GV-IA1330 / GV-IS1320

Intercom Controller Installation Guide

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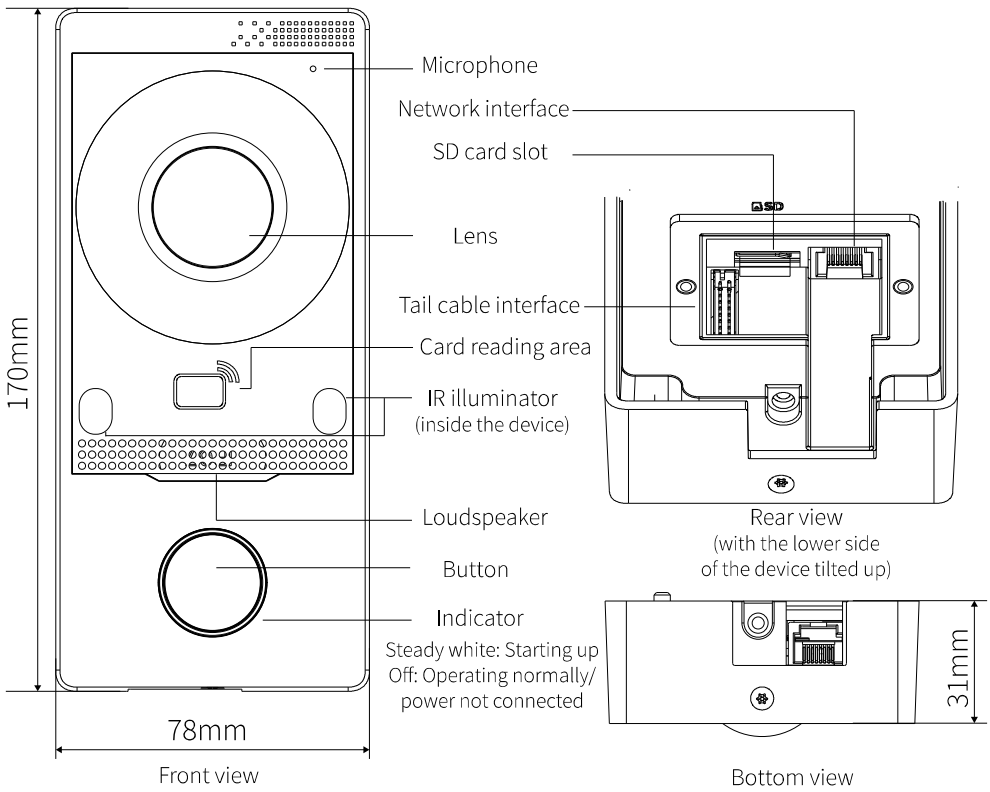
1 Packing List

Contact your local dealer if the package is damaged or incomplete.

1	Intercom Controller	6	microSD Card (32 GB)
2	Screw Kit	7	Drill Template Paster
3	Screw Driver	8	Download Guide
4	Wall Mount Bracket 	9	Embedded Bracket 
5	Function Cable 		

Note: Ensure the SD card is inserted during installation and formatted via the Web interface. Without a properly installed and formatted SD card, the controller will not function correctly.

2 Appearance



The cable specifications are as follows:

Cable	Color	Description
RS485_A	Orange	Connect RS485 interface
RS485_B	Yellow	
GND	Black	
ALM_IN1	Purple	Connect alarm input interface
ALM_IN2	White/Purple	
ALM_IN3	Light Green	
ALM_IN4	Yellow/Black	
GND	Black	Connect power interface
VDD12V	Red	
LOCK1_NC	Pink	Connect door lock interface
LOCK1_COM	White/Yellow	
LOCK1_NO	White/Green	
LOCK2_NC	Gray	
LOCK2_COM	White/Orange	
LOCK2_NO	White/Blue	
GND	Black	

3 Installation

3.1 Preparation

- Before installation, plan wiring for power cable, network cable, etc. The number of cables depends on the actual networking conditions.
- Please prepare the following tools:

Electric drill	Phillips screwdriver	Marker
Tape measure	ESD wrist strap or gloves	Glue gun

3.2 Installation Steps

The following figures are for reference only. The installation method may vary with scenarios.

3.2.1 Wall Mount

1. Mount the junction box (skip this step if no junction box).

   Use the existing junction box embedded in the wall or drill a hole to embed one. The two installation holes on the box should be parallel to the ground during installation.

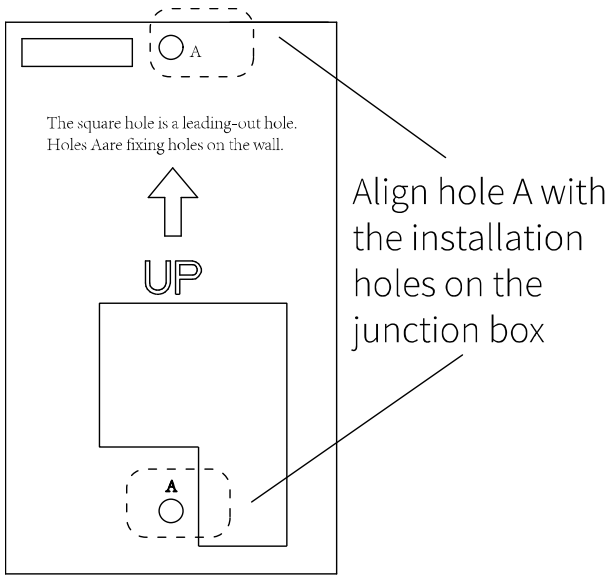
2. Paste the **Drill Template**.

- With junction box: Align the two holes (A) on the drill template with the two installation holes on the junction box. See the left figure below.
- Without junction box:

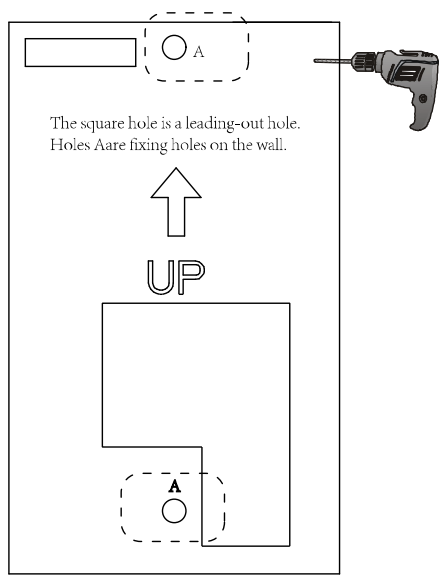
  (1) Paste the drill template on the wall with the arrow perpendicular to the ground.

  (2) Use a Ø6mm to Ø6.5mm drill bit to drill two 30 mm-depth holes on the A position (be careful not to damage cables in the wall).

  (3) Insert the expansion bolts into the two holes.



With junction box



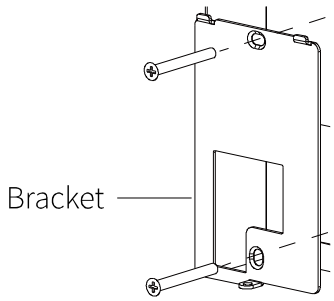
Without junction box

3. Mount the **Wall Mount Bracket**.

(1) Keep the two snaps on the bracket facing upward and the screw hole at the bottom of the bracket facing outward.

(2) Tighten the bracket.

- With junction box: Align the screw holes of the bracket to those of the junction box, insert two countersunk screws, and tighten them.
- Without junction box: Insert two M3.5 x 25mm countersunk self-tapping screws into the expansion bolts to fix the bracket.



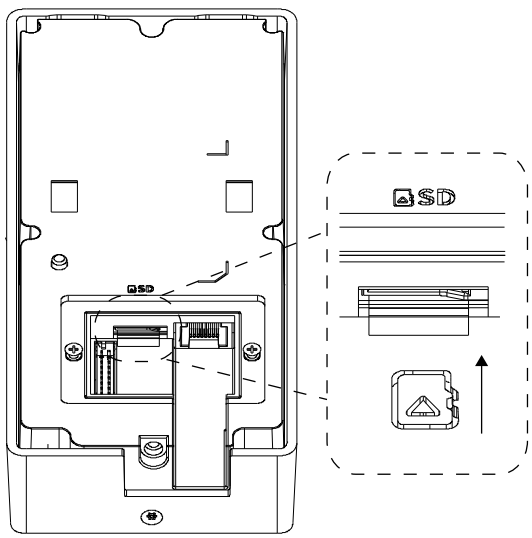
4. Install the **microSD card**.

NOTE!

For first-time setup, ensure the SD card is inserted and formatted. To formate the SD card, go to **Controller's Web interface > Setup > Storage**. For details, see *4.5 Storage* in the user's manual.

WARNING!

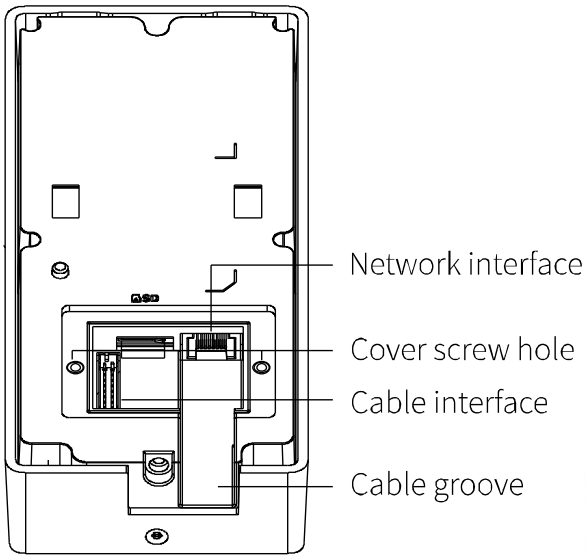
Do not hot plug the microSD card, otherwise the door station or the SD card may be damaged.



5. Connect all the cables.

(1) Connect the network cable and other cables to the rear panel correctly, and then lead the cables out from the cable groove.

Fix the rear panel (included in the packing list) onto the controller with two M2.5 x 5mm countersunk screws.



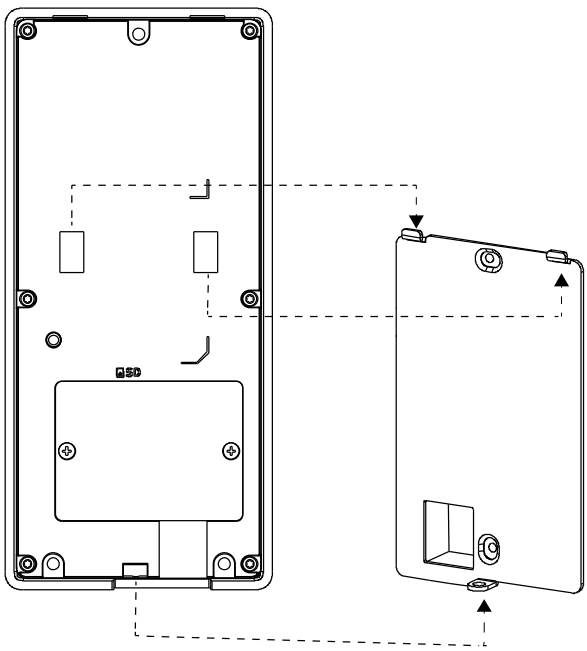


Rear panel

6. Mount the controller onto the Wall Mount Bracket.

(1) Align the slots on the controller with the two snaps of the wall mountbracket, and then insert.

(2) After the screw hole of the controller is aligned with the bracket hole, insert a M3 x 8mm Torx screw to fix the controller and the bracket.



Controller **Wall Mount Bracket**

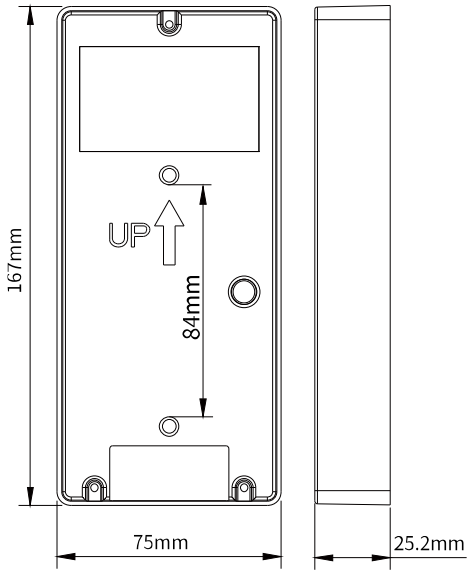
3.2.2 Recess Mount

NOTE!

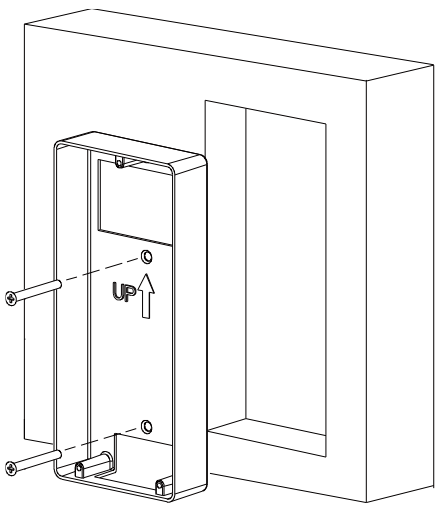
- Only metal door station supports recess mount.
- The Embeded Bracket included in the packing list will be used for recess mount.

1. Fix the **Embeded Bracket**.

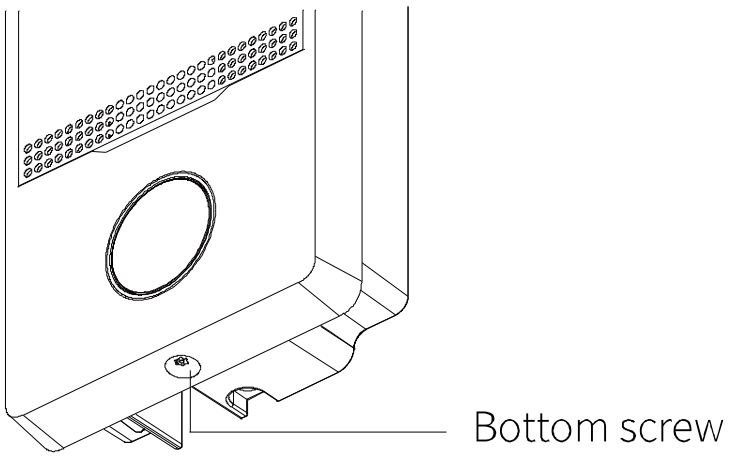
(1) Drill a recess and holes on the wall based on the embeded bracket size. Insert the expansion bolts into the two holes.



(2) Fix the embeded bracket onto the wall with two M3.5 x 25mm countersunk self-tapping screws.

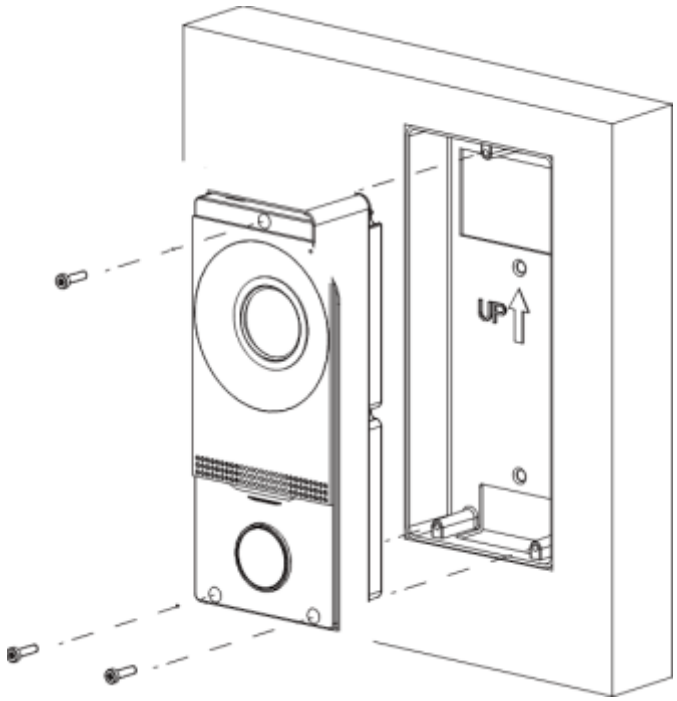


2. Loosen the screw at the bottom to separate the front shell from the controller.

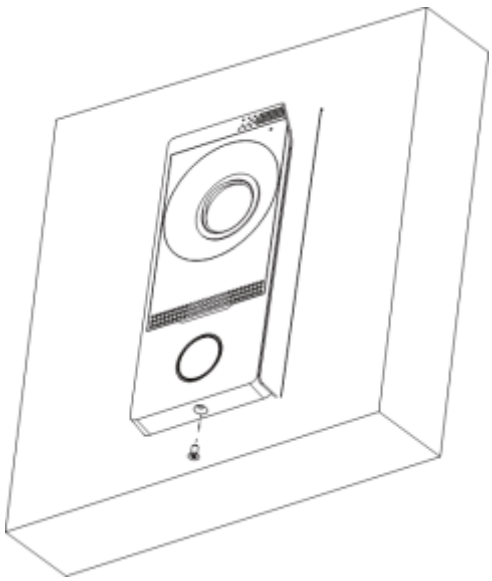


3. Optionally, install the **microSD card**. See Step 3 in Wall Mount for details.
4. Connect all the cables. See Step 4 in Wall Mount for details.
5. Fix the controller to the Embeded Bracket.

   (1) Align the three holes of the controller with those of the bracket, insert three M3 x 12mm cylindrical head screws and tighten.



(2) Re-insert the screw into the bottom of the controller again, and then tighten.



4 Startup

After the controller is properly installed, you can either:

Use a network cable to connect it to a PoE power supply, or

Connect one end of a user-purchased or prepared power adapter to the controller's power interface, and the other end to the mains supply.

5 Web Login

Log in to the controller's Web interface to perform management or maintenance operations.

The default network settings are shown in the table below and can be modified as required.

Item	Defaults
Network address	• IP address/subnet mask: 192.168.0.10/255.255.255.0 • Gateway: 192.168.0.1 **Note:** DHCP is enabled by default. If a DHCP server is deployed in your network, the controller may be assigned an IP address, and you need to use the assigned IP address to log in. See *2.2 Looking up the Dynamic IP Address* in the user's manual.
Username	admin
Password	It is required to set up a password for the device. You are strongly recommended to set a strong password of at least nine characters including all three elements: digits, letters, and special characters. If the password is changed, use the new password to log in. See *2.1 Creating Login Credentials* in the user's manual.

Follow these steps to log in to the Web interface:

1. Open your web browser, input the IP address of the controller on in the address bar and then press **Enter** to open the login page.

NOTE!

You may need to install a plug-in at your first login (close all the browsers when the installation starts). Follow the on-screen instructions to complete the installation and then open the browser again.

2. Enter the username and password, and then click **Login**.

Disclaimer and Safety Warnings

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Our company complies with applicable export control laws and regulations worldwide, including that of the People's Republic of China and the United States, and abides by relevant regulations relating to the export, re-export and transfer of hardware, software and technology. Regarding the product described in this manual, our company asks you to fully understand and strictly abide by the applicable export laws and regulations worldwide.

Privacy Protection Reminder

Our company complies with appropriate privacy protection laws and is committed to protecting user privacy. You may want to read our full privacy policy at our website and get to know the ways we process your personal information. Please be aware, using the product described in this manual may involve the collection of personal information such as face, fingerprint, license plate number, email, phone number, GPS. Please abide by your local laws and regulations while using the product.

About This Manual

- This manual is intended for multiple product models, and the photos, illustrations, descriptions, etc, in this manual may be different from the actual appearances, functions, features, etc, of the product.
- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.
- Despite our best efforts, technical or typographical errors may exist in this manual. Our company cannot be held responsible for any such errors and reserves the right to change the manual without prior notice.
- Users are fully responsible for the damages and losses that arise due to improper operation.
- Our company reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.

Disclaimer of Liability

- To the extent allowed by applicable law, in no event will our company be liable for any special, incidental, indirect, consequential damages, nor for any loss of profits, data, and documents.
- The product described in this manual is provided on an "as is" basis. Unless required by applicable law, this manual is only for informational purpose, and all statements, information, and recommendations in this manual are presented without warranty of any kind, expressed or implied, including, but not limited to, merchantability, satisfaction with quality, fitness for a particular purpose, and noninfringement.
- Users must assume total responsibility and all risks for connecting the product to the Internet, including, but not limited to, network attack, hacking, and virus. We strongly recommend that users take all necessary measures to enhance the protection of network, device, data and personal information. Our company disclaims any liability related thereto but will readily provide necessary security related support.

- To the extent not prohibited by applicable law, in no event will our company and its employees, licensors, subsidiary, affiliates be liable for results arising out of using or inability to use the product or service, including, not limited to, loss of profits and any other commercial damages or losses, loss of data, procurement of substitute goods or services; property damage, personal injury, business interruption, loss of business information, or any special, direct, indirect, incidental, consequential, pecuniary, coverage, exemplary, subsidiary losses, however caused and on any theory of liability, whether in contract, strict liability or tort (including negligence or otherwise) in any way out of the use of the product, even if our company has been advised of the possibility of such damages (other than as may be required by applicable law in cases involving personal injury, incidental or subsidiary damage).
- To the extent allowed by applicable law, in no event shall our total liability to you for all damages for the product described in this manual (other than as may be required by applicable law in cases involving personal injury) exceed the amount of money that you have paid for the product.

Network Security

Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- **Change default password and set strong password**: You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters and special characters.
- **Keep firmware up to date**: It is recommended that your device is always upgraded to the latest version for the latest functions and better security. Visit our official website or contact your local dealer for the latest firmware.

The following are recommendations for enhancing network security of your device:

- Change password regularly: Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- Enable HTTPS/SSL: Use SSL certificate to encrypt HTTP communications and ensure data security.
- Enable IP address filtering: Allow access only from the specified IP addresses.
- Minimum port mapping: Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- Disable the automatic login and save password features: If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.
- Choose username and password discretely: Avoid using the username and password of your social media, bank, email account, etc, as the username and password of your device, in case your social media, bank and email account information is leaked.
- Restrict user permissions: If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- Disable UPnP: When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage. Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.
- SNMP: Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.
- Multicast: Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.
- Check logs: Check your device logs regularly to detect unauthorized access or abnormal operations.
- Physical protection: Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- Isolate video surveillance network: Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.

Safety Warnings

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Do not remove the seal from the device body without consulting our company first. Do not attempt to service the product yourself. Contact a trained professional for maintenance.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

Power Requirements

- Install and use the device in strict accordance with your local electrical safety regulations.
- Use a UL certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cord set (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

Battery Use Caution

- When battery is used, avoid:
  - Extremely high or low temperature and air pressure during use, storage and transportation;
  - Battery replacement.
- Use the battery properly. Improper use of the battery such as the following may cause risks of fire, explosion or leakage of flammable liquid or gas.
  - Replace battery with an incorrect type;
  - Dispose of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery;
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.

Avertissement de l'utilisation de la batterie

- Lorsque utiliser la batterie, évitez:
  - Température et pression d'air extrêmement élevées ou basses pendant l'utilisation, le stockage et le transport.
  - Remplacement de la batterie.
- Utilisez la batterie correctement. Mauvaise utilisation de la batterie comme celles mentionnées ici, peut entraîner des risques d'incendie, d'explosion ou de fuite liquide de gaz inflammables.
  - Remplacer la batterie par un type incorrect;
  - Disposer d'une batterie dans le feu ou un four chaud, écraser mécaniquement ou couper la batterie;
- Disposer la batterie utilisée conformément à vos règlements locaux ou aux instructions du fabricant de la batterie.

Regulatory Compliance

FCC Statements

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.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

LVD/EMC Directive

This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

WEEE Directive–2012/19/EU

The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

Battery Directive-2013/56/EU

Battery in the product complies with the European Battery Directive 2013/56/EU. For proper recycling, return the battery to your supplier or to a designated collection point.