

SLYPOD E

User Manual

Disclaimer and Warning

Thank you for purchasing the MOZA Slypod E!

- This document is related to the safety use and legal rights of your equipment. Please read it carefully before the first use.
- By using this product, you are deemed to have read, understood, endorsed and accepted all the terms and content of this statement. You are solely responsible for the use of this product and the consequences thereof. You undertake to use this product for legitimate purposes and agree to the terms and any relevant regulations, policies and guidelines formulated by Shenzhen Gudsen Technology Co., Ltd. (hereinafter referred to as Gudsen). Gudsen is not responsible for damage, injury or any legal problems caused by the direct or indirect use of this product. Users should follow all safety guidelines including but not limited to this document.
- MOZA Slypod E is professional videography equipment. Users need to have professional videography and safety knowledge, and need to be careful. Please read the user manual carefully before the first use.
- This product is not a toy and not suitable for use by minors. Do not allow children to operate this product.
- Do not use MOZA Slypod E with products or accessories that are not provided or recommended by Gudsen, and please strictly follow the safety guidelines in the product manual.
- The final interpretation of this document belongs to Shenzhen Gudsen Technology Co., Ltd. Updates are subject to change without notice. Please visit the official website www.gudsen.com for the latest product information.

Safety Guidelines

1. Safety Instructions for Charging

Do not use an unofficial charging cable for external DC power to prevent the gimbal from working properly and causing unnecessary damage.

- Do not put the equipment into the water or get it wet!
- Do not charge the equipment under fire or extremely hot conditions! Do not use or store the equipment near heat sources such as fire or heaters! If the battery leaks or gives off an odor, remove the equipment from the open fire immediately!
- Do not use the unqualified adapter to charge the equipment!
- Do not disassemble and install the equipment to prevent the gimbal from working properly!
- Do not use the equipment in extremely harsh environments to prevent the gimbal from working properly!

- Do not pierce the equipment with nails or other sharp objects. Do not hammer or pedal the equipment!
- Do not hit, throw or shake the equipment!
- Do not solder the equipment terminal directly!
- Do not disassemble the equipment in any way!
- Do not put the equipment into microwave or pressure vessel!
- Do not use if the battery emits odor, heat, deformation, discoloration, or any other abnormality; If the equipment is in use or charging, unplug the power adapter from the device and stop using it immediately!

Battery Charging

The Slypod E is equipped with a Type-C interface, supporting 5V2A low-speed charging. The fast charge protocol is not supported. Users can select the matched charger according to actual needs. Please use the TYPE-C interface to charge the battery and do not use external power sources such as wall outlet or car cigarette lighter to charge the battery.

Battery Charging Instructions

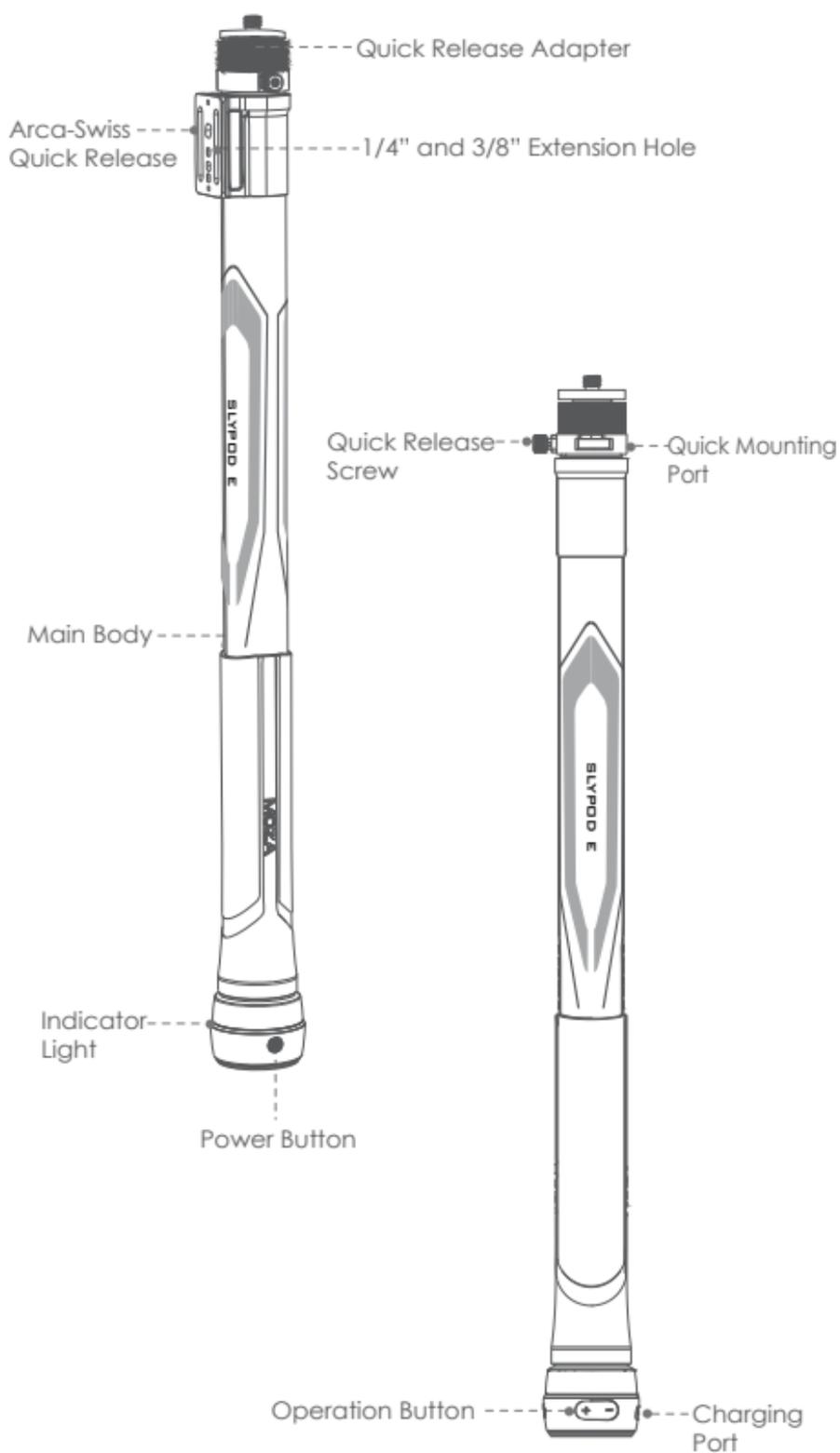
The MOZA Slypod E has a built-in lithium battery. Fully charge the battery before the first use to activate the battery. The solid red light indicates that the equipment is charging, and the solid blue light indicates that the charging is complete. With universal Type-C port, the MOZA Slypod E can be charged by phone charger or power bank. The charging stops automatically when the battery gets full.

1. Please use the original charging cable provided in the package! (5V 2A low-speed charging input is supported, the fast charge protocol is not supported)
2. Please do not overcharge or over-discharge the battery. Otherwise the battery will be damaged;
3. Recharge and discharge the battery every 3 months to keep it activated if it is left unused for a long time

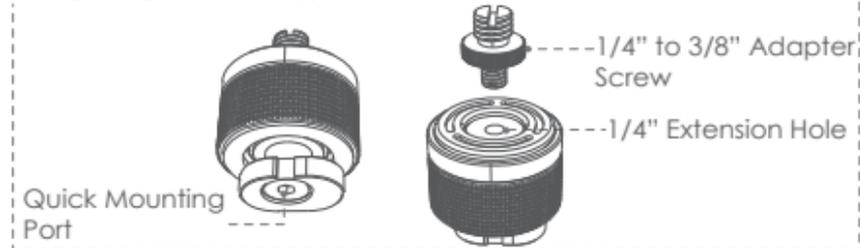
Battery Protection

The Slypod E has under-voltage, overcurrent protection function. Battery protection state will be triggered by abnormal conditions such as overuse or short circuit. When the battery enters the protection state, it stops output with a warning red color light.

MOZA Slypod E Overview

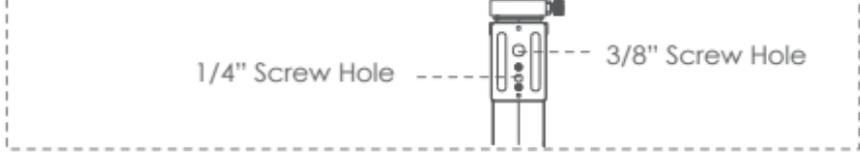


Adapter (accessory)



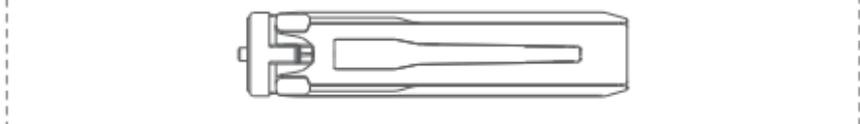
There is a 1/4" extension screw hole on the top of the adapter, and it comes with a 1/4" to 3/8" adapter screw to meet different shooting devices.

Arca-Swiss Quick Release



There is a 1/4" screw hole and a 3/8" screw hole on the body of Arca-Swiss quick release which can meet various extension needs. (When connecting the body with monopod or tripod via the Arca-Swiss quick release, the Slypod E can be used as a motorized slider)

Tripod



There is a 1/4" extension screw on top of the tripod, which can be used for support and extension, the tripod can be used as a handle when the legs are not open. (The main body must be connected to the stand adapter to connect the tripod)

Stand Adapter

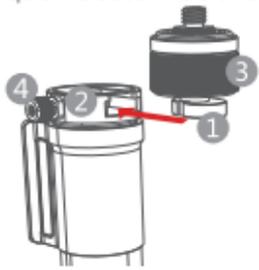


There are 1/4" extension screw holes on the stand adapter which enable the body to connect with tripod or other accessories to mount different shooting devices.

Mounting

Mounting the adapter

Push the quick mounting port ① from the bottom of the adapter into the groove at the top of the pole ② until fully fit. After connected, tighten the knob ③ clockwise to secure the adapter onto the pole; Turn counter-clockwise to loosen the knob ③, then turn the knob ④ counter-clockwise to detach the adapter from the pole. Reset the quick release knob after the adapter is detached.



Getting Started

Long press for 3 seconds: Power on/off

Button Operations

| | Power Button  | Device status | Extend+  | Retract-  |
|--------------|---------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Click once | Photo taking control via the shutter cable | Static | Start to extend | Start to retract |
| | — | Extend | Accelerate by one gear | Decelerate by one gear |
| | — | Retract | Decelerate by one gear | Accelerate by one gear |
| | Click all three buttons at the same time: reset (blinking white) | | | |
| Long press | Power on | Static | Start to extend and continue to accelerate | Retract and continue to accelerate |
| | — | Extend | Keep extending and continue to accelerate | Extending decelerates first, then start to retract |
| | — | Retract | Retracting accelerates first, then start to extend | Keep retracting and continue to accelerate |
| | — | — | Long press +/- buttons at the same time: automatic reciprocating mode (The blue light lasts for 1s indicate a mode switch.) | |
| Double click | Stop | — | — | — |
| Triple click | Reset + Turn Off (Blinking red) | — | — | — |

App Download

Scan the QR code below or search in the App Store to download the MOZA Master App.



IOS



Android

Device Connection (Wireless)

Download the "MOZA Master" App.

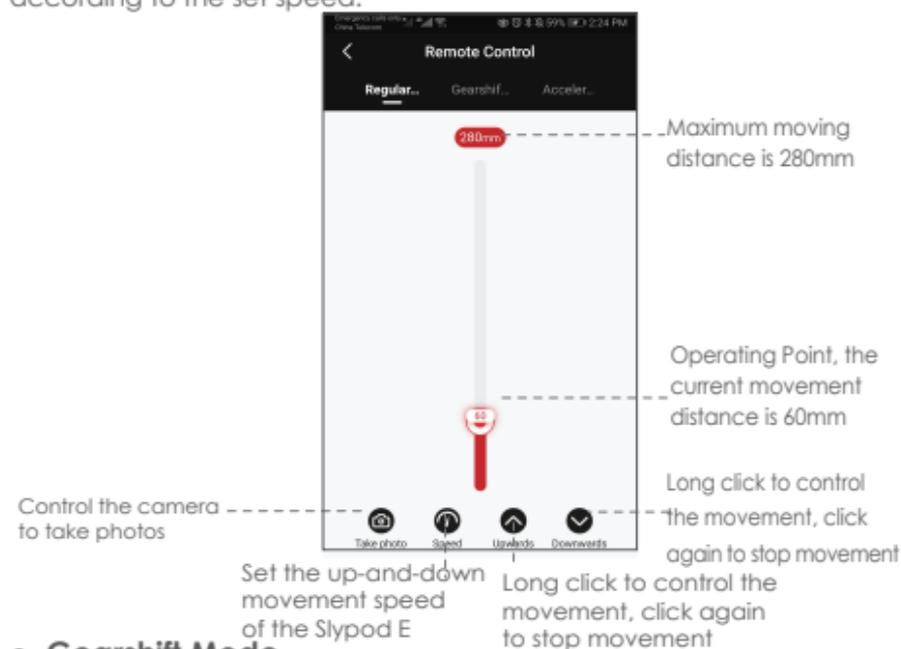
- Turn on the Slypod E and mobile phone Bluetooth.
- Launch the "MOZA Master", select the device to connect.
- Enter the operation interface after connection is completed.

App Operation

 It is required to activate the device according to the instructions before the first operation. Please refer to the latest App version. There is no further notice for App updates, please check on our official website and the App store. When the Slypod E is controlled by the App, other buttons will be disabled except for the power button.

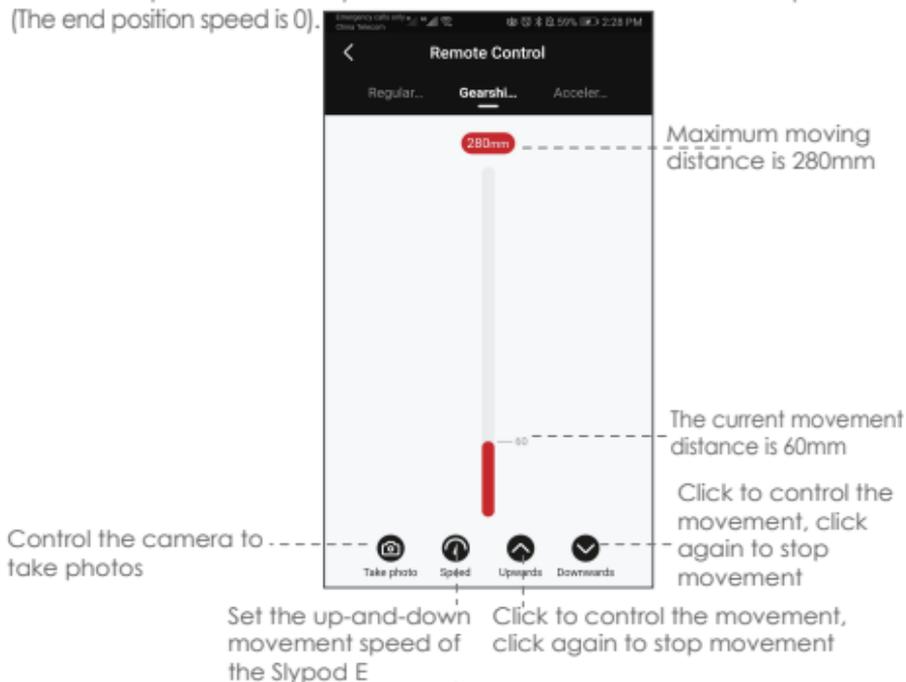
● Regular Mode

Slide the red operating point from the starting point to any position, the Slypod E will move accordingly. Release the operating point, the Slypod E will stop moving. Long click Downwards or Upwards icon, the Slypod E will automatically move up or down. Click Downwards or Upwards icon again to stop the movement. Click the 'Take photo' icon, and Slypod E will control the camera to take a photo. (Please make sure your Slypod E is connected with the camera control cable, the camera control cable needs to be purchased separately). Speed Setting: Click Speed icon to set the speed, and the Slypod E will move according to the set speed.



● Gearshift Mode

Click Upwards or Downwards icon to control the movement of Slypod E. Click again to stop the movement. Click Take photo icon to control the camera to take a photo. (Please make sure your Slypod E is connected with the camera control cable, the camera control cable needs to be purchased separately). Speed Setting: Click speed icon to set the speed, the Slypod E will move from the current speed to the set speed and then decelerates to the end position. (The end position speed is 0).



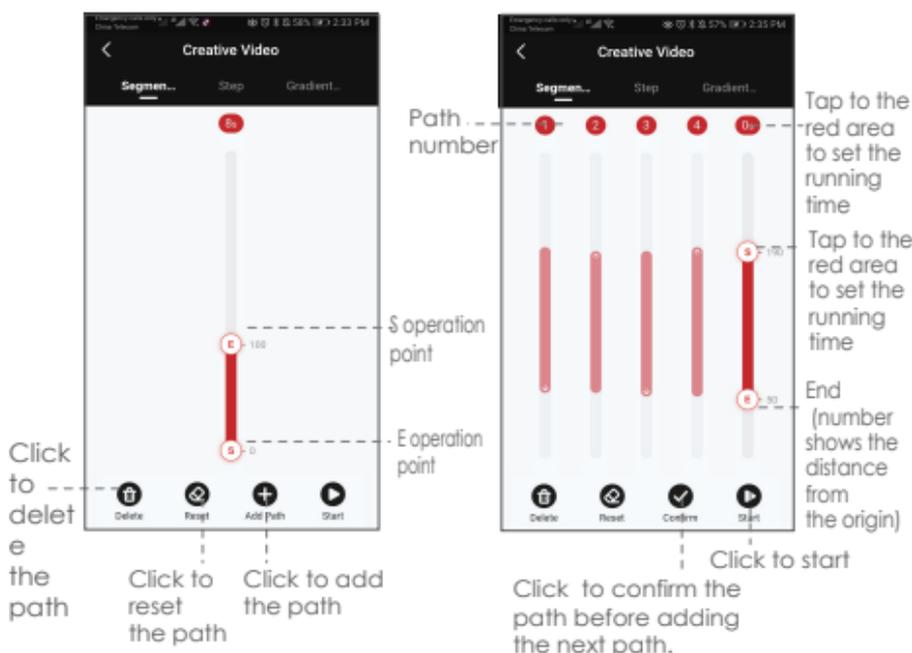
● Acceleration Mode

Click Upwards and the device will move up automatically; click again and the device stops moving. Click Downwards and the device will move down automatically; click again and the device stops moving. Click 'Take photo', the Slypod E controls the camera to take a photo. (Slypod E needs to be connected to the camera with the camera control cable, the camera control cable needs to be purchased separately) Speed setting: Drag the white mark to set the device acceleration speed, and the device will continue to accelerate to the end position according to the set speed (When the Slypod E extends to 280mm or retracts to 0mm, it will reach the setting speed)

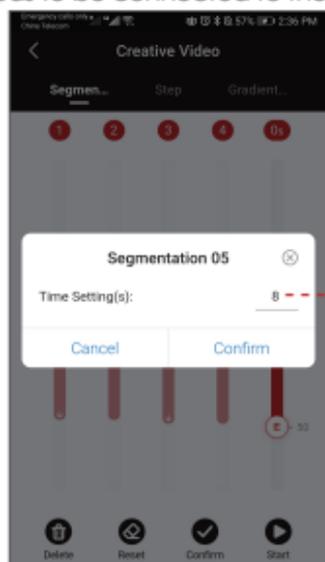


● Segmentation Mode

Select the segmentation mode, add a path (Click + to add the path. 5 paths is the most that can be added, click confirm before adding the next path). Slide the S operating point and the E operating point to any position to set the starting position and end position of the first path. Slide the E operating point to set the end position of the second, third, fourth or fifth path. Then, the starting point of the next path will be the end position of the previous one.



Click  to confirm the path and set the running time. The next path can be added after confirming the path. Click Confirm and the Slypod E will run according to the setting after the countdown is over. At this point, enter the Segmentation time-lapse interface, click on the red circular area, the Slypod E can control the camera to take pictures. (Slypod E needs to be connected to the camera with the camera control cable)



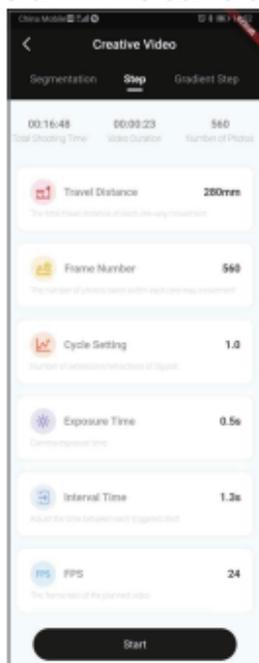
Set path running time



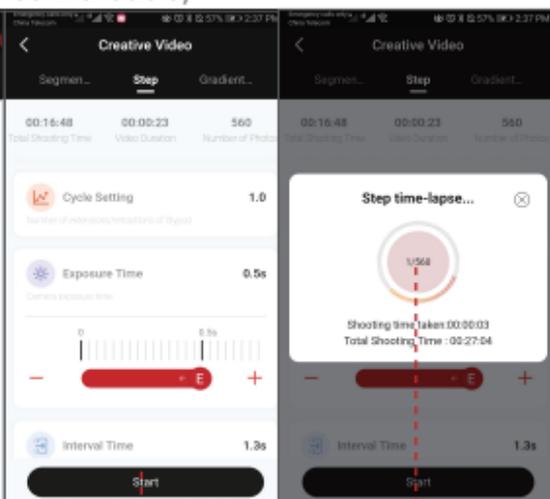
Click on the red circular area, the Slypod can control the camera to take pictures

• Step Time-Lapse

Select Step mode to set Travel Distance, Frame Number, Cycle Setting, Exposure Time, Interval Time and FPS. Click "+" "-" to adjust the parameter, click to start, the Slypod E will run according to the set parameters, the interface will display Shooting Time Taken, Total Shooting Time, Total number of photos. Enter the Step time-lapse interface, click on the red circular area, the Slypod E can control the camera to take pictures. (Slypod E needs to be connected to the camera with the camera control cable)



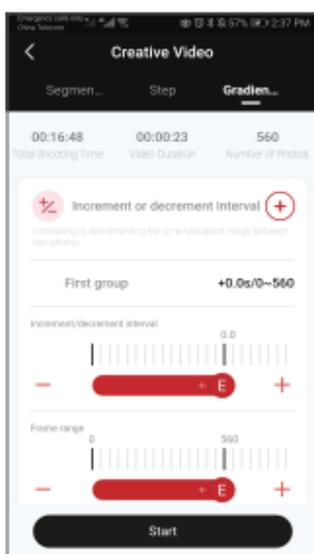
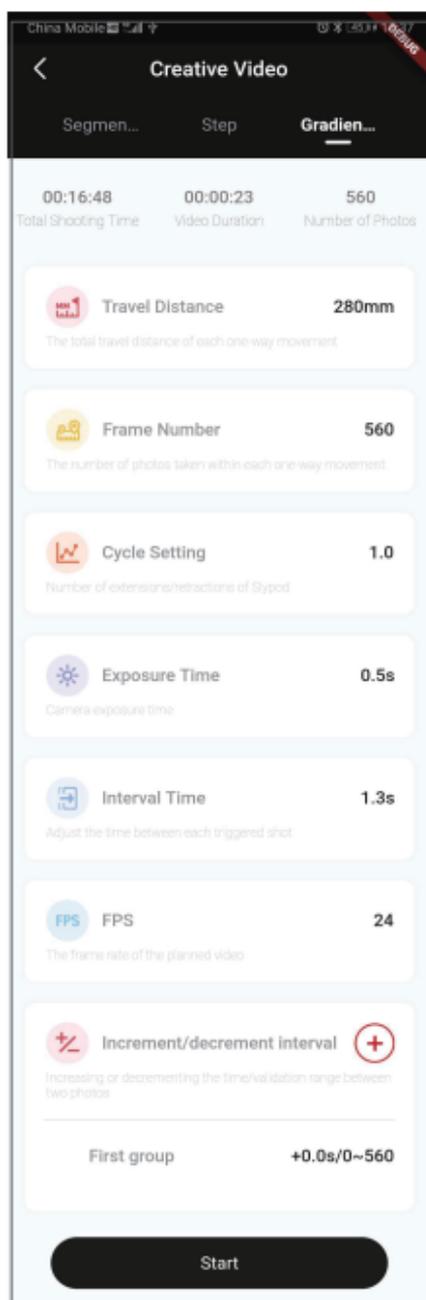
Click Start, the Slypod will run according to the setting

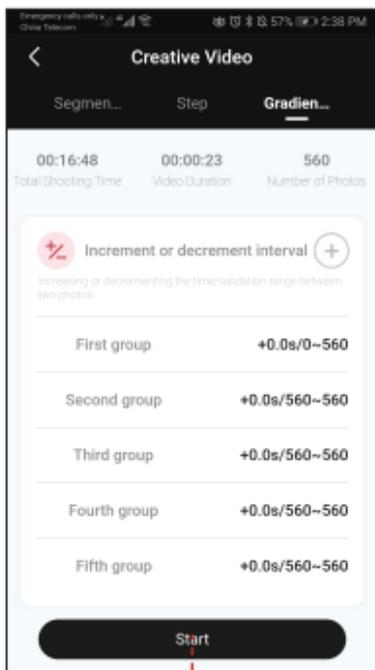


Click on the red circular area, the Slypod E can control the camera to take pictures

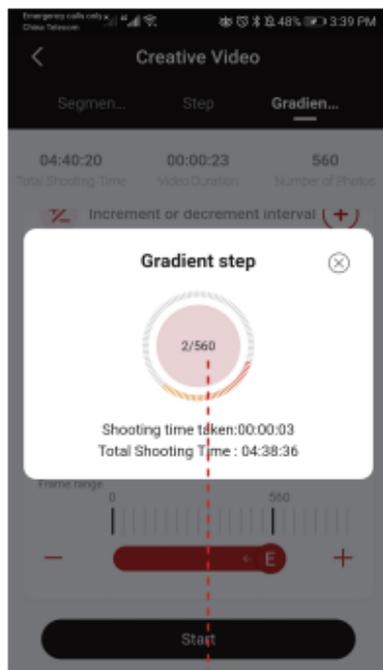
● Gradient Step Time-Lapse

Select the gradient Step Time-Lapse and set the travel distance, frame number, cycle setting, exposure time, interval time, FPS, increment and decrement of interval. For the first time, click **(+)** to add the first group of increment or decrement of time and frame number, and click again the **(+)** to add a second group(5 groups can be added at most). Click Start, the device will move according to the settled parameters. The interface will show the total shooting time, video duration, and the number of photos. During the shot, click the center red area, the Slypod E will control the camera to take photos.(Slypod E and camera need to be connected with camera shutter control cable)





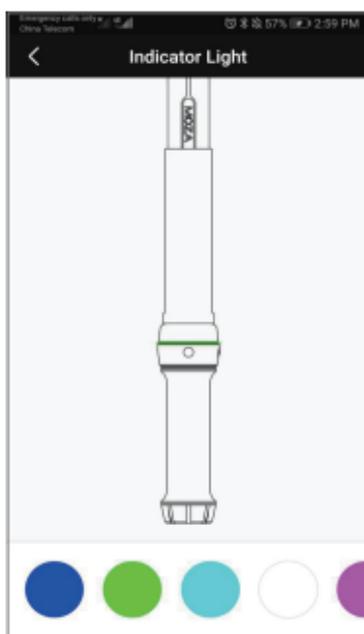
Click to start the Gradient Step Time-lapse



Click to control the camera

● Setting-Indicator Light

Enter the operation interface, select Setting-Indicator Light, up to 5 kinds of indicator light colors can be set based on personal preference.



Firmware Upgrade

Updating the firmware of Slyphod E should be done in the charging state. When in charging state, turn on the device, connect it to the App, enter the operation interface and start the firmware upgrade. The device must be restarted after the firmware upgrade succeeds. If the upgrade fails, the process needs to be repeated until the upgrade succeeds.

Color Definition

| | |
|--------------------------------|--------------------------------------------------------------------------------------------------|
| Charging | Solid red |
| Charging completed | Solid blue |
| Power on | Solid green |
| Under-voltage alarm | Solid orange |
| Low voltage alarm | Blinking red + automatic reset & shutdown (unable to power on when pressing the power button) |
| Start/stop running switch | Blinking green for 1s |
| Calibration status | Blinking white |
| Testing/operating modes switch | Blinking blue for 1s |

Charging

Uncover the rubber sleeve over the charging port, the Type-C interface is inside. The Slypod E can be charged by mobile phone charger, mobile power bank, etc. It will automatically stop charging when the battery is full, please disconnect the charger then (It is recommended to use the original charging cable provided in the package)

Calibration

Calibration is needed when there is abnormality with the device. There are two ways to calibrate the Slypod E: Click all three buttons (power, +, -) at the same time. Enter the operation interface to start calibration in the App.

Please subscribe Gudsen MOZA official YouTube channel for the latest tutorials.

Specifications

| Slypod E | |
|-------------------------|---------------------------------------|
| Size | Storage Length: 585mm (grip excluded) |
| | Expanded Length: 996mm |
| | Max Diameter: 54mm |
| Weight | Main Body: 918g |
| | Adapter: 73g |
| | Tripod: 195g |
| | Stand Adapter: 54g |
| Payload | Vertical: 9kg |
| | Horizontal: 4Kg |
| Operating speed | Highest: 28mm/s |
| | Lowest: 0.15mm/s |
| Operating Voltage | 8.5v-12.6v |
| Battery Life | 120min |
| Working Temperature | -10 °C - 50 °C |
| Communication Interface | Bluetooth |
| | 2.4G |
| | Type-C |
| Battery Model | Lithium-ion Battery |
| Battery Capacity | 600mAh |
| Battery Voltage | 11.1V |
| Charging Port | Type-C USB |
| Charging Voltage | 5V |
| Charging Time | 90min |

Contacts



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Tutorial



Firmware Upgrade
and Calibration
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