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Note: Hop-on Wireless reserves the right to change or improve the product design, specifications, and other descriptions in this manual without prior notice. Hop-on also reserves the final explanation right for this manual.

WELCOME TO HOP-ON WIRELESS

Congratulations on purchasing a Hop-on Wireless cellular phone!

This User's Manual introduces you to your new Hop-on cellular phone through simple and easy-to-follow instructions. You are probably anxious to start using your phone. We do encourage you to immediately go to Section 1: Basic Operations. It contains all the information you need to quickly activate your phone, set up and much more. Then, familiarize yourself with our features by going through Section 6: Features Menu. Enjoy!

Thank you for choosing Hop-on Wireless.

1. BASIC OPERATIONS

This section walks you through the step-by-step basics of setting up service for your Hop-on Wireless Phone. Once you have completed this section, you are ready to explore the advanced features of your new phone.

Switching ON

To turn your phone on, press and hold the POWER key.

Once the phone is ON, it will automatically search the network. When the handset is registered in a network, the network name will be displayed on the screen. You are now ready to make and answer calls. If the screen displays "Please insert SIM card", switch the phone off by pressing and holding on POWER. Remove the battery and install your SIM card in the designated slot. If a password or PIN code is required, enter the correct password. For security purpose, the code will not be visible as you type. Then, press the Left Soft Key for confirmation. After the phone is unlocked, the handset will indicate the name of the registered network and the signal intensity. Please contact your network supplier if you do not know your PIN code. The handset default password is 1234.

Switching OFF

To turn off the handset, press and hold the POWER key.

The handset will be switched off after the log-off animation. Do not attempt to switch off the phone by directly removing the battery. This may result in SIM card memory loss.

Communication Control Keys

- **CALL/END CALL Keys:** Press the CALL key to answer an incoming call and

to make a call after entering the phone numbers. In standby mode, press the CALL key to display the latest call records (all answered, missed and dialed calls, maximum 30 numbers). Press CALL twice to dial a record selected. Press END CALL key to end a call or to return to standby mode from menu. END CALL button also serves as power on/off button when pressed and held for 2 seconds.

- DIRECTION Keys and Right/Left Soft Keys: In standby mode, press the DIRECTION key to navigate the main menu or browse menu items. Press the Left Soft Key to access the phone book directly. In menu, the functions of the both Soft Keys are displayed at the bottom line of the main screen.
- Numeric Keys: Keys from **0** + to **9** ^{WXYZ}, *****, and **#** are used to dial numbers and enter passwords, English letters, symbols, characters etc.

They can also be used to select menus. Press and hold **1** to **9** ^{WXYZ} keys for more than 2 seconds to quickly dial the phone number correspondingly to the shortcut key. (Please see Section 6.3 for shortcut key setup).

Main Screen Display Icons

There are 8 icons in total on the first line of the screen:



Antenna.



Signal Intensity.



Keypad lock.



Alarm clock is enabled.



Voice mailbox. Icon flashing means message storage is full.



Battery indicator.

During the handset operational process, there are some symbols to help you operate the phone:



Ring.



Ring after vibrate.



Vibrate.



Mute mode.



Access the phone book function.



You have unread messages or info message (or also known as cell broadcasts).

Receiving Prompt Modes

With a built-in vibrating motor and a buzzer, the handset can offer the following prompt modes for receiving calls:



Ring.



Vibrate.



Ring after vibrate.



Mute mode.

STK Function

The handset supports STK (SIM Tool Kit) function. The menu items are pre-determined by the SIM card network provider. The function is only available when the STK service is provided by the network and when your SIM card supports the STK function. In this case, the STK menu will be added automatically to the end of the handset's main menu accordingly.

IMEI (International Mobile Equipment Identify)

Switch off the handset and unload the battery, you can see the bar code label at the back of the handset. The code stored in the handset can be displayed by

entering “*# 06 #” in standby mode. It is required by law to have this identification code printed on your phone. The IMEI code for each handset is unique globally.

Enhanced Full Rate Coding (EFR)

This handset has Enhanced Full Rate Coding function. It does not need to be preset. The handset can detect the network system automatically. If this service is provided by your network, the handset can automatically activate the function to supply you with good sound quality and high receptivity.

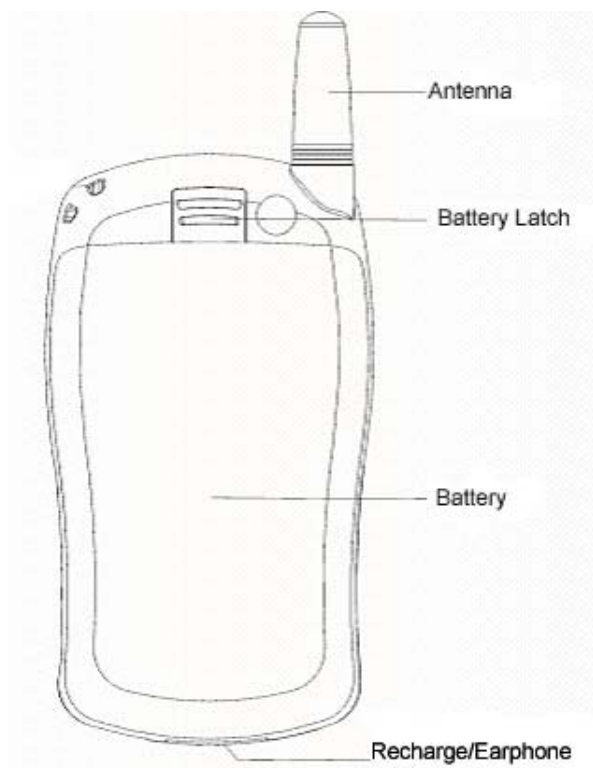
2. PHONE LAYOUT

The handset has 18 keys, a display screen, a built-in vibrating motor, and a recharge jack.

The Front Schematic Layout



The Back Schematic Layout



3. SPECIFICATIONS

SPECIFICATIONS	PARAMETERS
Size	81x45x16 mm
Weight	63g
Volume	55 cc
Bands	Tri-band 900/1800/1900 MHz
LCD	128x64 LCD
System Connector	DC jack, earphone jack
SIM	STK (Sim Tool Kit)
Battery	Standard Li-Ion 550 mAh
Battery Life	Talk time 4 hours, Standby time 150 hours
Travel Charger	5V DC; 110-220 V AC Adaptor
Short Message Service (SMS)	Point to Point SMS
T9	Predictive text input
Phone Book	200 entries
Speed Dial	8 locations
Call Features	Call Waiting, Call Forwarding
Call List	10 missed, 10 dialed, 10 received
Keypad Lock	Yes
Languages	English, Spanish, Portuguese
Game	Yes
Calculator	Yes

4. GETTING STARTED

Charging the battery

Your Hop-on Wireless HOP1806 is equipped with a Lithium Ion (Li-Ion) battery. Charge the battery before using the phone. A new battery will reach its nominal capacity after fully charged and discharged a few times later. In order to use the battery at its optimum mode, we recommend discharging the battery completely once a month. To do so, simply keep your phone on until the battery runs out. To charge the battery, attach it to the phone, then, connect the supplied AC adapter. Make sure the direction sign is facing upward. When the handset is charging, the symbol of the battery indicator increases gradually from right to left. The handset can be charged under both ON or OFF status. When the battery is fully charged, the battery indicator shows full grid. To remove from the power supply, unplug the handset from the cable by pressing the buttons on both sides.

Notes on Charging:

- When charging the battery, avoid:
 - Charging for long periods of time. It will reduce battery life.
 - Charging in temperatures below 32°F (0°C) or over 104°F (40°C).
 - Charging the battery in direct sunlight or in places with high humidity (such as bathroom).
- Do not expose the battery to temperatures above 140°F (60°C). For example, do not leave the battery in direct sunlight on the dashboard of a vehicle.
- It is normal for the battery to become slightly warm during charging or using.
- Be sure to switch off the handset before unloading the battery, otherwise, it will shorten the lifespan of the handset and the data saved may be lost.

Checking the Battery

The battery lasts approximately as indicated in the following table before it needs to be recharged. Battery life may vary depending on conditions of use.

Type of battery	Standby time	Talking time
Li-ion battery	50-150 hours	150-250 minutes

When the battery is low, the handset will give off a warning tone and display "Low Battery" on the screen. When the power is completely drained, the handset will automatically switch off.

Note: To ensure safety usage, do not tamper with the battery. We also suggest only using the battery and charger supplied with your Hop-on phone.

5. MAKING AND ANSWERING CALLS

Making Calls

Use the number buttons to enter the numbers. If you enter the wrong digit, press the Right Soft Key to back up or press and hold to clear the entire entry. When a call is established, you will hear a connecting prompt tone. Call meter or call charge will be displayed on the screen. If a call is not established, there might be one of several reasons:

- LINE BUSY... means the recipient is busy or the network has no spare line. If the auto-redial function is preset, the handset will redial automatically.
- REFUSED... means the call has been blocked by the receiving party.

Dial with Shortcut Key

The handset provides 9 shortcut keys. You can customize the phone numbers corresponding to the keys (see **Phone Book** for detail information). In this case,

you can make a quick call by press and hold **1** to **9WXYZ** key in standby mode.

Note: For speed dialing, you have to press and hold key (1-9) for over 2 seconds. You need to define your shortcut key beforehand. Please refer to Section 6.3.

View Last Numbers

The handset can save up to 30 latest communicating numbers. Press and hold the CALL key in standby mode can display the latest numbers. You can press the CALL key again to directly dial the number by selecting the number required with the DIRECTION keys.

Send DTMF

When DTMF (Dual Tone Multiple Frequency) function is set, the numeric key you entered from the keypad * and # key will be transmitted to the recipient as DTMF tone.

Mute Function

During a call, press the Right Soft Key to mute the microphone. You will see “Call Mute” at the lower right corner of the screen. In this situation, the recipient cannot hear you, but you can still hear him (the earpiece is still on), re-press the Right Soft Key to enable the microphone. Press END CALL button to hang up.

Call Waiting

You can only use this function if you subscribe to the value-added service of call waiting. The following function menu will occur when pressing the Left Soft Key during a call.

- Volume: To adjust sound volume.
- Hold: To hold an ongoing call, then, make another call.
- Hang up: To end the current call.
- Mute: To shut off the microphone.
- On/Off DTMF: To enable/disable function for calling another extension.
- Main menu: To access phone book and message menu.
- Conference call: To access conference call.

Press the DIRECTION key to switch between the two calls. If the current call is put on hold, another function menu can occur by pressing the Left Soft Key during the call:

-
- Volume: To adjust sound volume.
 - Switch: To hold/activate the call.
 - Hang up: To end the current call.
 - Mute: To shut off the microphone.
 - On /Off DTMF: To enable/disable function for calling another extension.
 - Main menu: To access phone book and message.
 - Conference call: To access conference call.

Press END CALL key to hang up all calls.

Read Short Message

When new messages arrive, the screen will display the list. You can access the list to read the message(s).

Missed Calls

When you miss your incoming calls, the main screen will display the list. You can access the list to view the details of unanswered call(s).

Cell Broadcast

When cell broadcasts arrive, the screen will display the list. You can access the list to read the cell broadcast(s).

Connect to Voice Mailbox

The handset allows you to forward the incoming calls to a voice mailbox. The number of the voice mailbox center must be preset. You can preset your Voice Mailbox in Messages Menu under Voicemail.

Answer Calls

When an incoming call arrives, you will be prompted in the following ways: ringing, vibrating or backlight flashing, according to your handset settings.

- To answer a call, press the CALL key.
- Press the END CALL key to reject the call.

If you subscribe to Caller ID function, the phone number of the incoming call will be displayed on the screen. If the number has already been saved in the phone book, the name will also be displayed on the screen.

6. FEATURES MENU

6.1 Message Functions

This handset supports the short message function. A message is sent to the short message center of the network, then, to the targeted user by the network. If the targeted user does not log on or fails to receive the message (i.e. full memory), the network will temporally store the message for a designated period of time. To transmit and receive short messages, you may have to subscribe to the service from your network supplier in advance unless it's already included in your service. Not only does this phone support the normal short message service, but also the enhanced Short Message Service (EMS). This means that you are able to receive messages with attachments (e.g. inserted pictures, ringing, and animations, etc.) If the memory of short message is not full, a message will be saved directly in the SIM card. When icon  is flashing on the top row of the main screen, it means the memory is full. When viewing or editing a message, press the DIRECTION key to scroll the message pages, press and hold the direction key to move the cursor on a character basis.

Inbox: You can view the received messages in Inbox.

- Edit: To access short message edit box.
- Delete: To delete the current message(s).
- Forward: To forward the message to another person.
- File: To save the received message in the Favorite.
- Text reply: To reply to the received message in text.
- Voice reply: To reply to the received message in voice.

 **Outbox**: You can read the message(s) here before you send it.

□**Write messages**□: You can create new message(s) in this menu.

- Complete: To handle the message.
- Send: To transmit message(s). You can input the phone number directly, or press the DIRECTION key to access the phone book list to select the number.
- Save: To save the edited message in the SIM card.
- File: To save the edited message in the Favorite of your handset.
- Options: There are a few options you can choose from when writing messages.
 - o T9 Options: MultiTap, T9 Symbol, T9 Number, T9 English.
These options are available whenever you input information.
 - o Insert Item: Picture, Animation, Melody, Message, Emoticon.
 - o Apply Format: Italic, Strikeout.

□**Favorite**□: You can save messages in the handset.

Under the root directory, press the CALL key to access the directory and the subfolder list. You can create, save, delete, edit, rename, etc. a file or a folder as required. After accessing the Favorite, press the Left Soft Key for four menus:

- Info: To provide type of files, total and residual space, etc.
- Delete: To delete the selected files or folders.
- Rename: To rename a selected file or folder.
- New folder: To create a new folder under the current directory.

Message settings : You can preset message parameters.

- Message Center: To send a message, you must enter the number of the local short message center in advance (provided by the network supplier.).
- Message Lifetime: The valid retention time of a message (i.e. one hour,

two days, etc.).

- Message Format: To select the type of message (i.e. Normal, Fax, etc.).

□Voicemail

- You can call the voice mailbox to listen to a message. To call a voice mailbox, you have to preset the number of the voice mailbox center in advance. This number is provided by your network supplier.
- Get V-mail: To retrieve your voice mail.
- Voicemail settings: The setting of the voice mailbox.
 - o Box Numbers: Your handset is preset with two mailboxes - Home Mbox and Roam Mbox.
 - o Alert Match: You can also set an alert for a specified phone numbers.

□Info Message□: Info message, also known as, cell broadcast is the information service to all GSM users in a specific locale sent by the network supplier, such as weather forecast, transportation conditions, etc.

- Read: To read a cell broadcast in this menu.
- Settings: To preset cell broadcast.
 - o Language: To select a language for cell broadcast display.
 - o Set Info Subject: To preset the band of cell broadcast.
 - User Defined: To define your own subject.
 - Current List: To view the existing list. There is a list of folders for you to store your Info Message (i.e. Taxis, Weather, etc.).

6.2 Recent Calls

All calls : To display the call time and duration of the answered and dialed calls. It also indicates the incoming time and dates of missed calls.

□**Missed calls**□: To display all receiving time and dates of missed calls. Press the CALL key to dial out the phone number directly.

Received call : To display all call time and duration of the received calls.

Dialed calls : To display all the phone numbers, call time and duration of the dialed calls.

Call info : To display call information.

Call costs:

- Last call: To inquire the fee of the last call.
- All calls: To inquire the fee of all calls.
- Clear logs: To clear the call charging records.
- Cost units: To inquire and preset the unit of call charges.
- Max cost: To inquire the top call charges and setup the max charges.

Call timers:

- Last call: To inquire call time of the last call.
- All calls: To inquire call time of the all calls.
- Clear logs: To clear the call time records.

Note: Call costs and timers are network functions. Therefore, they need to be supported by your network supplier.

6.3 Phone Book

This handset provides two kinds of memory: SIM card memory and handset memory. The storage of the SIM card depends on the type of your SIM card.

Enter numbers to be stored in the standby mode and press the Left Soft Key to save. In standby mode, press the Left Soft Key to access phone book menu. Select “Complete” and access the phone book list. You can store up to 200 phone entries.

□View□

- View details: To view the detailed information of the record. The detailed information includes number information, email address, etc. The icon on the left of the first row displays the memory of the record. The display on the right indicates the storage location of record and the total number of records in the corresponding memory.
- Search by name: To search the record by a specific name.
- Edit: To edit the options.
- Delete: To delete the selected options.
- Add new name: To add a new record in phone book.

□Add new name□: To add a new record in SIM card or handset memory.

□Settings□: To choose the storage location of the record (i.e. phone memory, SIM card, etc.).

□Used space□: To view the number of records stored in the SIM card and the handset.

□ **Speed dial list** □: To view the records saved in the speed dial list.

6.4 Clock

□ **Alarm** □

- Set alarm: To preset the alarm to ring periodically (i.e. Once only, Daily, Weekly, etc.).
- Set auto on/off: To set the handset to switch on or off automatically.
- List alarms: To view all the preset alarm records.
- Clear all: To clear all the preset alarm records.

□ **Set date** □: To preset the current date for clock.

□ **Set time** □: To preset the current time of the clock.

□ **Set zone** □: To preset your current time zone. After successfully preset, the clock of the handset will change according to the time zone you are in.

□ **Clock settings** □: To set up the display formats for time and date.

6.5 Audio Profiles

A profile is a group of settings you can use to customize the way your phone works.

□ **Set profile** □: To preset different profiles.

- Normal: Preset various functions according to your preferences.
- Meeting: Preset to vibrate only for alerting, no ring.
- Outdoor: Ring after vibrate.

-
- Vehicle mode: Ring only for alerting.
 - Silence: No ring and no vibration.

□**Edit profile**□

- Ring volume: To adjust the ringing level.
- Earpiece volume: To preset the call volume.
- Vibrator: To preset on/off to vibrating mode.
- Keypad tones: To enable/disable touch-tone.
- Battery low warning tone: To set the warning tone on/off.
- DTMF tones: To preset on/off to Dual Tone Multiple Frequency.
- Message alert: To enable/disable the alert tone when message(s) arrive.
- Any key answer: To answer a call by pressing any key.

□**Ring tone**□: To choose your preferred ring tone from 30 melodies.

6.6 Settings

□**Phone settings**□: You can preset the options of the handset.

- Language: To choose from a number of languages for your handset.
- Menu style: To choose from two menu styles.
- Backlight level: To adjust the level of the backlight.
- Screen contrast: To adjust the contrast of the screen.
- Keypad light: To turn the keypad lamp on or off.
- Keyboard Autokey: To preset the auto keypad lock to on or off. Keypad can be locked automatically when idle for 30 seconds.
- Own number: To preset the number of your handset supplied by your

network provider.

□**Call settings**□:

- Show call number: To display your number on the calling party's screen. This will function correctly only if your network supplier supports it.
- Minute minder: To prompt you each minute you are on the call to control your call duration. For example, you will hear the first prompt at the 50th second of your call, then, second prompt in one minute, and every other minute afterwards.
- Auto Redial: To set auto re-dial on or off.

□**Network settings**□

- Divert calls: Call divert is a network service. You have to subscribe to the service from your network supplier to use the following functions. It can transfer a receiving call to another phone number you specified.
- Call waiting: To set Call waiting on/off. To access this function, it must be activated in advance. This will function correctly only if your network supplier supports it.
- Select network: To select the preferred network.
 - o Set Preferred Network: To select your preferred network from your list (if applicable).
 - o Add new network: Refer to your new network provider for MCC code.
 - o Automatic: To search the network automatically.
 - o Manual search: To set the network manually.

□**Security setting**□: To access this menu, enter the password.

- SIM card lock: To turn on/off the SIM card lock.
- Handset lock: Phone lock password consists of 4 -12 digits. The default

password is 1234.

- Change password: To change the default password into any 4-12 digits
- Auto keypad lock: To lock/unlock your keypad automatically when idle for more than 30 seconds.
- Handset call barring: To restrict incoming/outgoing calls.
- Bar receiving calls: To enable/disable all incoming calls.
- Bar outgoing calls: To enable/disable all or some outgoing calls.
- All calls: To restrict all incoming/outgoing calls.
- Preset field: To restrict the listed outgoing calls. The phone numbers stored here cannot be called through this handset.
- Off: To cancel the restriction of all outgoing calls.
- Network call barring: To bar incoming/outgoing calls to/from other networks.
- Fixed dialing: To enable this handset to call the specific numbers stored in this list. Your regular phone book will no longer be valid.

□**Reset settings**□: To restore settings to factory default.

6.7 Tools

Calculator

The calculator in the handset can carry out simple and practical operations.

- * key: To enter or switch the symbols of operation, including plus, subtract, multiply, divide, etc.
- # key: To enter or switch the symbols of operation, including 4 arithmetic operators: decimal, sign of percentage, and right and left brackets.

Press the Left Soft Key to view the arithmetic result and the Right Soft Key to clear a character. Hold down the right-soft key to clear a row of character.

Note Only one row is displayed on your screen. Press the DIRECTION key to scan the entire entry.

Incoming Call Guard

Call Guard lets you restrict a number or a pre-defined group of numbers. This feature makes it easy for you to manage your incoming calls by reminding you what numbers your incoming calls are from.

- Preset numbers: To add, view, edit, delete number(s), etc. The record of calls will be saved in the missed call menu. The network responds to the caller with a voice prompt and unable to connect signal.
- Status: To inquire the status of the receiving call guard (on/off).

6.8 Games

The handset provides two classic games: Russian and Bricks. Choose a game with the DIRECTION key, then, press the Left Soft Key to confirm. Follow the instructions after choosing a game for setup, game instructions and top score information.

General settings

The general settings are used for all the games in the handset.

- Sound: To set a game's sound on or off.
- Backlight: To set the game's backlight. Be able to set it on or off.

Note In the game menu, "Resume game" menu appears only when the

game history exists.

7. ENTRY METHODS

Smart English Entry Method

T9 Smart English Entry Method has smart associating function, the more letters you enter, the more complete words you get. Use **0 +** key to switch capitalization. For example: pressing **2ABC**, **3DEF**, **7PQRS**, **8TUV** key will enter the word “best”. Press the CALL key to search if the displayed word is not the one you want to enter.

ABC Entry Method

ABC Entry Method has no associating function. Enter a corresponding letter with each touch. For example: Press **2ABC** key to enter 'A', press **3DEF** key for 'D', and press **2ABC** key in succession to select 'A', 'B' or 'C' In the Entry Method, Use **0 +** key to switch capitalization, and other keys to enter letters.

Numerical Entry Method

Press numerical keys to enter the corresponding digits.

Symbol Entry Method

Each numeric key represents a symbol. To enter the symbols, press the numerical key to select the desired symbol. Press DIRECTION key to scroll pages.

8. SAFETY AND PRECAUTIONS

- Do not touch the antenna of the handset unnecessarily; doing so may affect the sound quality of the call.
- Switch your mobile phone off when in the vicinity of chemical plants, gas stations and other explosives.
- Keep the phone away from children.
- Please use the hands-free device (optional) when driving. Park the vehicle before using the handset.
- Switch off the phone when aboard an aircraft.
- Switch your mobile phone off when in the vicinity of medical devices such as pacemakers, hearing aids, and electro-medical equipment.
- Use only approved accessories and batteries by the manufacturer.
- Your mobile phone must be installed or repaired only by qualified personnel.
- Do not charge the handset without inserting the battery first.
- Charge the phone in a well-ventilated environment.
- To avoid demagnetization, keep the handset far away from magnetic objects, such as magnetic discs or credit cards.
- Ensure to keep the handset dry. Remove the battery if leakage or erosion occurs and contact the supplier.
- Avoid using the phone outside its operating temperature range of 14°F(-10°C) to 113°F(45°C). Never leave the phone exposed to direct sunlight, or in a high humidity or dusty environment.
- Do not use liquids or strong detergents to clean the handset.

<**Warning**>: The manufacturer will not take any responsibility in the case of noncompliance with the above advice or improper use of the handset.

<**Attention**>: Dispose of used batteries in accordance with any local regulations.



9. HOP-ON ONE-YEAR LIMITED WARRANTY

Hop-on Wireless, Inc. (Hop-on) warrants that this cellular phone ("Product") is free from defects in material and workmanship that result in Product failure during normal usage, according to the following terms and conditions:

1. The limited warranty for the Product extends for ONE (1) year from the date of purchase of the Product.
2. The limited warranty extends to the original purchaser of the Product ("Consumer") and is not assignable or transferable to any subsequent purchaser/end-user.
3. The limited warranty extends only to Consumers who purchase the Product in the United States.
4. During the limited warranty period, Hop-on will repair, or replace, at Hop-on's option, any defective parts or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. As long as the Product is still within the warranty period and the problem is covered by the limited warranty, Hop-on will be responsible for both the parts and labor charges incurred to repair or replace the defective parts. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. Hop-on's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. Hop-on shall not be liable for any other losses or damages. These remedies are the Consumer's exclusive remedies for breach of warranty.
5. Upon request from Hop-on, the Consumer must prove the date of the original

-
- purchase of the Product by a dated bill of sale or dated itemized receipt.
6. The Consumer shall bear the cost of shipping the Product to Hop-on in Irvine, California or one of Hop-on's authorized service centers. If the problem is covered by this limited warranty, Hop-on shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.
 7. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:
 - a. The Product has been subject to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Hop-on, including damage caused by shipping.
 - b. The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, or damage caused by the connection to other products not recommended for interconnection by Hop-on.
 - c. Hop-on was not advised by the Consumer in writing of the alleged defect or malfunction of the Product within fourteen (14) days after the expiration of the applicable limited warranty period.
 - d. The Product serial number plate or the accessory data code has been removed, defaced or altered.
 - e. The defect or damage was caused by the defective function of the cellular system or by inadequate signal reception by the external antenna.
 8. If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:

-
- a. The Consumer shall: (i) return the Product to one of Hop-on's authorized service centers (for the nearest location to you, please contact Hop-on) or (ii) ship the Product prepaid and insured to:
- Hop-on Wireless, Inc.
Attn: Repair Department
35 Hammond, Irvine, CA 92618
- b. The Consumer shall include a return address, daytime phone number and/or fax number, complete description of the problem, proof of purchase and service agreement (if applicable). Expenses related the removing the Product from an installation are not covered under this limited warranty.
- c. The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer will be responsible for any expenses related to reinstallation of the Product.
- d. Hop-on will repair or authorize the repair of the Product under the limited warranty within 30 days after receipt of the Product by Hop-on or a Hop-on authorized service center. If Hop-on cannot perform repair covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Hop-on, at its option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage.
- e. If the Product is returned to Hop-on during the limited warranty period, but the problem with the Product is not covered under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to Hop-on after the expiration of the limited warranty period, Hop-on's normal service

policies shall apply and the Consumer will be responsible for all shipping charges.

9. The Product consists of newly assembled equipment that may contain used components that have been reprocessed to allow machine compliance with Product performance and reliability specifications.
10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING LIMITED WRITTEN WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. HOP-ON SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWNTIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CONSUMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF HOP-ON KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. HOP-ON SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.
11. Some states do not allow limitation of how long an implied warranty lasts, so the above one-year warranty limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental and consequential damages, so certain of the above limitations or exclusions may not apply to you (the

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- Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.
12. Hop-on neither assumes nor authorizes any authorized service center or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty including the provider or seller of any extended warranty or service agreement.
 13. This is the entire warranty between Hop-on and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, and all communications relating to the Product, and no representation, promise or condition not contained herein shall modify these terms.
 14. This limited warranty allocates the risk of failure of the Product between the Consumer and Hop-on. The allocation is recognized by the Consumer and is reflected in the purchase price of the Product.
 15. Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following delivery of the Product.
 16. Questions concerning this limited warranty may be directed to:
Hop-on Customer Care Center
35 Hammond, Irvine, CA 92618
Telephone: 1-949-756-9008
Fax: 1-949-756-9054
 17. The limited warranty period for Hop-on supplied attachments and accessories is specifically defined within their own warranty cards and packaging.

10. Disclaimers

10.1 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.

10.2 Specifications Subject to Change

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

10.3 FCC Compliance Information

- This device complies with Part 22 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

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- o Handheld operation to ear
 - o Hip-mounted operation
 - SAR compliance for body-worn operating configurations is limited to the specific belt-clips/holsters/accessories tested for this filing. End-users must be informed of the body-worn operating requirements for satisfying RF exposure compliance.
 - 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.

10.4 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:
 - o 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.

10.5 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.

APPENDIX I : TROUBLESHOOT

TROUBLE	POSSIBLE REASONS
Unable to switch on your phone	1. Is the battery charged? 2. Is the battery installed properly?
Unable to charge battery	1. Is the charger connected properly? 2. Is the battery usable? The battery performance diminishes after several years' use. 3. Is the battery overly discharged? The handset comes into a slow charging mode after connected to the charger. The handset normally can be charged hours later depending on the degree of discharging.
Network lost	1. The signal might be too weak. There may be some radio interference. Check the signal indicator for vertical line. 2. Is the SIM card located correctly? Is it damaged in any ways? (If damaged, please call our network supplier for replacement.)
Fail to preset function	1. Does your network supplier support this function?
Unable to make calls	1. Are you registered in the network? Check the screen display for the name of your network supplier. 2. Is Call Barring enabled? 3. Have you paid your charges?

	4. Have you activated the Fixed dialing function? 5. Have you enabled the “Restrict my phone number” rejected by the network?
Unable to receive calls	1. Are you registered in the network? Check the screen display for the name of your network supplier. 2. Have you paid your charges? 3. Is Call diverting enabled? 4. Is Call barring for incoming calls enabled?
PIN locked	Enter the PUK code supplied with the SIM card to unlock.
PIN2 locked	Enter the PUK2 code supplied with the SIM card to unlock.
Call meters inactive	No transferring metering pulses, please contact your network supplier.
SIM error	1. Is the SIM card dirty? 2. Re-mount the SIM card. 3. Is the SIM damaged? (If damaged, please call your network supplier for replacement.)

APPENDIX II : ABBREVIATIONS AND EXPLANATIONS

CUG	Closed User Group
GSM	Global System for Mobile Communication
GPRS	General Pocket Radio Service
SMS	Short Message Service
CB	Cell Broadcast
FDN	Fixed Dialed Numbers
SIM	Subscriber Identity Module
PIN	Personal Identity Number. Supplied with SIM card. To unlock the SIM card.
PIN2	Personal Identity Number 2. Supplied by the network provider. For special function in protected FDN supported by SIM.
PUK	Personal Unlock Code. Supplied with SIM card. To unlock the SIM card when you enter the wrong PIN code three times. You can also use it to modify PIN code.
PUK2	Personal Unlock Code 2, supplied with a specific SIM card and it is to modify or enable a PIN2 code.
IMEI	International Mobile Equipment Identity consists of 15 digits. One mobile phone has only one IMEI.
MCC	Mobile Country Code
MNC	Mobile Network Code

Call Waiting	A service that allows you to receive another incoming call without interrupting the present call. It is different from multiparty calls. You can only talk to one party while another party is put on hold at the same time.
Call Divert	A service that allows you to divert an incoming call to a specified number. Normally calls are diverted if busy, no answer or not reachable.
Divert all calls	All incoming calls will be diverted by the network.
If busy	Divert your incoming calls while you are on another call.
If no answer	The network will divert your incoming call if you haven't answered it in a specific duration when the handset rings or vibrates.
If not reachable	The network will divert your incoming call when the network fails to locate your handset. It could be switched off or out of the service area.
Roaming	It is when the handset is not used in the local registered network. It includes international and domestic roaming. In this manual, it refers to international roaming only.

Contact Hop-on Wireless:

35 Hammond, Irvine, CA 92618

Tel: 1-949-756-9008

Fax: 1-949-756-9054

www.hop-on.com