To Users
This manual is designed to help you quickly master the use of this product and understand its functions and operation in details. To avoid physical injury or property damage caused by improper operation, please read the following safety statement carefully before using this product. This manual is applicable to the model: RG760

Safety Statement

1. Failure and Damage
If there is any reason to suspect that the safety of the device is compromised, you must stop using it immediately. Measures must be taken to prevent the device from being accidentally restarted. The safety of the device may be affected, for example:
• Failure.
• The enclosure of the device shows any signs of damage.
• The device is under excessive load.
• Improper storage of the device.
• The mark or label on the device cannot be identified.
If the device fails or is suspected to be malfunctioning, we recommend sending it back to RugGear Ltd. for inspection.

2. Other Safety Advices
• Please do not touch the screen with sharp objects. Dust and nails may scratch the screen. Please keep the screen clean. Gently wipe off the dust on the screen with a soft cloth and do not scratch it.
• Do not place the device in a high temperature environment, or it may cause the battery to heat, thus posing a risk of fire or explosion.
• Please do not charge the device near flammable or explosive materials.
• Charge the device only under indoor conditions.
• Do not charge the device in a dusty or humid environment.
• Do not expose the device or charger to a strong magnetic field emitted by an induction cooker or microwave oven etc.
• Do not attempt to open or repair the device. Improper maintenance activities or behaviour of opening the device can result in damage, fire or explosion. Only authorized personnel can repair the device.
• Only accessories approved by RugGear Ltd. can be used.
• Turn off the device at a hospital or other places where mobile phone use is prohibited. This device may affect the normal operation of medical equipment (for example, pacemakers). This device should always be at least 15 cm away from such devices.
• Make sure the volume is not adjusted too high to protect your hearing when inserting the earphone.
• Comply with all applicable and effective national laws for the use of the device while driving a vehicle.
• Turn off the device and disconnect the charging cable before cleaning the device.
• Do not use any chemical cleaner to clean the device or charger.
• Use a wet, soft and antistatic cloth to clean the device.
• The adapter should be installed near the device and should be accessible.
• This product can only be connected to the USB 2.0 port.
• Do not throw old and waste lithium batteries into the garbage and send them to the designated waste disposal site.
• If a malware is downloaded while using other data exchange functions of the network or device, the user shall bear any damage and liability caused by such a software on his own. RugGear Ltd. assumes no liability for any such claims.

Warning
RugGear Ltd. shall not be liable for damages caused by ignoring these advices or improper use of the device.

3. Maintenance/Repair
Please pay attention to any legal requirements for periodic inspection. The device
itself has no parts that can be repaired by the user. It is recommended that the inspection is performed in accordance with safety regulations and advices. If the device has problems or needs to be repaired, please contact your supplier or consult the service centre.

4. Battery
This phone's battery is not fully charged when you purchase it, but there's enough power to turn it on. To get the best battery life, please fully discharge the battery before the first three cycles of charging.
You can only charge the device with ambient temperature range of +5 °C to +35°C. The normal operation temperature of this mobile phone is 0°C to +40°C. Do not use the mobile phone outside this temperature range, in order to ensure it can function properly.

Note:
If the replacement battery is not the correct type, there is a risk of explosion. Please dispose the used battery according to instructions.

5. CE SAR (Specific Absorption Rate) Certification Information
The SAR in Europe is limited to 2.0 W/kg. The device was also tested against this SAR limit. During the product certification process, the highest SAR value is 0.762 W/kg for the head and 1.027 W/kg for the body when the product is used under this standard test. This device undergoes the typical running test for body wearing with its back 5 mm away from the body. The device complies with the RF specification when used at a distance of 5 mm from the body. The components shall not contain metal parts when you use belt clips, leather cases and similar accessories. Avoid situations where the use of accessories that do not meet the above requirements may result in non-compliance with RF exposure requirements.

6. Recycling
The forked trash bin symbol on the product, battery, document or package reminds you that all electrical and electronic products, batteries and rechargeable batteries must be sorted and collected at the end of their service life. This requirement applies to EU countries. Do not treat these products as unsorted municipal refuses. Be sure to return the electronic products, batteries and packaging materials you used to a special collection point. This will help prevent from occurring uncontrolled waste disposal and promote the recycling of materials. More detailed information can be obtained from the product retailer, local waste management agency, national producer responsibility organization, or your local RugGear Ltd. representative office.

7. EU Declaration of Conformity

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10. Disclaimer
The product described in this manual may include computer programs stored in memory or other media. The exclusive rights of our company to these programs are protected by the People's Republic of China or other countries and relevant international laws. The purchase of this product does not imply that our company
grants rights related to these computer programs to the purchaser, either express or implied. No enterprise, organization or individual may copy, modify, distribute, decompile and reverse engineer the computer programs in any form without the prior written authorization of our company. This manual strives for the accuracy and completeness of the contents in the compilation process, but we shall not bear any responsibility for any mistakes or omissions that may occur. Due to the continuous development of technology, our company reserves the right to change product design and specifications without notice. This manual shall not be copied, modified, translated or distributed in any form without the prior written authorization of our company. The third-party products and contents involved in this manual are owned by the third party, and our company does not guarantee their accuracy, validity, timeliness, legality or completeness. If you need more information or have any suggestions for this manual, please visit our website: www.ruggear.com
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1. Packing List
The box contains the following items. If any item is lost or damaged, please contact the distributor of the product you purchased.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart phone</td>
<td>1</td>
<td>Waist Clip</td>
<td>1</td>
</tr>
<tr>
<td>Earphone</td>
<td>1</td>
<td>Manual</td>
<td>1</td>
</tr>
<tr>
<td>Charger</td>
<td>1</td>
<td>Screwdriver</td>
<td>1</td>
</tr>
<tr>
<td>USB cable</td>
<td>1</td>
<td>Earphone cover</td>
<td>1</td>
</tr>
</tbody>
</table>

2. Product Overview

Note: 6 has two versions.
The other version has  

![Product Diagram]
KEYS AND SPECIAL FEATURES

1. **PTT key**: Long press to initiate PTT
2. **Photo-taking key**: Quickly turn on the photo-taking function/ take photos
3. **Video-shooting key**: Quickly turn on the video-shooting function/ shoot videos
4. **Type-C rubber plug**: Protect the Type-C interface
5. **Return key/home key/ “recently opened applications” key**: Return to the previous menu/ return to the home screen/ display the pending program set in the background
6. **Blank/scan key (only version with scan head is supported)**: No function (quickly turn on the scan function and scan)
7. **Custom key M1**: Specified application/ switch shortcut key, which needs to be set via the system’s “Custom Key M1” before being used
8. **Answer key**: Physical key for answering the incoming calls
9. **Navigation key**: Direction key, physical button and confirming button
10. **Main MIC/speaker**: Small holes at the left side form the main MIC/ front speaker
11. **Home key**: Physical key for returning to the home screen
12. **Power key**: In the state of power-on, long press this key to select shutdown/restart, short press it to close/wake up the screen
13. **Hang-up key**: Hang up the current call
14. **Battery**
15. **Professional PTT earphone jack**: PTT earphone jack
16. **Earphone screw hole**: Used to fix the earphone screw
17. **Flashlight**: Double colour temperature flashlight
18. **Rear shooting/scan components**: Rear camera/ scan function components
19. **SOS key**: SOS key (Need to be used with the system and multifunctional alarm application)
20. **Volume knob**: Adjust the volume
21. **PTT upper knob**: See 5.1 and 5.2 for detailed description of the PTT knob function
22. **PTT lower knob**: See 5.1 and 5.2 for detailed description of the PTT knob function
23. **External antenna**: Hardware PTT/B31 External antenna
24. **Front camera**: Photo-taking/video-shooting camera
25_Sensor group: Proximity/light sensor

3. Preparation before Use
3.1 Install the External Antenna
Install the antenna as shown:

Note:
Unwound antenna can lead to poor performance,
Please do not hold the antenna on the top to swing the terminal, so as not to
reduce the working performance and service life of the terminal antenna.

3.2 Install and Remove the Battery & Install Micro SIM Card and Micro SD Card

3.2.1 Press the clip-on button on the back cover of the mobile phone. Pull the battery down to the bottom according to the direction in the figure.
3.2.2 Lift the battery along its top according to the direction in the figure to remove it.
3.2.3 Lift the slot protective case.
3.2.4 Install Micro SIM card and Micro SD card (up to 64 GB Micro SD card is supported).
3.2.5 After the cards are inserted, press the battery into the battery compartment and push it upward until you hear the “click” sound, indicating that the battery is locked.

**Note:**
After installation, please make sure that the earphone and USB port rubber plug of the whole phone are in an intact and closed state to be waterproof and dust-proof. In this regard, no further special statement will be made in later chapters.

### 3.3 Install the Waist Clip

#### Installation

1. [Diagram]

2. [Diagram]

3. [Diagram]

#### Removal

1. [Diagram]

2. [Diagram]

As shown in the figures:
It is necessary to remove the battery before installing/removing the waist clip and then reinstall the battery after the installation/removal.
Insert the waist clip along the slot on the battery back according to the direction in the figure.
If you want to remove the waist clip, pull up the buckle at the top of the clip, then push the clip upward in the direction shown, and finally remove it.

### 3.4 Charge

Pull out the USB rubber plug according to the direction in the figure and connect the USB cable to this mobile phone to start charging.
Your device supports fast charging function (supporting 9V 2A charging).
The battery bay needs to be purchased separately.
3.5 Instructions for LED Indicators

<table>
<thead>
<tr>
<th>Indicator status</th>
<th>PTT status indicator (left)</th>
<th>Mobile phone working indicator (right)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid red</td>
<td>When transmitting information</td>
<td>When charging</td>
</tr>
<tr>
<td>Solid green</td>
<td>When receiving information</td>
<td>When charging is completed</td>
</tr>
<tr>
<td>Always being on orange</td>
<td>When the current channel is not edited</td>
<td>/</td>
</tr>
<tr>
<td>Flashing blue</td>
<td>/</td>
<td>There's a new notification on this mobile phone</td>
</tr>
<tr>
<td>Flashing red</td>
<td>/</td>
<td></td>
</tr>
</tbody>
</table>

1. Low battery
2. Low signal level
3. The whole phone is too hot
4. Insufficient storage space
4. Basic Operation

4.1 Power on/off:
Long press the power key to turn on or off.

4.2 Unlock and lock the screen:
According to the power-on initial settings or click the desktop settings menu, as shown in the figure below, select "Security" – "Screen Lock" from the settings list to set the screen lock mode according to your preferences.

4.3 Language setting: According to the power-on initial settings or this mobile phone's settings menu, select the language type you need to set the language as shown.
4.4 Connect to Network: Go to the phone's settings menu and select Wi-Fi or data connection, as shown in the figures. You can also swipe down from the top of this mobile phone screen to open the settings shortcut window and select Wi-Fi or data connection.
4.5. **Airplane Mode**: You can choose to open or close the airplane mode by swiping down from the top of this mobile phone screen to open the settings shortcut window.

![Airplane Mode]

4.6. **Screenshot**: Hold down the power key and photo-taking key simultaneously to take a screenshot.

5. **Function Introduction**

There are currently four versions for RG760, which can be distinguished by the last part of the frequency bands on the colour box sticker of the mobile phone (as shown in the figures below).

<table>
<thead>
<tr>
<th>Version</th>
<th>The Last Part of the Frequency Bands on the Colour Box Sticker</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG760-U</td>
<td>UHF: 400–470 MHz (NO SCAN)</td>
<td>✓</td>
</tr>
<tr>
<td>RG760-B31</td>
<td>FDD-LTE: Band 31 (NO SCAN)</td>
<td>✓</td>
</tr>
<tr>
<td>RG760-Basic</td>
<td>— NO SCAN —</td>
<td></td>
</tr>
<tr>
<td>RG760-Scan</td>
<td>— SCAN —</td>
<td>✓</td>
</tr>
</tbody>
</table>

5.1. **Introduction to U Version (with Hardware PTT)**

5.1.1 **Hardware PTT App** (as shown below)
5.1.2 Knob Instructions for Hardware PTT Version

A’s PTT upper knob indicates hardware PTT channel switching (14 gears in total)
When the upper knob is not in the turn-off gear, the corresponding gear indicates the hardware PTT channel
When the upper knob is in the turn-off gear, it indicates that the Hardware PTT is turned off and the Software PTT function can be used
The 14 gears on the upper knob belongs to emergency frequency band which cannot be deleted, but its corresponding frequency can be edited.
A’s PTT lower knob indicates software PTT channel switching (15 gears in total). When the hardware PTT is in the turn-off gear, the corresponding gear of the lower knob indicates the software PTT channel.
B knob indicates the volume knob and can adjust the call/media volume.

5.2 Introduction to B31 Version (without Hardware PTT)

5.2.1 Band31 Instructions:
The SIM1 slot supports all network types, but does not support Band31.
The SIM2 slot only supports Band31.

Note: When RG760 uses USB to transmit data to third-party devices, it needs to turn off Band31 (Settings – More – Cellular network setting – SIM Slot 2 – Enable B31 Mode)
5.2.2 Knob Instructions for B31 Version:

A's PTT upper knob indicates software PTT channel (14 gears in total).
A's PTT lower knob indicates the corresponding contact in the channel (15 gears in total).
B knob indicates the volume knob and can adjust the call/media volume.

5.3 Instructions for Use of Scan Function (only Version with Scan Head is Supported)
If your mobile phone supports infrared scanning, it can be used in daily life for extension functions, such as scanning the bar code and QR code.

From left to right, the components in the above figure are respectively the fill flash, camera and receiver. The damage of any one component will result in the failure of scanning function.

5.4 Professional PTT earphone jack
The earphone jack adopts anti-shedding design to support our company's standard professional PTT earphone and PTT hand microphone (the hand microphone needs to be purchased separately).

5.5 OTG Function
OTG refers to the direct connection of the mobile phone to external devices (such as USB flash disk, card reader, and MP3) through OTG cable for data transmission, input operation or charging. The OTG cable with Type-C interface is required for RG760 which can support up to 128 GB USB flash disk (FAT32 format). After OTG connects to the USB flash disk, the contents of the USB flash disk can be viewed on the mobile phone's desktop or file manager, as shown below:

5.6 Instructions for Use of Multifunctional Alarm/Custom Key
5.6.1 Multifunctional Alarm Function (LWP)
Multifunctional alarm function refers to the function of detecting the status of the mobile phone in the state of motion and stillness and automatically notifying the emergency contact through phone/SMS.
1. Default password: 1122.
2. After opening the application for the first time, you need to set a default phone number for the alarm.
3. If the mobile phone uses two SIM cards, you need to set a default phone number for dialling/SMS.
4. Any aborted operation will cause the application process to be interrupted and it needs to [turn off/open] the application again in order to reset the alarm process.
5. The alarm will not be triggered when the mobile phone is connected to USB for charging.

Alarm trigger mode:
- One-button alarm:
  Click the SOS key to directly trigger the alarm process.
- Low battery alarm:
  An alarm is triggered when the mobile phone's battery is less than 20%.
- Motion alarm:
  Vertical tilt 45°
  An alarm is triggered when the angle between the mobile phone and the vertical direction is greater than 45°.
- Drop
  An alarm is triggered when the mobile phone is dropped down.
- Not move
  An alarm is triggered when the mobile phone does not move for a certain period of time.
- Alarm process:
  Trigger alarm – Pre-alarm – Call the alarm phone number – Call the other contact – ……… – (sending a SMS link with coordinates to the contact)

5.6.2 Instructions for Use of Custom Key:
As shown in the figures below:
M1 key: Set the specified application or switch shortcut key through the "Custom Key M1" on the screen.
PTT key: Set the specified application or switch shortcut key through the "Custom Key" on the screen. (Note: The PTT key has the Hardware PTT function, and can initiate hardware PTT if you long press it)
"PTT" in the list means: Long press the custom key to initiate PTT.
6. Product Configuration

<table>
<thead>
<tr>
<th>Product size and weight</th>
<th>157mm<em>72.5mm</em>28mm , 404g</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Qualcomm Snapdragon 625 (MSM8953) 8 cores</td>
</tr>
<tr>
<td>RAM</td>
<td>3GB RAM</td>
</tr>
<tr>
<td>ROM</td>
<td>32 GB (Up to 128 GB extended memory is supported)</td>
</tr>
<tr>
<td>Display</td>
<td>4.0&quot; WVGA (640 x 1136) Corning® the third generation glass</td>
</tr>
<tr>
<td>Camera</td>
<td>13MP + 5MP</td>
</tr>
<tr>
<td>Sensor</td>
<td>Proximity sensor, light sensor, magnetic sensor, gravity sensor, gyroscope</td>
</tr>
<tr>
<td>Position navigation</td>
<td>Support GPS (A-GPS), GLONASS, BeiDou</td>
</tr>
<tr>
<td>Other functions</td>
<td>OTG, NFC, QC 3.0 standard (9 V, 2 A) quick charging</td>
</tr>
<tr>
<td>System</td>
<td>Android 7.1.2</td>
</tr>
<tr>
<td>Dustproof, fall-proof, waterproof</td>
<td>IP68 certification, MIL-STD-810G (US military certification)</td>
</tr>
</tbody>
</table>

### Frequency bands supported by European version

<table>
<thead>
<tr>
<th>Frequency bands</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSM/GPRS/EDGE</td>
<td>850/900/1800/1900</td>
</tr>
<tr>
<td>WCDMA/HSPA+</td>
<td>Band 1/2/5/8</td>
</tr>
<tr>
<td>FDD-LTE</td>
<td>Band 1/3/5/7/8/20/28</td>
</tr>
<tr>
<td>FDD-LTE (Specical)</td>
<td>Band 31</td>
</tr>
<tr>
<td>TDD-LTE</td>
<td>Band 39/40/41 (100MHz: 2555~2655)</td>
</tr>
<tr>
<td>TD-SCDMA</td>
<td>Band 34/39</td>
</tr>
<tr>
<td>CDMA 1x/EVDO</td>
<td>BCO/ BC1</td>
</tr>
<tr>
<td>Frequency bands</td>
<td>Maximum output power</td>
</tr>
<tr>
<td>-----------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>GSM 900</td>
<td>33.5dBm</td>
</tr>
<tr>
<td>DCS 1800</td>
<td>30.5dBm</td>
</tr>
<tr>
<td>WCDMA 900</td>
<td>24dBm</td>
</tr>
<tr>
<td>WCDMA 2100</td>
<td>24dBm</td>
</tr>
<tr>
<td>LTE Band 1</td>
<td>24dBm</td>
</tr>
<tr>
<td>LTE Band 3</td>
<td>24dBm</td>
</tr>
<tr>
<td>LTE Band 7</td>
<td>24dBm</td>
</tr>
<tr>
<td>LTE Band 8</td>
<td>24.5dBm</td>
</tr>
<tr>
<td>LTE Band 20</td>
<td>24.5dBm</td>
</tr>
<tr>
<td>LTE Band 28</td>
<td>24.5dBm</td>
</tr>
<tr>
<td>LTE Band 38</td>
<td>24.5dBm</td>
</tr>
<tr>
<td>LTE Band 40</td>
<td>23dBm</td>
</tr>
<tr>
<td>WiFi 2.4G</td>
<td>19dBm</td>
</tr>
<tr>
<td>WiFi 5G</td>
<td>18dBm</td>
</tr>
<tr>
<td>BT</td>
<td>10dBm</td>
</tr>
</tbody>
</table>

Thank you for reading and using this manual. If you have any questions in use, please contact your local RugGear Ltd. representative or visit www.RugGear.com.
gear your life.

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