



# **User Manual**

## **GT860**

**GSM device**

# PREFACE

## WELCOME

Congratulations on the purchase of your GT860 product!

Please retain your original dated sales receipt for your records.

For warranty service of your GT860 product, you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing Avvio product.

➔ **Please read important safety instructions before use.**

➔ **Read and understand all instructions before use.**

➔ **Please retain this guide for future reference.**

The information contained in the GT860 user guide is believed to be correct at the time of printing.

Certain features may not be activated by your service provider, and/or their network settings may limit the feature's functionality. Additionally, certain features may require a subscription.

Your service provider may have requested that certain

features will not appear on your device menu. Your device may also have customized items such as menu names, menu order and icons.  
Contact your service provider for details.

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# **SAFETY PRECAUTIONS**

## **PRECAUTIONS**

1. Keep the device away from water and damp areas.

Water or other liquids may cause overheating, electrical leakage, and failure of the device.

2. Do not try to disassemble the device.

This can cause electric shock and failure of the device. Tampering will also void the device's warranty.

3. Put the device in a safe and stable place.

4. Keep away from dust and heat radiation (i.e. microwaves, stoves, etc.)

5. Try to use the device away from ordinary teledevices, television sets, radios, and automated office equipment to avoid interference between the devices.

6. Use clean soft dry cloth to wipe the device. Do not use any chemical agents.

7. Do not put the device near explosive or inflammable materials.

**8.** Use the device only within the temperature range of -20°C ~ 40°C and humidity range of 0%~90%.

**9.** Keep all accessories or batteries out of the reach of small children or babies.

Please instruct children the proper ways of handling device during usage.

Shock circuit or breakdown may occur and may cause severe danger to user due to improper usage.

# **SAFETY INFORMATION**

## **1. EXPOSURE TO RADIO FREQUENCY (RF) ENERGY**

Your device contains a transmitter and a receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. When you communicate with your device, the system controls the power level at which your device transmits.

Your device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

## **2. OPERATIONAL PRECAUTIONS**

To assure optimal device performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards; always adhere to the following procedures.

## **3. EXTERNAL ANTENNA CARE**

Use only the supplied Avvio approved antenna. Unauthorized antennas, modifications, or attachments could damage the device.

Do NOT hold the antenna when the device is IN USE. Holding the antenna affects communication quality

and may cause the device to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

#### **4. DEVICE OPERATION**

To maintain compliance with RF energy exposure guidelines, ensure the device antenna is at least 1.5 centimeters from your body when transmitting.

#### **5. APPROVED ACCESSORIES**

Use of accessories not approved by Avvio, including but not limited to batteries and antennas, may cause your device to exceed RF energy exposure guidelines.

#### **6. RF ENERGY INTERFERENCE/COMPATIBILITIES**

Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your device may cause interference.

#### **7. MEDICAL DEVICES**

##### **1) Pacemakers**

Pacemaker manufacturers recommend that a minimum separation of 10 inches (25centimeters) be



maintained between the fixed wireless device and a pacemaker.

Persons with pacemakers should:

Always keep the device more than 10 inches (25 centimeters) from your pacemaker when the device is turned ON. Turn OFF the device immediately if you have any reason to suspect that interference is taking place.

## **2) Other Medical Devices**

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

## **8. BATTERIES**

Batteries can cause property damage and / or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot.

Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects. Use only original batteries and chargers.

Please don't use any damaged battery or charger and use the battery only for its intended purpose.

Don't apply extreme shock to the battery. It's dangerous to disassemble a battery or to apply extreme shock to the battery via nail or heavy metal objects.

Keep the charger or batteries out of reach of small children or babies.

Always try to keep the battery between -10 ~ 55 Celsius.

Use only manufacturer approved rechargeable batteries and charger designated for this device.

Caution

Risk of explosion if battery replaced with an incorrect type.

Dispose of used batteries according to the instructions.

### **9. Seizures / Blackouts**

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor.

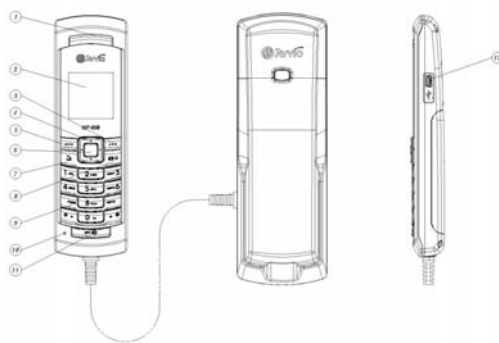
## PACKAGE CONTENTS

	
<b>Transceiver</b>	<b>User Manual</b>
	
<b>Adapter / Charger</b>	<b>Battery 1ea</b>

- The appearance of the parts in your package may be different from those in this Manual.
- Package contents may vary by market. Please check with your service provider.

# ABOUT YOUR DEVICE

## DEVICE OVERVIEW



1	OK key ( upper )	2	LCD
3	Menu key	4	Left / Right soft key
5	Scroll key	6	OK key ( main )
7	End / Power key	8	Digit key
9	Charging I/O	10	Extra I/O 1
11	Extra I/O 2		

## INSTALLATION

- **SIM Card and battery installation in the handset**

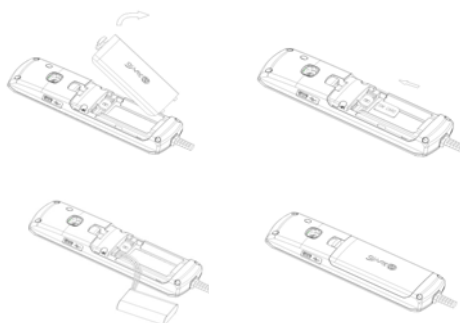
1. Remove the battery cover.
2. Insert SIM card into the SIM slot in the right direction
3. Put the rechargeable battery pack to connector
4. Replace the battery door.

- **Plugging AC/DC Adapter in device**

Connect the adaptor to device

- **Plugging AC/DC Adapter**

Connect the adaptor to AC Wall outlet.



- **Turning Device's Power On/Off**

Press the power key which is on the right of the front panel for about 3 seconds, the device will then automatically test whether the SIM Card is inserted and valid. Wait for the antenna icon to display indicator bars before you use.

## **KEY FUNCTION**

### **[ 1 ] Left / Right Soft Key**

- Press the left soft or right soft key to perform the function indicated by the text on the screen above the key.

### **[ 2 ] OK key**

- Confirmation key.

### **[ 3 ] End key**

- Press once to exit a function and return to the idle screen.





### **[ 4 ] Scroll keys**

- Press **Scroll up** key to scroll up.
- Press **Scroll down** key to scroll down.

## • DISPLAY ICONS

The display indicators and icons provide information about the operation of the device.

The start screen is displayed when the device is turned ON. Several features can be used only when the device is at the start screen.

	<p>Signal Strength Indicator</p> <p>Indicate the strength of the network signal</p> 
	<p>Battery Level indicator</p> 

## BASIC FUNCTION

### BASIC OPERATION

#### Switching the device ON and OFF

- 1) To turn on your device, press and hold “**End key**” for a few seconds or until the display turns on.
- 2) To turn off your device, press and hold “**End key**” for a few seconds.



# MAIN MENU

## OVERVIEW OF MENU TREE

Your device's menu may differ from the following list, depending on the Network services to which you have subscribed and the accessories you are using.

If you have any questions, please call your service provider.

Recharging prepaid SIM and check remain amount.

The recharging will be done by USSD command of GT860 device.

The USD command will be customized by operator of local area.

Target mobile phone number +USSD command + operator's specific code will be sent to USSD server of operator.

And server will handle the USSD command from GT860 device.

The main key have two function:

1. Sales

- A. Sale 20 unit

- i. \*118\*4\*<PIN>\*<MSISDN>\*1\*1\*1#SEND

B. Sale 30 unit

i. \* 118 \* 4 \* <PIN> \* <MSISDN> \* 1 \* 2 \* 1 # SEND

C. Sale 50 unit

i. \* 118 \* 4 \* <PIN> \* <MSISDN> \* 1 \* 3 \* 1 # SEND

D. Sale 100 unit

i. \* 118 \* 4 \* <PIN> \* <MSISDN> \* 1 \* 4 \* 1 # SEND

2. Check balance

A. Check balance

i. \* 118 \* 1 \* <PIN> # SEND

! Notice

<PIN> 4 digits password (seller password)

## REFERENCE INFORMATION

### TECHNICAL INFORMATION

#### Technical Specification

Weight	420 g
Size	(W)80.4mm x (L)188mm x (D)49mm
Wireless Network	GSM850/900/DCS/PCS
Frequency range	824~960MHz, 1710~1990MHz
Battery	Lithium-ion
Antenna	External
LCD	2.2 inch QCIF TFT LCD
Adaptor	AC 100V ~ 240V , 5V

\* Above technical specification maybe changed  
without any notice

## REGULATORY



Brightstar Corp. hereby declares this unit to be in compliance with the relevant

Provisions of the Low Voltage Directive 2006/95/EEC and the EMC Directive 2004/ 108 / EEC.

Brightstar Corp. hereby declares this unit to be in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EEC.

The FCC certification is applicable only for GT860.

## **FCC NOTICE TO USERS**

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

This device 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 radiated 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 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **RF Exposure Information (SAR)**

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless device employs a unit of measurement known as the Specific

Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC 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 device while operating can be well below the maximum value. This is because the phone 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.

The highest SAR value for the device as reported to the FCC when tested for use at worn on the body, as described in this user guide, is 1.190W/kg (Body-worn measurements differ among device models, depending upon available enhancements and FCC requirements.)

While there may be differences between the SAR levels of various devices and at various positions,

they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display

Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: WVBAGT860.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 1.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1.5 cm from your body when the phone is switched on.



## CE NOTICE TO USERS

Users have to use the connection to USB interfaces with USB 2.0 version or higher for charging.

The device could be used with a separation distance of 1.5cm to the human body.

The adapter shall be installed near the equipment and shall be easily accessible.

Only can use adapter as below:

Adapter mfg: GUANG MING TONG

Adapter model: TR68-7

I/P:100-240V,50/60Hz,0.2A,O/P 5V,0.5A

The plug considered as disconnect device of adapter

Assessment of compliance of the product with the requirements relating to the Radio and Telecommunication Terminal Equipment Directive (EC Directive 1999/5/EC) was performed by PHOENIX TESTLAB (Notified Body No.0700), based on the following standards:

### 1. Health

Applied Standard(s):

EN 62311: 2008/ EN 62209-2:2010

**2. Safety**

Applied Standard(s):

EN 60950-1:2006+A11:2009+A1:2010+A12:2011

**3. Electromagnetic compatibility**

Applied Standard(s):

EN 301 489-1 V1.9.2/-7 V1.3.1

**4. Radio frequency spectrum usage**

Applied Standard(s):

EN 301 511 V9.0.2

**CE 0700**

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