Soft Key (Select).

Permanent Lock Code

To lock the phone:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Security*; press Left Soft Key (Select).
- Move Cursor to select *Permanent Lock*; press Left Soft Key (Select).
- Move Cursor to select *Lock Phone*; press Left Soft Key (Select).
- Enter the Lock Pin, and press Left Soft Key (OK).

To change the permanent lock:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Security*; press Left Soft Key (Select).
- Move Cursor to select *Permanent Lock*; press Left Soft Key (Select).
- Move Cursor to select *Change P Lock*; press Left Soft Key (Select).
- Enter the original Lock Pin, and press Left Soft Key (OK).
- Enter the new Lock Pin, and press Left Soft Key (OK).

To unlock the phone:

- Enter the permanent lock code.

Temporary Lock Code

To set the temporary lock:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Security*; press Left Soft Key (Select).
- Move Cursor to select *Temporary Lock*; press Left Soft Key (Select).
- Move Cursor to select *Set T Lock*; press Left Soft Key (Select).
- Enter the Temporary Lock Pin, and press Left Soft Key (OK).

To change the temporary lock:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Security*; press Left Soft Key (Select).
- Move Cursor to select *Temporary Lock*; press Left Soft Key (Select).
- Move Cursor to select *Change T Lock*; press Left Soft Key (Select).
- Enter the original Temporary Lock Pin, and press Left Soft Key (OK).
- Enter the new Temporary Lock Pin, and press Left Soft Key (OK).

To reset the temporary lock:

- Enter the temporary lock code.

Keypad Lock

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Security*; press Left Soft Key (Select).
- Move Cursor to select *Keypad Lock*; press Left Soft Key (Select).

To unlock the keypad:

- Enter the keypad lock pin.

6 Short Message Service

Reading a Message

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Messages*; press Left Soft Key (Select).
- Move Cursor to select the folder to read (*Inbox Messages* or *Outbox Messages*); press Left Soft Key (Select).
- Move Cursor to select a message from the message folder; press Left Soft Key (Select).

Create a New Message

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Messages*; press Left Soft Key (Select).
- Move Cursor to select *Create New Msg*; press Left Soft Key (Select).
- Move Cursor to select:
 - *Input*, if the message is intended for a recipient whose phone number is not stored in the phone book;
 - *Phone Book*, if the message is to be sent to a recipient whose phone number is already in the phone book;
- Press Left Soft Key (Select) to select the option.
- Do one of the following:
 - If new input, enter the phone number, and then press Left Soft Key (OK).
 - If Phone Book, select an entry, and then press Left Soft Key (OK).
- Edit the contents of the message, and then press Left Soft Key (OK) to finish editing.
- Move Cursor to select:
 - *Send*, to send the message out;
 - *Save*, to save the message for future use.
- Press Left Soft Key (Select) to select the option.

Delete Message in Folder

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Messages*; press Left Soft Key (Select).
- Move Cursor to select *Delete Messages*; press Left Soft Key (Select).
- Move Cursor to select the folder:
 - *Inbox*
 - *Outbox*
 - *All* (for messages in both *Inbox* and *Outbox* folders)
- Press Left Soft Key (Select).
- Press Left Soft Key (OK) to confirm.

Voice Mail

- Press and hold the '1' Key.

Alternatively:

- Press Left Soft Key (Menu), to go to Main Menu.
- Move Cursor to select *Messages*; press Left Soft Key (Select).
- Select *Voice Mail*; press Left Soft Key (Select).

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7 Disclaimers

Cautions

- Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment and void your warranty to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and will invalidate the phone warranty if said accessories cause damage or a defect to the phone.
- Although your phone is quite sturdy, it is a complex piece of hardware and can be broken. Use common-sense guidelines to avoid dropping, hitting, bending, or sitting on it.

Specifications Subject to Change

- The information contained in this manual is believed to be correct at the time of printing.

FCC Compliance Information

- This device complies with Part 22 and Part 24 of the FCC Rules.

CAUTION

- This device has been tested for Specific Absorption Rates (SAR) as specified in the FCC document, "Guidelines for Human Exposure to Radio-frequency (RF) Electromagnetic Fields". This device is SAR compliant and authorized for the following types of operations:
 - Hands-free operation with ear-piece and microphone
 - Handheld operation to ear
 - Hip-mounted operation
- Use of any accessories, which were not included, the SAR evaluation may cause the device to be non-compliant with FCC SAR regulations and should be avoided.

Information to the User

- This equipment has been tested and found to comply with the limits of FCC Part 15, Subpart B, Class B limits as a radio receiver. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient / relocate the receiving antenna.

- o Increase the separation between the equipment and receiver.
- o Connect the equipment into an outlet on a circuit other than that to which the receiver is connected.
- o Consult the dealer or an experienced radio/TV technician for help.

Electronic Serial Number (ESN)

This phone is equipped with a 32 bit binary ESN number that uniquely identifies this phone and has been programmed into internal memory by the manufacturer. Any attempt to change the ESN number will render the phone inoperative. The emergency call (911) will however remain operative.

8 Appendix: Menu Tree

LSK = Left Soft Key.

RSK = Right Soft Key.

Phone Book	Find A Name	Get to Main Menu from Idle State by pressing LSK. Can get to phone book from Idle by pressing RSK. Type a char to search ↓ Name: 01 Alpha 42 Bravo 13 Charlie 05 Delta 22 Echo <i>Select Back</i>	13 Charlie 214-123-1234 Ring: Chirp <i>Edit Back</i>	13 Charlie 214-123-1234 Ring: Chirp <i>Save Back</i>	RSK returns to prev menu; left arrow deletes char. LSK=Delete, but a change in contents sets it to Save.
	Add New Entry	Slot: Name: Number: Ringer type: <i>Save Back</i>			
	ShowOwn Number	<i>Display own#</i>			

Call Logs	Incoming Calls	Bob 972-123 Ann	One entry displayed	Save	Enter Name
		Select Back	Options Back	Delete	Confirm?
	Outgoing Calls	Home	One entry displayed	Save	Enter Name
		Select Back	Options Back	Delete	Confirm?
	Missed Calls	Mike Jane	One entry displayed	Save	Enter Name
		Select Back	Options Back	Delete	Confirm?
	Clear Call Logs	Clear Incoming	Confirm?		

		Clear Outgoing	Confirm?	
		Clear Missed	Confirm?	
		Clear All Calls	Confirm?	
	Airtime	Total 12:10:50	Clear Airtime	Confirm?

Get to Voice Mail
Menu from Idle
by pressing
and holding "1".

Messages	Inbox Messages	01 Hello there 02 Luch at no	Selected msg details	Call Back		
				Delete	Confirm?	
		Select Back	Options Back	Reply	Enter Contents	Send
	Outbox Messages	01 I'm late 02 pick up ki 03 call back	Selected msg details	Delete	Confirm?	
				Resend		
	Create New Msg	Input	Enter Phone Number	Enter Contents	Send	
		Phone Book	List names		Save	
	Delete Messages	Inbox	Confirm?			
		Outbox	Confirm?			
		All	Confirm?			
Voice Mail	Listen					

Settings	Phone Settings	Speaker Volume	Volume Bar
		Ringer Volume	Volume Bar
		Backlight	On
			Off
		Ringtone	Regular
			Intermittent
			Chirp

		Alert Settings	Fast Chirp	
			Page Alert	
			Ring Only	
			Ring Vibrate	
			Vibrate Only	
			Off	
		Language	English	
			Spanish	
		Banner	Edit	Howdy!
			Download	
		Features Reset	Confirm?	
	Call Settings	Any Key Answer	On	
			Off	
		Auto Answer	On	
			Off	
		Auto Redial	On	
			Off	
		NAM Select	A	
			B	
		Roaming	On	
			Off	
		1 Minute Alert	On	
			Off	
		DTMF Tone	Long	
			Short	
	Time Settings	Set Alarm	09:00 On Off Daily Once Edit Back	09:00 On Off Daily Once Save Reset
		Set Date/Time	MM/DD/YYYY HH:MM Save Back	In Editor, time is always 24-hour format
		Set Time Format	24-Hours	

			AM/PM
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Security	Keypad Lock	(unlock pin)		
	Permanent Lock	Lock Phone	Enter Perm Lock code	
		Change P Lock	Enter old code	Enter new code
	Temporary Lock	Set T Lock	Enter Temp Lock code	
		Change T Lock	Enter Perm Lock code	Enter new Temp code
	Call Restriction	Enter Restrict code	Enter Phone No	
	Call Block	New Number	Enter Phone Number	
		Phone Book	List names	