

Sytong
PRODUCT INSTRUCTION

Shenzhen Shi Yutong Technology Co., LTD

Cautions

1. Do not look directly at the IR illuminator directly at close range, otherwise it will cause damage to your eyes!
2. When the infrared illuminator of this product is turned on, it will focus a large amount of energy. It is strictly prohibited to aim at flammable objects at close range. Otherwise, it may cause a fire. Please turn off the IR fill light when not using the device, or enter sleep mode!
3. Please use a lithium-ion rechargeable battery with a rated voltage of 3.7V!
4. If the equipment malfunctions, please contact the manufacturer in time and do not open the case without authorization, otherwise the warranty service will be deemed to have been waived.



Note: Only suitable for charging with chargers below 5V.



Unboxing instructions

The box contains a night vision device, a Picatinny rail, a data cable, and two hex wrenches. This product does not include a memory card. If you intend to use functions such as taking photos and videos, you will need to prepare a FAT32 formatted TF card (maximum supported capacity of 128GB)!

Installation Notes

1. Battery installation

Unscrew the battery cover and use a flat-head 18650 lithium-ion rechargeable battery with a rated voltage of 3.7v. Install it with the positive pole facing in.

Please make sure the battery cover is tightened.

2. Debugging

After installing the battery and turning on the power, begin by adjusting the diopter. Rotate the night vision eyepiece diopter adjustment wheel until the four-corner text icon on the screen is clear (there's no need to see the image clearly). Next, adjust the night vision objective lens focusing wheel until the target is clearly visible.

Switch between different palettes, and test the infrared illuminator and red dot indicator light. For the ranging LRF version, please conduct a distance measurement test.

3. Mount installation

There are multiple screw holes under the night vision device. Use a hexagonal wrench to fix the guide rail as needed. The position of the guide rail can be adjusted appropriately through the fixing screws. The Picatinny mount provided are suitable for many types of rails.

Instructions

1.Turn On/Off

Press and hold the power button for 3 seconds to turn on the device. Press and hold the power button to turn off the device. The power indicator light stays on in the power on/sleep mode.

2.Sleep Mode

Enter sleep mode with a short press of Power/Sleep button when the device is turned on. Power indicator will keep ON when the device entering sleep mode.

3.The Eyepiece Dioptre Adjustment

Eyepiece focusing, also known as diopter adjustment, aims to enable users with different eyesights to clearly see the display screen. Turn the focus wheel so that your eyes can clearly see the text icons in the four corners of the screen.

Please note that it does not mean that the image can be clearly seen after adjustment. This step is just to ensure that the four-corner icons on the display can be clearly seen.

4.The Objective Lens Adjustment

Make sure the eyepiece dioptre adjustment is finished. Aiming at your target, rotate and adjust the objective lens ring until you get a clear and well-focused image.

5.IR illuminator adjustment

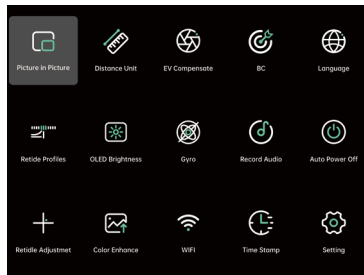
Under the black and white or green mode, short press the navigation UP button to adjust the IR light level (IR 1-5 levels are available), or you can adjust the focus fill light by rotating and stretching the IR illuminator housing.

6.Red Dot Adjustment

Long press the Menu button to activate the laser red dot. The position of laser can be adjusted on the laser adjustment holes by a hex-nut wrench.

7.Menu Operation

Short press the menu key to call out the menu bar, use the "▲" and "▼" keys to select the submenu, short press the " menu" key to enter the secondary menu, short press the "▲" and "▼" keys to switch options, short press the " menu" key to confirm .



1>Picture in Picture

Press the "Menu" key to enter the submenu, press "▲" or "▼" to choose to turn on or off the picture-in-picture function, and short press the "Menu" key to confirm.

2>Reticle Profiles

Used to save the ballistic zero point parameters set by the user.

3>Reticle Adjustmet

Short press the "Menu" button to freeze the image, short press the camera button to move to the X, Y axis value, use the up and down keys to adjust the crosshair position until it coincides with the impact point, short press the camera button to move to other options, and after the settings are completed, move to the save option. short press the "Menu" key to

save and exit, long press the "Menu" key without saving, the set distance will be saved in the zeroing storage menu with the distance as the zeroing point name.

4>Distance Unit

Select "meter" or "yard" on the submenu, and then change the distance measurement display unit after confirmation.

5>OLED Brightness

Select "OLED Brightness" with the cursor and press the "Menu" key to call out the submenu. Select the five options of "Super Dark, Dark, Normal, Bright, and Super Bright" on the submenu to adjust the display brightness.

6>Color Enhance

You can choose natural or enhanced mode and press the "Menu" button to confirm.

7>EV Compensate

Select "Exposure Compensation" with the cursor and press the "Menu" key to call out the submenu. Options "1-10".

8>Gyro

Press the "Menu" key to enter the sub-page, and select "On, Off, Adjust" on the sub-menu.

9>WIFI

Select "WiFi" with the cursor and press the "Menu" key to call out the submenu. Select "On" or "Off" on the submenu.

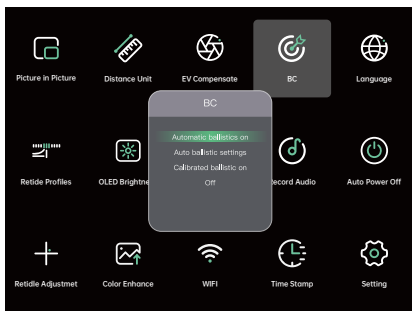
10>BC

Select BC and press the MENU button to get the sub menu:Auto Ballistic On/Auto Ballistic Setting/Calibration Ballistic On/Off.

1)Select Auto Ballistic On, press the MENU button to confirm. Hold the MENU button to quit.

2)Select Auto Ballistic Setting:

Press the CAMERA button to switch the parameters.



Bullet Weight	168 gr
BC	0.645
Muzzle Velocity	808 m/s
Scope height	71 mm
Zero distance	100 m
Altitude	200 m
Temperature	16 °C
Marking Color	Red
Confirm Cancel	

Press the UP/DOWN button to adjust the values of the parameters.

Press the CAMERA button to switch between Yes/Cancel. Select Yes to save the parameters and select Cancel to quit.

Hold the MENU button to quit.

3) Click the 'Calibration ballistic on' button. Open the calibration ballistic. Note: Calibration required to calibrate 5 sets of ballistic profiles at '0 meters, 40 meters, 60 meters, 80 meters, 100 meters. If you are using an airsoft gun, you need to calibrate a set of ballistics every 10 meters.

4) Select Off, press the MENU button to turn off BC. Hold the MENU button to quit.

11>Record Audio

Select Record audio and press MENU button to get the sub menu. Select ON/OFF to be with/without audios.

12>Time Stamp

Select On/Off to confirm whether to display the date when recording or taking photos.

13>Language

Select a language with UP/DOWN button and confirm with a short press of MENU button.

14>Auto Power Off

Options: 10 minutes/20 minutes/30 minutes/Off. The default setting is Off.

15>Setting

Select Setting and press the MENU button to get the sub menu:Date/Time,Format,Default Setting,Version.

(1)Date/Time

Select Date/Time and press the MENU button to get the sub menu.Move the options with short press of CAMERA button. Change the option values with UP/DOWN button.

Change the date display mode with short press of UP/DOWN button. Confirm by short press of MENU button. Don't save with long press of MENU button.

(2)Format

Enter into sub menu of Format, select Yes/Cancel to confirm or cancel with a brief press of MENU button.

(3)Default Setting

Select Default Setting and press MENU button to get the sub menu. Select options Yes/Cancel.

(4)Version

Select Version to view the device's software version.

8.Shortcut key operation

The buttons correspond to a variety of operating functions. Short press or long press can achieve different shortcut operations.

 sleep/power button

Press and hold the power button for 3 seconds to turn on the night vision device. Press and hold the power button in the powered-on state to turn it off. In power-on state Short press the power button to put the night vision device into sleep standby/wake up.



①.Exposure compensation/photography and video recording

Short press to adjust exposure compensation, long press for 1.5-3 seconds to release shooting, and long press for 3 seconds to record video.

②.IR/Mode switching

Short press to turn on the fill light (valid in black and white mode and green mode), long press to switch the image color mode.

③.MENU

Short press to open the menu, long press to return to the previous level;

When ranging is turned on, short press the menu key to lock/unlock the ranging data.

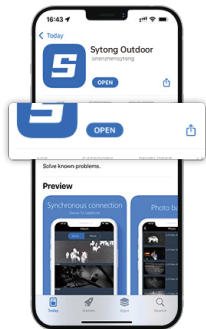
④.Zoom/Laser Rangefinder

Short press to zoom in, long press to start ranging.

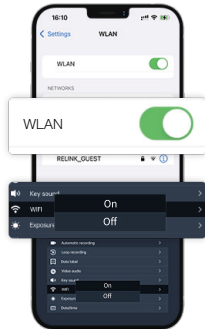
APP Connection



Download APP by Scanning the QR code according to the mobile phone system.



Download the APP



Turn on WiFi on HT-70LRF and phone



Enter APP



Choose WiFi "xxx-..." to connect WiFi
(Password: **12345678**)

Specifications

Model	HT-70LRF	Battery	18650X1	Dimension	194x83x82mm
Magnifying Power	5x-20x	Focusing	3m-∞	AMOLED	1024X768
Voltage	3.7V	Infrared Wavelength	850nm	Laser Rangefinder Range	800m
Measuring Accuracy	± 1m	Output Type	MP4	Infrared Fill Light Power	5W
IR Illuminate Distance	400m	Battery Life	6.5h	Data Transmission	WIFI
Frame Rate	60fps	Net Weight	570g	Video Resolution	1440X1080
Storage Type	TF card (FAT32)				

Warranty card

Product model:

Product code:

Date of purchase:

Warranty period:

User Name:

User's phone:

User address:

Warranty records:

Warranty instructions

Thank you for purchasing this product. During the warranty period, we will provide you with the highest quality service in accordance with the terms of this warranty.

1: Warranty policy

Users of this product are assured that they will receive a valid warranty if they comply with the following conditions.

- (1) This warranty card must be provided together with the warranty.
- (2) During the warranty period, free repairs and free replacement of accessories will be provided for failures caused by non-human factors.

2: Warranty restrictions

If the product is damaged due to the following reasons and cannot be used normally, it is not covered by the warranty.

- (1) Please do not disassemble the night vision device by yourself. If a malfunction occurs, please contact the manufacturer in time. Repairs and modifications not approved by our company, or product sealing stickers that are broken, are not covered by the warranty.
- (2) All product damage caused by human factors or accidents, including use in abnormal working environments, damage caused by failure to use and install in accordance with the instructions, etc., are not covered by the warranty.
- (3) The company reserves the right to modify and interpret the above terms.

FCC Warning

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

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.

Note: This equipment 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 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:

- 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environmen

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Sytong Thermal



Sytongnightvision



Sytong Night Vision



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support@sytong2013.com



<https://www.sytong2013.com>