

Thank you for purchasing this Automatic Panorama Head.

Please read carefully this manual before using, and then use this Automatic Panorama Head correctly on the base of through understanding.

Safety instruction

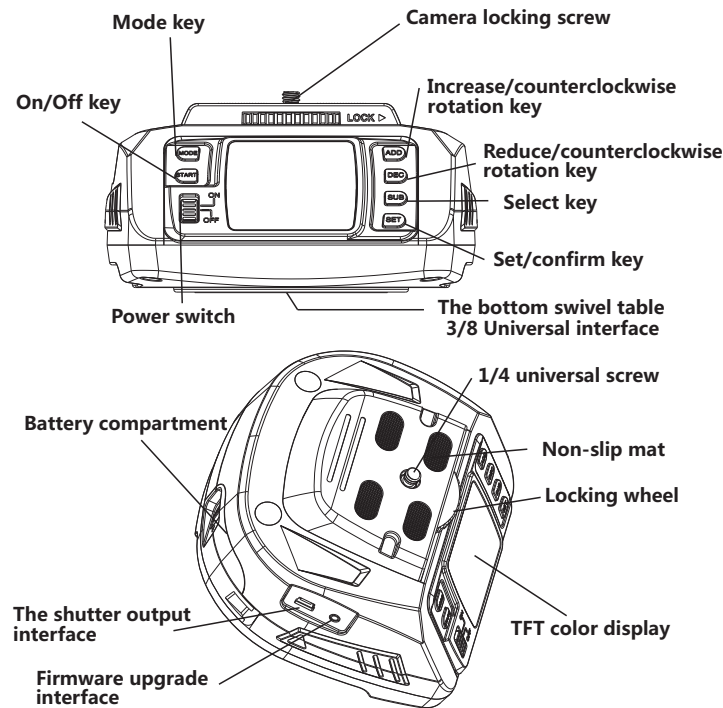
- 1.Never trigger the Automatic Panorama Head around flammable gas or liquid gas (such as gasoline and solvents)! There will be danger of explosion!
- 2.Only use the battery listed in this manual!
- 3.Never place the battery in high-temperature environment, such as under the sun or in the fire.
- 4.Remove the drained battery from the Automatic Panorama Head while the liquid exuding from the battery will damage the Automatic Panorama Head.
- 5.Note to protect the Automatic Panorama Head under extremely hot or damp environment!
- 6.Never unpack the Automatic Panorama Head by yourself during three kinds warranty ! There will be danger of electricity shock! Non professional personal can not fix the component in the Automatic Panorama Head.
- 7.The quick change of temperature will cause vapor condensation. if this kind of situation happen, should give the Automatic Panorama Head enough time to gradually adapt to the environment temperature.

Automatic Panorama Head AD - 10 product features

- Automatic electric control Li-ion battery head.
- Workable for independent brand 2.4 G wireless remote control signal
- Make it real of 360 degree of timing. Rotating head as well as panorama shooting.
- Small and portable

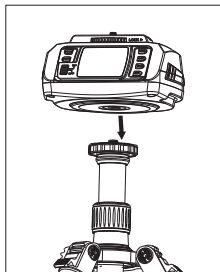
- Canon, Nikon, Sony, Pentax etc. , SLR/ Micro single/Cellphone Gopro all universal.
- Exclusive use connect with Camera, Cell phone holder, Rotate plate and Tripod.

The controller part

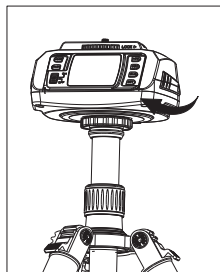


Preparation before use

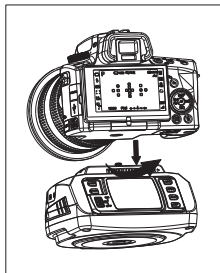
Install



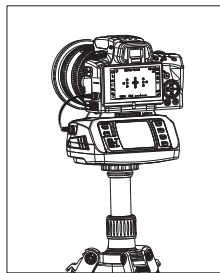
1. Connecting Automatic Panorama Head to the screw of the tripod bearing platform.



2. Screw the Automatic Panorama Head clockwise



3. Put the camera on the screw above of Automatic Panorama Head. Fix camera on the Automatic Panorama Head by toggle locking wheel in the direction shown by the mark.

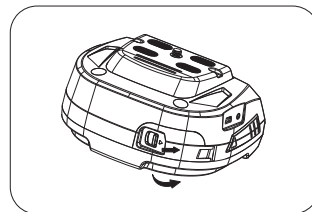


4. Through the camera shutter lines to connect the camera shutter interface and Automatic Panorama Head shutter output interface.

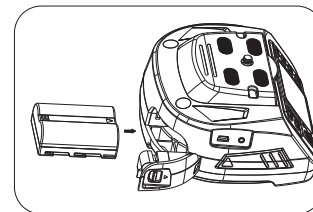
Looking for the lens hold

You can surf the internet for accurate lens hold.
Do not recommend using telephoto lens.

Installing the battery

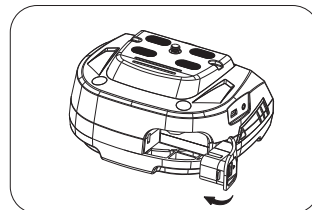


1. Open the cover



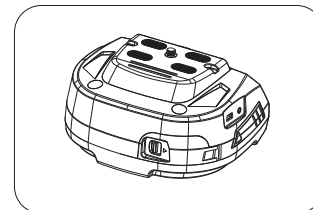
2. Install the battery

According to the battery icon signs into the battery, make sure the battery positive and negative contacts are correctly oriented.



3. Close the battery cover

Sliding direction of the arrow battery cover, turn it off



4. As shown in the figure

Applicable to the Automatic Panorama Head for 1 section 7.4 V 1500 mAh rechargeable lithium battery. This battery has large capacity and low of self-discharge rate and in no need of maintenance. Prompted when the battery is low, please remove the battery Charge. Turn off the power and remove the battery if long time no use. Never use any defected battery to this Automatic Panorama Head. • **Do not short-circuit the battery positive and negative electrodes** • **Do not disassemble** • **Do not immersed in the water or into the fire** • **Charge only with the specified charger.**

Use detail

Turn on the controller power. If the power is low, it will display low-battery-power interface (As Image 1), please change the battery; if the power is ok, it will display the power-up interface (Product logo and Model as Image 2). The system initialize:



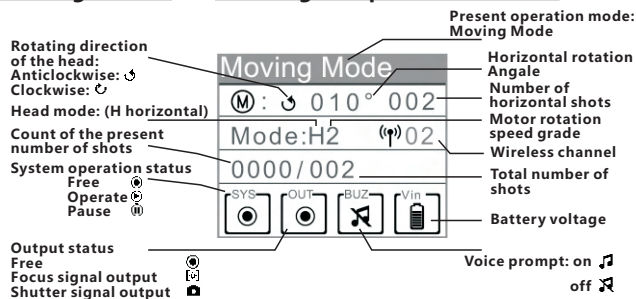
1, Low battery power



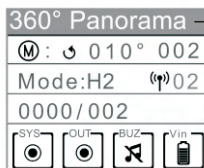
2, Power-up interface

System initialization finish, it will display the main interface operation. (Image 3, 4)

Panorama head operation mode can be divided into Moving model and 360 degrees panorama mode.



3, Operate the main interface



4, Operate the main interface

Parameter setting

Receipt of the equipment, if you need to change the shooting parameters, please enter the main interface for setting its own parameters. Long press the [SET] button 3 seconds into the main settings interface.

Main

→ Moving Mode
360 Panorama
Settings

Short press the [SUB] button to choose Settings. Options conversion among moving mode, 360 panorama and settings, short press the [SET] button to enter the corresponding parameter Settings.

If you want to quit setup state, long press the [SET] key to save and exit return to the initial interface.

1. Moving Mode mode

Moving Mode

Motor: 360° 000
Motor Direction: ⤴
Motor Speed Level: 2
Shutter output dwell time: 99S
Channel: 01

Horizontal rotation angle

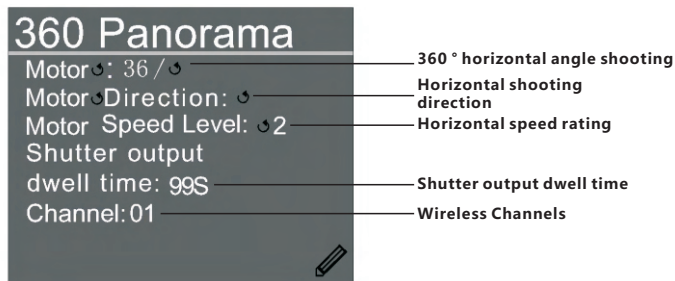
The number of shots in the horizontal direction
Horizontal shooting direction
Horizontal speed rating

Shutter output time
Wireless Channels

Set the interface Moving Mode model parameters, according to [SUB] button to select parameters need to be modified (Shown in red), Press the [ADD] [DEC] button to modify the parameters. Parameter setting development [SET] button for 3 seconds to save and exit, if you want to change or cancel the setup mode, press the [START] button to cancel and return to the previous menu.

Note: After setting the parameters for each mode by pressing[SET] to save and exit, then re-open the round of shooting.

2. 360 Panorama mode



Parameter setting and adjustment method are the same as Moving Mode.

1. Shooting angle

Under motor model, shooting angle is 5 degree to 360 degree,

2. Quantity of pictures

Quantity of picture can be chosen from 1 to 200 when under motor model.

Quantity of pictures can be 3/4/6/8/12/24/36/45/60/72 every circle when under panoramic model. Real angle of rotation is equal to 360 degree divided by quantity of pictures.

3. Horizontal rotation direction

Direction of level moving: inverse house and clockwise

4. Angle of rotation

According to the demands of shooting, angle of rotation can be timed and the angle can be 5 degree/10 degree/ 15 degree(increase every 5 degrees).

5. Rotary speed

Rotary speed in horizontal direction: there are 3 grades for choosing(1 grade is the fastest)

6. Shutter output dwell time

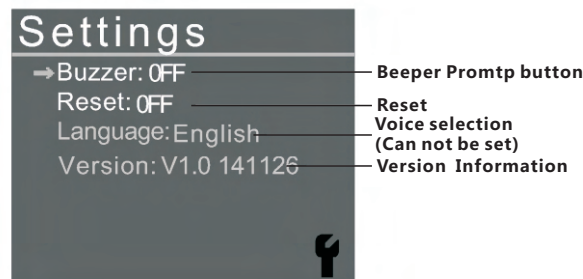
Shutter output dwell time: 1 to 99 seconds can be chosen

Note: The shutter output dwell time is to rotate to a fixed angle to trigger the camera shutter and stay. Recommended to set the shutter time Panorama head camera shutter is not less than the Camera shutter time.

7. Wireless channel

Channel of Wireless remote control: 1 to 16 channels can be chosen

3. Settings (Set the interface)



In the setup interface, complete the buzzer and initialization Settings.

Buzzer: Turn on or off the buzzer hints.

Reset: Reset electric head parameters to its original state.

Press [SUB] button to choose the parameters which need to modify (Show by Red).

Press the [ADD] [DEC] button to modify parameters

Press [START] button to cancel and return to the higher level menu.

Press the [START] key to exit the setup mode

In won-actived state or pause state, press [MODE] button, you can switch between Moving Mode and 360 panorama Mode.

Moving Mode	360 Panorama
(M): ↺ 010° 002	(M): ↺ 010°
Mode:H2 (P)02	Mode:H2 (P)02
0000/002	00/36
SYS OUT BUZ Vin	SYS OUT BUZ Vin

In the running state, short press [ADD] button, the head counterclockwise rotate 1°, short press [DEC] buttons, the head clockwise rotate 1°. Long Press [ADD] [DEC] button and continuous rotation. After position adjustment is completed, press [START] button to open a group photo shoot, when the film was finished, if the buzzer open, then short beeps twice prompt completion of filming. During operation, press the [START] button again, after the completion of the action to be being executed, enter the suspended state, press the [START] again to resume operation.

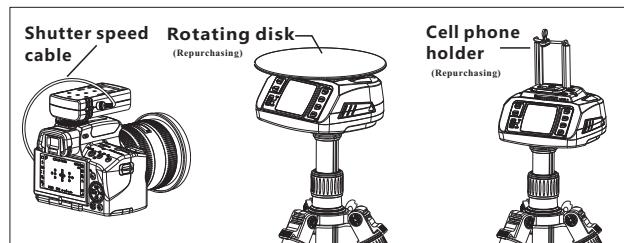
Remote control function

Use the special ase remote control to control Automatic Panoramic Head rotating. Remote control receiving the 2.4 G signal of the Proprietary Brand.

Whether in the set state or running state, the controller can receive information from the remote control, and short beeps loudly tips received correctly, thus avoiding the shooting into the setup interface lead to restart.

Note: Automatic Panorama Head once after enter setup interface changing parameters and exit, began filming a number from 0. If use the remote control to change the parameters, the countig will continne as before, Number of sheets will not start from 0 to count.

When Automatic Panoramic Head controller output shutter. It will output single to the remote control, After remote control receiving a signal. It will output it to the camera shutter. then the status indicator light on the remote control until the end of the shutter signal (This feature can be used to the panorama view of the product).



1. The main function of the Automatic Panoramic Head is help camera to find a view and make it possible that cell phone can shooting off camera.
2. It can make the remote control shooting in the cell phone implementation by cell phone holder and use remote control shooting software of cell phone.
3. The Automatic Panorama Head take 1/4 above general screw, base with 3/8 of a universal interface.

Technical parameters

Model:AD-10

Desription: Automatic Panorama Head

Specification:Length 120mm*Width 130mm*Height 67mm

Load:3KG

Power:7.4v Rechargeable 1500 mAh Lithium battery

Work time:Continuously work for 500 circles(Speed level 1)

Applicable model:Various DSLR and single chip with shutter interface.

Power:<10w

Remote control: 25 meters

Weight: 0.4KG net weight (Including battery)

About 1.2KG contains the battery accessories and packing.

Horizontal rotating speed: 1,2,3 optional

Dealing with Problem :

If you have any frustration feeling like the head rotation is not smooth, Please check the following details:

- 1.Check whether the weight of the camera is more than 3 kg, do not recommend using the telephoto lens.
- 2.Check if the Automatic Panorama Head power adequate, if necessary pls charge it.
- 3.Check whether the battery of the remote control is enough, replace it if necessary.
- 4.Check the remote distance as well as if the remote control and Automatic Panorama Head in a suitable range or not. The safe distance both indoor and outdoor about 25 meters.

Note: Please do not rotating by hand, Please use the remote control to avoid damaging motor!

Please pay attention to the polarity when replace the battery, otherwise it will lead to boot!

Packing Accessories

Automatic Panorana Head * 1

Remote control * 1

Shutter cable (Standard cable) * 1

Instruction manual * 1

Warranty card * 1

Li-ion battery * 1

Other models accessories optional (Details see overleaf)

Mobile phone holder, Rotate wheel and Other Speed shutter cable all needs to buy extra .

Optional shutter cable:

7201 Connector applicable models:

Canon : 70D/60D/700D/650D/600D/550D/500D/450D/400D/350D/300D/1100D/100D/1000D/G10/G11/G12
PENTAX: IST-D/IST-DL/IST K100D/K100DL/MZ-6/ZX-L/MZ-L
K7D/K10D/K20D/K100D/K110D/K200D
Samsung: GX-1L/GX-1S
Contax: N645

7202 Connector applicable models:

Canon : 7D/6D/5D2/5D3/5D/50D/40D/30D/20D/10D/1D/1DX
1DsMark3/1DsMarkIV, D60/30, 1vEOS-1v, HS EOS-3

7203 Connector applicable models:

SONY: α 100/α 200/α 300/α 350/α 700/α 900
MINDLTA: Dymax 7D/5D, Dymax 9/7/5/3, Dymax 807Si/700Si
600Si/505Si

7204 Connector applicable models:

Nikon: D800/D700/D300/D300S/D200/D100/N90S/D1/D2/D3
D3S/D3X/D4/D200/D1H/D2/D2H/D2X/D2XS/D2HS/F5/F6
F90/F90X/F100

7205 Connector applicable models:

Nikon: D80/D70S/D5000

7206 Connector applicable models:

Nikon: D600/D610/D7100/D7000/D90/D520/D510/D5000/D3200
D3100

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.

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 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 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.

The distance between user and products should be no less than 20cm