USER MANUAL

Model: SH1-BLK-MT

SMART HELMET

CONTENTS

Thank you for choosing the Smart Helmet! This product supports a 60FPS high speed camera, BT music, phone calls, remote controlled safety lights, auto brake detection. It will bring you enjoyment and provide you with the increased riding safety and visibility to others. Please thoroughly read the entire product manual carefully before using.

◆ Product Overview

Indicator — 1080P Camera — Venthole — Control Buttons — Remote Control Safety Light

Mic — USB Charging

Magnetic Removable Goggle — Left Strobe Flash — Right

BT Hand-Free Speaker — Removable Earmuff — Size Adjustor — Handel Bar Mounter

- ● **Size: 11.2"L x 8.7" W x 7.3" H**
- ● **Weight: 1.1 lbs. without goggle and earmuff**
- ● **Wearable head circumference: 22.8"-24"**
- ⚲ *How to Measure Head Circumference?*

    Use a flexible tape measure to encircle the **head, measure above the ear, including hair.**

IN

◆ Included in Packaging

Smart Helmet x 1   Goggle x 1   Earmuff x 2   Remote Control x 1   Silicone Gel Adapter x 1   Type C Charging Cable x 1

Adaptor*1   Charging Cable*1

◆ Helmet Introduction

The PC shell and polymer EPS protective layer of the Smart Helmet is shaped with integrated molding technology, which makes the product lighter and stronger. That means that the shell and the protective layer are formed as a single component, closely fitted, to prevent any separation from each over the duration of use. Even with the built-in functionality, the Smart Helmet still maintains an ultra light weight of only 1.1 lbs., which enables you to easily wear it for long-distance riding while providing you with better safety.

● **Goggles**

The Goggles are designed to be magnetically attached/detached. The lenses of the goggles are made of reinforced material, which is safe and reliable with clear vision. They also have an anti-fogging coating, which helps to prevent the inner side of the goggles from fogging up and providing you with more intensive safety protection.

● **Fit Adjuster**

The Helmet is equipped with a high-quality elastic fit adjuster, which can be adjusted from 22.8" - 24", to accommodate your head circumference.

● **Liner**

This product has a breathable material liner, which helps to keep the head cooler. It is easy to remove and reinstall for cleaning.

● **Camera**

The built-in real FHD 1080P camera support up to 60 FPS high speed frame rate, allow you to take stable videos during riding. You can also take picture during video recording without interruption.

● **Remote Controlled Safety Lights**

The Smart Helmet has built-in Remote Controlled Safety Lights enabling you to control the turn signal lights on your by pressing the corresponding turn button on the remote control. This signals to people behind for increased safety while riding. The controls also support strobe mode. Pressing the strobe mode button of the remote control will activate the strobe mode on the helmet, constant flashing for visibility to others.

● **Camera Resolution and Specifications**

This product has built-in high-definition wide-angle camera components. The resolution of video files is 1920 x 1080, and the resolution of static pictures is 4032 x 2880. The maximum diagonal visibility is 120 degrees.

● **Video File and Image File Format**

Video resolution: 1920 * 1080 at 60 FPS (for 60FPS high speed camera model only), encoding format is H.264, file format: MOV. Photo resolution: 4032 * 2880, file format: JPEG.
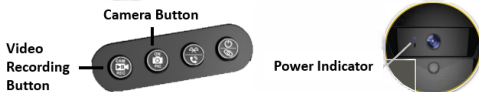
● **Memory Card**

This product supports up to 128GB micro-SD memory card. Please insert the memory card in the correct direction into the memory card slot on the side of the helmet lining, and then turn on the camera power to take photos or video. In order to ensure the proper functioning of the camera, please make sure to use a high-speed memory card at least in C10 class, otherwise it may cause damage to the video and image files.

(Note: the memory card is NOT included in the accessories of the

● **Video Recording**

1. Press and hold the Camera button 🔘 of the Smart Helmet for 3 seconds, the power of your Smart Helmet Camera will turn on, you will hear the notification sound of turning on the camera, and the power indicator under the camera cover will light up.

2. Press the video recording button 🎥 of the Smart Helmet, and your Smart Helmet will start recording video. You will hear the notificaton sound of recording start operation, and the power indicator under the camera cover will start flashing. Press the Video Recording button 🎥 again, and your it will stop recording. You will hear the notification sound of end recording and the power indicator will return to normal.

● **Take Photos**

Press and hold Camera button 🔘 for 3 seconds, the power of your Smart Helmet Camera will turn on, you will hear the notification sound of he camera turning on and the power indicator under the camera cover will light up. Press the Camera button 🔘 on the Smart Helmet, and it will take a photo. You will hear a capture notification sound of taking photo.

You can take a picture even when your Smart Helmet is recording video. Press the Camera button 🔘 on the Smart Helmet at any time to take a photo. You will hear the notification sound of taking photos. Please note that the resolution of the captured photo in this mode is the same as that of the resolution of the video of 1920 x 1080.

● **Replay videos and Photos**

1. Please connect the type C cable to the Smart Helmet, and insert the other end of the cable to your PC's USB slot, the smart helmet will be recognized as a removable disk, use your PC browser to find the video files in video folder and pictures in photo folder, the file names are arranged in numerical order. You can select the video file or image file to replay by sorting the generate date of the files.

2. You can also use various of computer software programs to edit the video or photo files taken by the Smart Helmet and share them with your friends. (Note: computer video or image editing software programs are not included with this product and needs to be purchased separately.)

3. In case the type C cable is not available, you can also eject the micro SD memory card from your smart helmet, and insert it into a card reader, connect the card reader to your PC, then use your PC browser to browse the video files in video folder and pictures in photo folder, and use the video player to replay the video or picture.

◆ **USE OF HANDS-FREE BT SPEAKER**

● **Bluetooth Version and Specification**

The Bluetooth hands-free speaker of your Smart Helmet is Bluetooth V4.0. The effective connection distance is 33 feet.

Phone Button

Bluetooth Device Name

● **Pairing Mobile Phone**

1. Press and hold the Phone button 🕼 of the Smart Helmet to turn on the power of the Bluetooth speaker of your Smart Helmet. You will see the indicator light of the Bluetooth speaker start flashing, and you will hear the power on notification sound. After hearing "Bluetooth waiting for connection, release the Phone button 🕼 .

2. Enter the Bluetooth settings on your smart phone. Search for Smart Helmet, shown as "**helmet_BT**" in Bluetooth device list of your smart phone. Select "**helmet_BT**" to connect. After successful pairing, you will hear notification sound of connection.

● **Playing Music**

After the Bluetooth speaker is successfully paired to your smart phone, you can stream music from your music app of choice on your smart phone. The audio will be transmitted to your Smart Helmet hands-free Bluetooth speaker through Bluetooth, so that you can enjoy the music while wearing the helmet.

● **Answering, Rejecting, Making or Redialing Phone Calls**

When the Bluetooth is connected, you can answer calls through the BT hands-free speaker of the Smart Helmet. For incoming calls, the Smart Helmet will broadcast the call number by voice. Press the phone button 🕼 on the helmet to answer the call, or double-press to reject the call. When your smart phone is in standby mode, you can double-press the phone button 🕼 on the helmet to redial the last call. (Note: Some smart phones may require you to select the audio device to answer the call in the phone interface. Please make sure to enable the Bluetooth device as the audio device to answer the phone, so that the Bluetooth hands-free audio speaker of your Smart Helmet can utilize the phone connection features.)
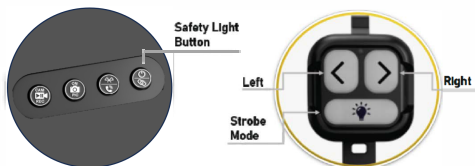
● **Audio of other APP**

Your smart helmet can receive audio from your smart phone apps through BT connection, such as navigation software, audible book software, etc. When you are using these APPs, you can still utilize the phone features without interuption.

● **Voice control**

After the BT hand-free speaker is successfully connected with your smart phone, you can call or activate your smart phone voice assistant through the microphone on the Smart Helmet to operate your smart phone. This function only supports smart phones with built-in voice assistant, so please make sure that your smart phone has built-in voice assistant function, and that the voice assistant function has been activated in your smart phone settings.

◆ **Use of remote controlled safety light**

● **Specifications of Safety Lights**

LED Brightness: 200 Lumens
Operation Mode: Remote Control
Remote Control Signal Frequency: 433MHz
Buttons: Left Turn, Right Turn, Strobe

● **Pairing the Safety Lights with Remote Control**

The first time using the Safety Lights, you will need to pair the remote control to the Smart Helmet.

1. Press and hold the Safety Light button 🔅 on your smart helmet for 7 seconds, the Safety Lights will turn on and flash in round circle mode, release the Safety Light button 🔅 .

2. Press any key on the remote control, the Safety Lights will stop flashing and go back to normal light, indicating the pairing is successful.

● **Using the Safety Lights**

1. Press and hold the safety light button 🔅 of the Smart Helmet for 3 seconds, the power of the Safety Lights will turn on.

2. After the Safety Lights are turned on, you can use the remote control to make a turn signal. When you need to turn left, press the left turn button < of the remote controller, and the left turn signal light of the Smart Helmet will flash for 8 seconds. At the same time, you will hear the turn signal sound from the left speaker of the Smart Helmet. The turn signal and reminder tone will turn off after 8 seconds, and the Safety Lights will return to normal. When you need to turn right, press the right turn button > of the remote controller, and the right turn signal light of the Smart Helmet will flash for 8 seconds. At the same time, you will hear the turn signal sound from the right speaker of the Smart Helmet. The turn signal and remind tone will turn off after 8 seconds, and the Safety Lights will return to normal.

● **Strobe mode**

When you are riding at night or in a complex traffic environment, you can use strobe mode by pressing the Strobe button 🔆 on the remote control to increase your visibility. Press the Strobe button 🔆 again to exit mode.

● **Brake automatic detection**

The built-in G-sensor of the Safety Lights can detect the deceleration, and automatically turn on the brake light in highlight mode, so as to notify the vehicles behind.

(Note: The automatic detection may be activated because of the jolt during the riding, it's not a product defect, and will not interrupt your riding).

● **Replacing the remote controller battery**

1. Please use a screwdriver or coin to turn the battery compartment cover on the back of the remote control clockwise.
2. Remove old battery and replace with new one.
3. Align battery compartment cover with the notch on the back of the remote. Press and use a screwdriver or coin to turn tighten by turning counterclockwise.

Clockwise to unlock the cover

Lift then remove the battery cover

Anticlockwise to lock the cover

WARNING: Use only CR2032 button battery as the power supply for the remote control. Using incorrect batteries may cause damage.

● **Battery Specification**
  Battery type: Lithium-ion safe polymer
  Capacity: 1200 mAh.

● **Charging**
  This product is designed with over-current and over-voltage
  protection circuit. The charging current is set at 350 mAh
  and the full charging time is about 4 hours.

⚠ **Warning: Please use DC 5V USB TYPE C charger
   to charge the smart helmet. Using incorrect
   charger may damage your smart helmet.**

  1. Uncover the USB connector lid at the back side of the Smart
   Helmet.
  2. Connect the USB Type C charging cable to the adapter.
  3. Use the USB Type C charging cable to charge.
  4. The charging LED light will turn on as notification during the
   charging, and off after the charging is finish.

  1. Bluetooth continuous music playing time: 72 hours
  2. Safety Lights continuous: 12 hours
  3. Duration of HD camera continuous recording: 3 hours
  4. Note: Above battery life statistics are based on the typical
  application scenarios and laboratory test environment, the
  actual battery life will be different from the above result
  according to the use environment.

◆ **WATERPROOFING INSTRUCTION**

  ● **Waterproof grade**
    This product is designed to meet IPXS waterproof rating, which
    can provide ordinary water splash proofing.

  ● **Precautions**
    Do not immerse the product in water or use the product in
    rainstorm weather to avoid damaging the electronic
    components inside the Smart Helmet.

◆ **TROUBLE SHOOTING**

● **No response when pressing the power button**

Please check if the battery has been exhausted. As the battery may still discharge during transportation, it is recommended that you charge the helmet for 3 to 4 hours before using it.

● **Unable to take photos or video**

Please check if the battery has been exhausted. As the battery may still discharge during transportation, it is recommended that you charge the helmet for 3 to 4 hours before using it.

● **Unable to operate the safety lights by the remote control**

Please try to replace the button battery of the remote control.

● **Unable to make phone call**

1. Please make sure that your Smart Helmet and smart phone are properly paired and connected.
2. Check if the volume setting of your smart phone is correct.
3. Check if your smart phone is set to Bluetooth audio device for calling preferences.

● **Screen is black when replaying video**

Please make sure proper media decoder software have been installed on your PC or video player, such as decoders for MJPEG, or H.264.

◆ **INSTALLING ACCESSORIES**

● **Installing or Removing Magnetic Goggle**
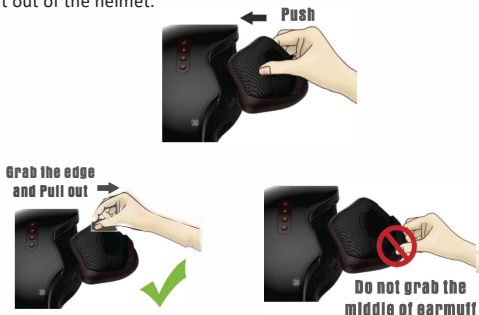

Pull Away

Put Close Towards

The Goggle is designed to attach/detach by magnetic connectors. Hold the Google and place close to the helmet connectors in the front of the helmet. The Goggle will automatically affix in position. To remove the Goggle, please gently pull the Goggle away from the helmet.

● **Installing or Removing the Earmuff**

The earmuff can be removed or installed according to the weather condition, you may install the earmuff in cold weather to protect your ear against the cold wind and keep you warmer

during your ride. The Earmuff are designed to be different in LEFT and RIGHT direction. Please install the Earmuff according to the correct direction. To install the Earmuff, please hold the Earmuff with the plastic connector towards the connection base of the helmet in correct direction. Push the Earmuff into the base until it is firmly secured. To remove the Earmuff, please grip the edge of the Earmuff and firmly pull it out of the helmet.

WARNING:
Do NOT grip the middle of the Earmuff. Gripping the middle of the Earmuff can cause damage to the connector.

◆ **TESTING AND CERTIFICATIONS**
This product designed to pass the following test and certifications:
- **Electronic parts certificates:** CE, FCC,
- **Helmet safety test:**
  1. China: GB24429-2009
  2. EU: EN1078
  3. USA: ASTM 11447, CPSC1203
- **Environmental protection certificate:** RoHS, CA prop 65

◆ **SUPPLEMENTARY STATEMENT**
1. According to the market demand, user experience feedback and technology update, some appearance and function of this product may be adjusted without further notice.
2. This product is an auxiliary equipment for riding safety. Please use it correctly according to the traffic safety laws and regulations of local country.

- Warning In Accordance with CPSC Safety Standard

WARNING!
No helmet can prevent all head injuries or death. Read manual. For maximum protection helmet must be fitted and adjusted properly to the warer's head per the instructions in the manual. Destroy and replace helmet after impact, damage can be invisible. Solvents may damage helmet invisibly. Clean only with mild soap and water.

- Warning In Accordance with ASTM Safety Standard

WARNING!
No helmet can prevent all head injuries or death. Read manual. For maximum protection helmet must be fitted and adjusted properly to the warer's head per the instructions in the manual. Destroy and replace helmet after impact, damage can be invisible. Solvents may damage helmet invisibly. Clean only with mild soap and water.
For use in recreational bicycling but not trick bicycling or downhill mountain bike racing. For use in recreational roller skating but not trick roller skating or roller hockey For use in recreational bicycling or roller skating but not trick bicycling or roller skating, downhill mountain bike racing, or roller hockey.

- Wear the Smart Helmet as indicatied the instructions below. Incorrectly wearing the helmet will not provide proper protection for the wearer.