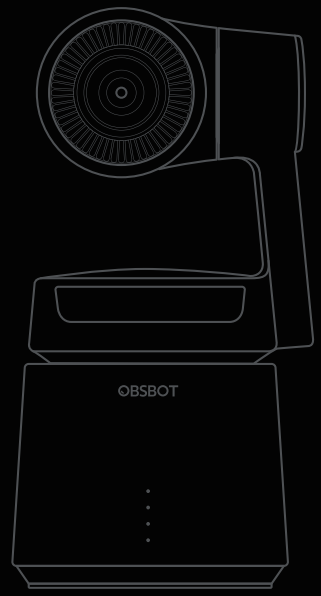
OBSBOT



OBSBOT Tail
User Manual

Content is subject to change without notice.
User can download latest Manual Book on www.remo-ai.com

Reading Guide

Note

Important consideration

Recommendation

REMO TECH provides a series of tutorial videos and the following documentation for our Tail users: Inventory,User Manual,Getting Started.

We recommend that users watch instructional videos and read Getting Started first to understand the usage process. Please download User Manual from our official website: www. remo-ai.com.

Tutorial Video

User could access and watch tutorial videos through the following links to use the product correctly and safely.http://www.remo-ai.com/...

Obsbot Studio App

User needs to download and install Obsbot Studio App to operate OBSBOT Tail.iOS users can download and install "Obsbot Studio" from App Store.Android users can download and install “Obsbot Studio”from Google Playstore.

Obsbot Studio

Obsbot Studio App - Compatibility: iOS 9.0 or later / Android 6.0 or later.

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1. OBSBOT Tail Overview

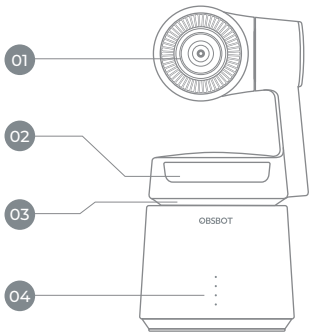
1.1 About Tail

Tail is the first in class artificial intelligence camera developed and designed by REMO TECH. Combining artificial intelligence, motion control and professional imaging technologies, Tail can independently take videos and photos, bringing powerful functions and new experience to filmmakers.

Tail is equipped with an AI core processor with powerful computing performance. By combining numerous AI algorithms, Tail adapts to various complex environments and completes a series of professional video and photography operations, such as intelligent tracking, single-target/multi-target intelligent composition, automatic zoom, intelligent lens motion, and intelligent photo capture. Tail is equipped with a high-precision three-axis gimbal, which can shoot lockfree 360 degree horizontally. Tail is equipped with a professional wide-angle zoom lens system, which is composed of 10 ultra-clear optical lenses, supporting 3.5x optical zoom and 10x hybrid zoom, which can steadily shoot 4K 60FPS UHD videos and 12 megapixel photos. Video supports 16:9 and 9:16, photos support 16:9, 4:3, 1:1 ratio of horizontal and vertical shooting modes, and can achieve creative time-lapse photography , slow motion and other video creative shooting functions.

Through built-in Wi-Fi connection with Obsbot Studio App, users can view real-time high-definition videos on their mobile devices. You can use the App to control the shooting as you like, and use the gestures to unlock more creative shooting methods easily. The professional post editing function of the App can make your work distinctive with only a few simple steps. At the same time, Tail also provides an Eco-system of accessories to meet the needs of different users in different scenes.

1.2 Parts Info

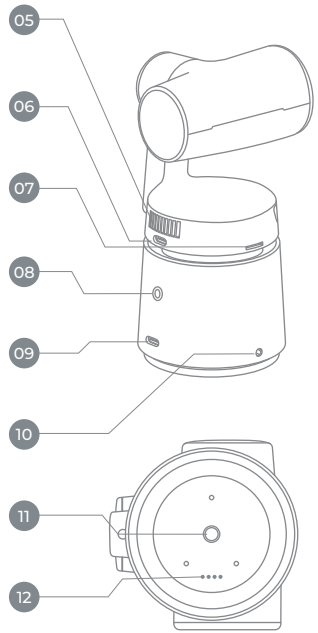


Lens

Camera Indicator

Cooling Intake

Battery Indicator



Cooling Outlet

Type-C Data Port

Micro SD Slot

Power/Status Button

Type-C Charging Port

Microphone Jack

UNC 1/4-20

Electrical Contact Interface

2. Smart Battery

2.1 Battery Overview

The smart battery independently developed by REMO TECH powers the Tail, with multiple protection and accurate intelligent power calculation functions. The battery capacity is 1,850 mAh and the battery operating time is up to 120.

2.2 Battery Specification

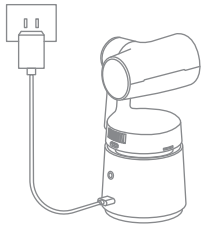
Model	OBS-LI-TWS-0001

Type	LiPo
Capacity	1850 mAh
Energy	20.54 Wh
Voltage	11.1 V
Charging Temperature	0°- 40°
Operating Temperature	0°-40°

2.3 Charging Instructions

Use the Type-C Charging cable to connect the camera to an adapter or power bank, and ensure a good connection. Refer to the Battery Indicator section for more information about charging statuses.

The camera will be fully charged after about 90 minutes (when using the included adapter) and the indicator will turn steady blue.



2.4 Battery Indicator

● Flashing blue ○ Steady blue ● OFF

Type	Capacity	LED 1	LED 2	LED 3	LED 4
Battery Detection Upon Pressing the Power Button	0% — 10%	○	●	●	●
	11% — 25%	●	●	●	●
	26% — 30%	●	○	●	●
	31% — 45%	●	●	●	●
	46% — 60%	●	●	○	●
	61% — 75%	●	●	●	●
	76% — 95%	●	●	●	○
	96% — 100%	●	●	●	●
Discharging	0% — 10%	○	●	●	●
	11% — 25%	●	●	●	●
	26% — 45%	●	●	●	●
	46% — 75%	●	●	●	●
	76% — 100%	●	●	●	●
Charging	0% — 25%	○	●	●	●
	26% — 45%	●	○	●	●
	46% — 75%	●	●	○	●
	76% — 95%	●	●	●	○
	96% — 100%	●	●	●	●

2.5 Check Battery

Before starting, press the power button to judge the current battery power status through the battery indicator light;

After connecting the App, you can check the percentage of remaining power through the App interface.

2.6 Battery Safety Instructions

Charge over-current protection:

When the gap in charge and discharge current is too large, the battery automatically cuts off the input or output;

Discharge under voltage protection:

Excessive discharge can seriously damage the battery, when the battery voltage is too low, the battery will cut off the output;

Overvoltage protection:

Overcharging can seriously damage the battery, when the battery charging voltage is too high, the battery will stop charging;

Short circuit protection function:

In the case of short circuit detected by the battery, the battery will cut off the output for safety;

Temperature protection function:

The smart battery will stop charging when it exceeds the charging temperature range; Ideal charging environment temperature is 0℃ to 40℃; When the discharge temperature is too high, the battery will cut off the output for safety of device;

Power calculation function:

The percentage of power can be seen through the battery indicator or Obsbot Studio App.

---

1. In order to protect the smart battery and prevent over discharge, the battery remains in a low-power state before leaving the factory. While using Tail for the first time, the Type C cable must be used for charging to activate the device.

2. If no QC quick charger is used to charge Tail, after Tail is turned off, it must wait for the Tail to be turned on normally before it is ready to be used.

3. The charger below 5V/2A cannot charge the equipment and may cause irreversible damage to the battery of the equipment.

4. Please read carefully and strictly follow the requirements in the user manual of OBSBOT Tail before using it.

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3. Gimbal & Camera

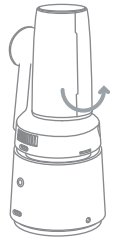
3.1 About Gimbal & Camera

OBSBOT Tail adopts a 3-axis gimbal with precise control technology on high-efficiency brushless motor and advanced algorithm to remove the jitter in movements. The lens protection is enhanced under the independent lens locking structure. The lens is locked when it is vertically down (as shown below). It can be unlocked by gently rotating towards the indicators.Regulations when trying to move the lens: (1). Please don't unlock it reversely. (2). Please don't shake the camera when the lens is unlocked. (3). When carrying the camera, please make sure that the lens is locked, and the product should be better packed inside the standard leather box for transporting.

1. The lens can be unlocked before or after the start-up. It is suggested that the lens should be unlocked before the start-up.

2. If the lens is locked when the camera is turned on, buzzer from the camera will send out a "beep-beep-beep-beep....." sound, the indicators will slowly blink giving red light. Meanwhile, modules except the lens will still work normally.

3. If the lens is unlocked after booting, it needs to be rotated slightly by hand. Lens will be working when the camera passes the internal checking.



3.2 Camera Indicators

The camera indicator has five statuses: Red indicates warning, yellow or green indicates setting with flashing for a long time , yellow or green flashing slowly indicates shooting , blue indicates device system initialization or performing gestures successfully, and alternating green and yellow indicates calibration or upgrade.

Flashing blue Steady blue OFF

Camera Indicator Status	Description
	All three bars continuously flashing red for eight seconds, indicates that the device temperature is too high, then the device will directly shut down.
	All 3 bars continuously flashing red every 2 seconds indicates a warning, such as TF card exception or lens still locked.
	3 bars on steady red indicates device fault, such as upgrade failed or gimbal fault.
	All 3 bars continuously flashing yellow every 2 seconds indicates shooting but target loss.
	All 3 bars on steady yellow indicates a notification, such as lens still locked indicates target loss and the camera is in setting status.
	The middle bar on steady green indicates target loss and there is no target.
	Steady green middle bar indicates there is no target and camera is in standby status or upgrade was succesful.
	All 3 bars continuously flashing red every 2 seconds indicates there is a target and the camera is in normal shooting status.
	The middle bar continuously flashing green every 2 seconds indicates there is no target and the camera is in normal shooting status.
	All 3 bars flashing green once indicates the camera is in shooting or recording video status.
	All 3 bars flashing green 3 times every 400ms indicates shooting under Burst mode.
	All 3 bars continuously flashing green every 1 second indicates count down has started.
	Blue flashes of 1, 2, and then 3 bars back to back indicates device system initialization.
	Blue flashes of 1, 2, and then 3 bars and then 1 blue flash of all 3 bars indicates successfully performed gesture.
	Continuous flashes of alternating green and yellow on all 3 bars indicates an upgrade or calibration is in progress.

3.3 Buzzer

Category	Directive content	Explain	Tweet mode
Error prompt	equipment error	Out-of-line or error occurred in pan/battery/AI/lens, etc.	D-DD·····
	SD card error	SD Card Not Inserted/Stored Full/SD Card Abnormal	
	Upgrade error	Pitch Ununlocked	

Warning hints	Lens not unlocked	Pitch Ununlocked	D·D·D···
	Low electricity is running out	Low power (< 10%)	
Notification prompt	Switchgear	Turn on or off	D·D
	Video start and stop	Video start or stop	D
	Photograph	Photographs (all modes are triggered manually once)	
	gesture	Successful gesture recognition	
	Delay 3s /1 0s	Delay 3s / 10s to start shooting	D···

4. Obsbot Studio App

4.1 About

The Obsbot Studio App works with OBSBOT Tail to achieve a real time HD preview, settings of camera and gimbal, AI shooting, Smart capture etc. on mobile devices.

4.2 Installation

iOS users can download the “Obsbot Studio App” from App Store.

Android users can download the ”Obsbot Studio App” from Google Playstore or www.remo-ai.com .

iOS / Android
Download Obsbot studio App

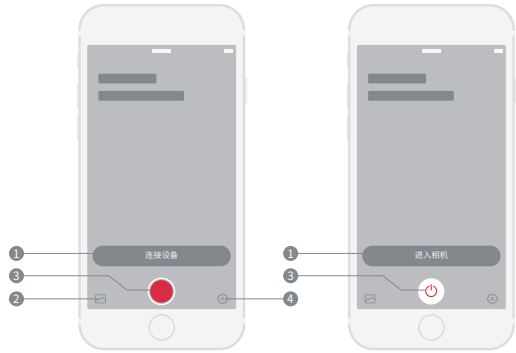
4.3 App Homepage

1. Connection / Disconnection: Connect the Tail using WiFi, enter the main interface after WiFi is successfully connected. Disconnect the device by clicking the button after exiting the real-time preview interface.

2. App Album: By entering into the App Album, user can download photos / videos to mobile phone. In addition, post-editing media can be shared by one-tap operation.

3. App Settings: Personal account log-on, personal information input and modification, master list and basic parameters setting, factory setting restore and feedback, etc.

4. Remote Shutdown: Connect to the device, click the icon in the main page, click the shutdown key after the animation is finished, and select "Shut down" to shut down remotely.



4.4 App & Camera

1. Camera album: In the camera album, you can download the original film, video and picture playback.

2. Shooting mode: Choose shooting mode by sliding or clicking: photo shooting, video recording;

Photo shooting: Supports single, multiple, continuous photo shooting; supports intelligent shooting, portrait and landscape mode;

Video: Supports Normal video, slow motion, intelligent shooting mode.

3. Target selection: Single person or multiple people can be selected as the shooting target; the "auto" mode regards the closest person as the target; in the "multi-person" mode, target tracking starts when the people are in the frame; a long-time touch on the icon makes the mode switch to “Pet-tracking”, a mode targeting cats and dogs;

4. Shutter/shoot button: Tap to take photo or start the video recording. Click again to stop the video recording;

5. LaunchPad: Triggers a variety of special and interesting special effects by convenient and fast one-key operation; variety of complex special effects combined through gestures, making the shooting more creative;

6. Intelligent Settings: Intelligent capture, intelligent zoom, tracking speed, cloud platform and other settings;

7. Advanced settings: Set camera parameters such as recording slow motion video, white balance, exposure mode, sharpness, anti-flicker, AE Lock, grid, etc.

8. Filters: Switch a variety of filters to facilitate later film formation;

9. More: Set shooting angle, picture proportion (only for taking photos), beauty, delay, mirror, more settings and other functions;

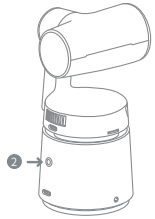
10. Return: Return to Obsbot Studio App home page.



5. Use Tail

5.1 Turn on/off Tail

First, slightly rotate the lens to unlock it; press and hold the power button for 2 seconds to turn it on or off.

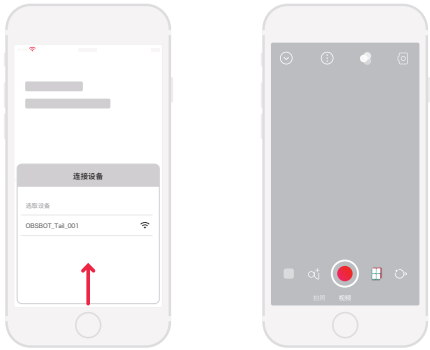


5.2 Connect App

1. Turn on and wait for Tail to self-test; the status light will be green after the self-test is completed.

2. Turn on Wi-Fi for mobile device, run Obsbot Studio App, select the device Obsbot-XXX network, and enter the default password "12345678" to connect.

3. After the mobile device is successfully connected, return to the main interface, as shown below.



5.3 Power Gesture

OBSBOT Tail has first of its kind implementation of power gesture in AI video shooting, empowering users to access a series of functions such as start recording, tracking, zoom and creative camera movements with natural simple gestures. Go to settings tab to enable or disable the gestures function.
OBSBOT Tail can recognize gestures made near your face around 2 seconds and then camera indicator light will turn blue, indicates successfully performed gesture.

Gestures for user-defined functions

— Start/Stop:

— Select Target/Cancel Target:

— Lens Lock (default):

— Zoom Control (default):

— Crazy Time (default):

5.4 Target Selection

OBSBOT Tail offer two ways to lock target:

Power gesture: After tail is activated, you can quickly select/cancel a subject by gesture.

Tap Lock: In “Obsbot Studio”App interface， double-click the shooting target to enter the locked tracking state, and double-clicking again will cancel the selected state. Double-click to select another target and switch to shoot the selected target.

Quick: Click the “Quick” button, the camera will automatically lock the last one person to shoot the target and exit the selection state.

Multiple: Click the “Multiple” button to enter the multi-person shooting state and exit the selection state.

Other: Click the “Select” button to enter the selection state; if you do not need the above two buttons, you can long press “Select” button and move it to find shooting target, and then click to select the target. You can select 1 person as the shooting target. After selecting the target, click the “Select” button to complete the selection status.

After choosing the target, OBSBOT Tail will start to track and follow the target.

5.5 Shooting Mode

OBSBOT Tail provides a variety of shooting modes： photo mode, video mode, slow motion and so on. The mode can be selected by simply clicking the corresponding button on the App.

Video Mode: The default interface when entering into the app is video shooting mode.

Launch Pad: Simply click the launch pad and use the features.

More: Choose landscape/portrait mode, beauty,filter, mirror mode and other settings.

Smart Shoot Setting: In the shooting interface, click the button and explore the smart shooting setting menu.

a. Smart Capture: Turn on or turn off the smart capture. When turned on, AI algorithms can automatically capture the highlights according to the trigger conditions during shooting. The default trigger condition is: expression capture and action capture.

b. Tracking Speed: There are different speed for users to choose according to different scenario like lazy, slow, normal, fast and crazy.

a. Gimbal Reset: Simply click the gimbal reset and the gimbal will go back to the default position.

b. Pan axis lock: Choose whether to follow the target in horizontal direction by turning on or turning off the yaw axis lock

c. Tilt axis lock: Choose whether to follow the target in vertical direction by turning on or turning off the pitch axis lock.

d. Gimbal Rage: There are 4 range to choose from which is 72°, 144°, 216° and 288°. If there is no chosen range, the default gimbal range is unrestricted 360° .

e. Composition line: The target's shooting position can be set when shooting one target. By dragging the target in the nine patch grid, the target's position can also be adjusted.

Advance Setting

a. Slow motion video: The default setting is closed. Start to record slow motion video by turning the button on. The default setting for slow motion video here is 1080p at 120fps.

b. White balance: Different balance mode can be chosen like auto, cloudy, fluorescent, sunny, filament lamp.

c. Exposure mode: P,S, and M numbers can be changed to set different ISO, Shutter and EV according to users' needs.

d. Smart exposure: Automatically adjust the exposure effect according to the shooting target and shooting environment.

e. Sharpness: Different sharpness mode like weak, soft, normal, clear and sharp can be chosen according to users' need.

f. Anti-Flicker: Users can choose to turn on/off the fuction, and choose 50HZ/60HZ according to their own needs.

g. Auxiliary Setting: AE lock and network can be chosen here.

Photo Mode

Photo Setting: In photo shooting interface, start taking photo and choose between single picture, multiple pictures and continuous pictures..

More: Choose landscape/landscape mode, frame ,beauty, delay and other setting.

Advance setting: Set white exposure, exposure mode, sharpness, and auxiliary setting (same as video mode)

Crazy Mode suits for target that moves fast like tracking pet, target with skateboarding, or riding bicycle.

5.6 LaunchPad

The LaunchPad, which integrates artificial intelligence and traditional cinematography, creates a stable, fluid, and easy-to-use shooting concept. With ingenious visual sense and just a few clicks, user can record video with a variety of special and interesting effects, convenient and fast.

LaunchPad can only be used in humans tracking mode and cannot be used in pet tracking mode. It consists of two parts: "Touch and Go" Pad and "Picture Controller" Pad. There are 24 sub-functions in total.

"Touch and Go" Pad 12 sub-functions:

	7 Auto Zoom: Always keeps the target's 70% body in the frame when target is locked within the zoom range. If no target, the function is invalid.
	10 Auto Zoom: Always keeps the target's whole body in the frame when target is locked within the zoom range. If no target, the function is invalid.
	12 Auto Zoom: Always keeps the target's whole body and frame with 10/12 proportion, when target is locked within the zoom range.
	Zoom: Lens keeps zooming in and out.
	Roll: Lens keeps rolling clockwise and anticlockwise with reference to the settled parameters.
	Zoom+Roll: Zooming and rolling at the same time, with reference to the settled parameters.
	Lazy Mode: Adjust to the Lazy tracking speed mode.
	Crazy Mode: Adjust to the Crazy tracking speed mode.
	Upper Body: Zoom to focus and shoot upper body when the target is locked. If no target, the function is invalid.
	Lower Body: Zoom to focus and shoot lower body when the target is locked. If no target, the function is invalid.
	Scan Upward: Focus on lower body first and shoot upwards, when the target is locked. If no target, the function is invalid.
	Scan Downward: Focus on upper body first and shoot downwards, when the target is locked. If no target, the function is invalid.

Note: All of the above functions have four states: Preparation, Execution, Ending and Closing. These 7 functions of "Zoom", "Roll", "Zoom+Roll", "Upper Body", "Lower Body", "Scan Upward", "Scan Downward" will be under preparation state when the previous functions are not completely close.

“Picture Controller” Pad 12 sub-functions:

	Upper Left: According to setting, Pan and Tilt axis gimbals move upper left at a constant speed. When the Tilt axis gimbal reaches the limit or you click the option again, the movement will stop automatically.
	Upward: According to setting, Tilt axis gimbal moves upward at a constant speed. When the Tilt axis gimbal reaches the limit or you click the option again, the movement will stop automatically.
	Upper Right: According to setting, Pan and Tilt axis gimbals move upper right at a constant speed. When the Tilt axis gimbal reaches the limit or you click the option again, the movement will stop automatically.
	To Left: According to setting, Pan axis gimbal moves left at a constant speed. Click the option again and the movement will stop automatically.
	To Back: Pan, Tilt and Roll axis gimbals back to the initial place.
	To Right: According to setting, Pan axis gimbal moves right at a constant speed. Click the option again and the movement will stop automatically.
	Left Back: According to setting, lens roll anticlockwise quickly, when the Roll axis gimbal reaches the limit or you click the option again, the movement will stop automatically.
	To Down: According to setting, Tilt axis gimbal moves upward at a constant speed. When the Tilt axis gimbal reaches the limit or you click the option again, the movement will stop automatically.
	Right Back: According to setting, lens roll clockwise quickly, when the Roll axis gimbal reaches the limit or you click the option again, the movement will stop automatically.
	Zoom in: According to setting, zoom in happens at a constant speed, when the lens reaches the limit or you click the option again, the movement will stop automatically.
	Zoom out: According to setting, zoom out happens at a constant speed, when the lens reaches the limit or you click the option again, the movement will stop automatically.
	Back: Back to initial focus status.

1. Need to enable gimbals after using 1-9 options.
2. Need to enable AF after using 10-12 options.
3. Gimble Lock: AI tracking function is off.

5.7 Manual Control

— Click the zoom icon, curved slider the dial for zoom operation.

— Press the screen until the red circle appears, then move the red circle to change the position of lens.

— Double click a person to select shooting target and double click again to cancel selection.

— Click to operate AFS focus.

5.8 Post-editing

Video editing

— Video cropping

— To add video clips

— To add transitions

6. Firmware upgrade

6.1 Firmware Upgrade Overview

1. During the upgrade, yellow light and green light will be cross flashing continuously and slowly.

2. When the light turns green, it means that the upgrade is completed.

3. If you fail to upgrade, the light turns red and the camera will make a beep sound (no matter if the old version can still be used or not).

4. If you fail to upgrade and the old firmware version can be used, restart the camera, the indicator light and the hint tone will turn into normal.

5. When the upgrade completes, the App will show the upgrade result.

6. If you restart the camera and connect the App again, the App would not show the upgrade result.

6.2 Using Obsbot Studio App to Upgrade

Connect Tail and Obsbot Studio App, if the App shows new firmware upgrade, please click to upgrade. According to the App, you can connect your mobile devices with Internet to download upgrade package. We recommend using Wi-Fi network to download. When you complete downloading the upgrade package, please reconnect Tail to upgrade. During the upgrade, device would restart. After completing upgrade, it will show the upgrade result.

Please make sure that Micro SD card is inserted during upgrade. Micro SD card should have more than 1GB of usable capacity and the device battery needs to be more than 50%.

6.3 Using SD Card to Upgrade

Please download latest upgrade package on Obsbot's official website and make sure SD card has more than 1GB of usable capacity. Unzip the upgrade package and copy the .bin file to the SD card root directory. Insert the SD card into Tail. Once Tail reads the SD card, .bin file would restart and upgrade. After completing upgrade, you can check the upgrade result through the txt file in SD card root directory.

7. Appendix

7.1 Maintenance and Care

Please lock the lens of OBSBOT Tail when you transport or carry it to protect lens well.

Please avoid sand, dust and water to avoid physical or internal damage.. Please use dry and soft wipes to clean the Tail. Do not use any cleaning liquid chemical on Tail.

7.2 Application Scope Instruction

Possibilities of unavailable tracking

1. In super dim light, Tail may lose the target to track.

2. When the target is very far away from Tail and the target is very similar to the crowding environment, it could be hard for Tail to recognize the targets so the tracking might be unavailable.

3. If the targets have been covered and don't come back in frame for too long time, Tail may not be able to track.

4. If the targets are twins, Tail may be confused to track.

5. In Pet Mode, Tail may not be tracking when the pet is jumping suddenly to the total different direction.

6. When the targets uses mask to cover face, it's possible for Tail to lose the target.

7. When the targets are too close to Tail and move very fast, Tail may not be able to track.

8. When other undesired people are very close to Tail and pass in front of the targets, it's possible for Tail to lose the target to track.

9. It's possible for Tail to lose the target when the targets are in too complicated environments for example walking in the crowd.

Possibilities of unavailable hand gesture control

1. The target is too far away from Tail when showing the hand gesture, it's hard for Tail to identify hand gestures.

2. If the target people do not show hand gestures next to head, it's hard for Tail to identify hand gestures.

3. If the target people do not show hand gestures towards Tail, it's hard for Tail to identify hand gestures.

4. In the super dim light, it's hard for Tail to identify hand gestures.

5. If the target is wearing the mask when showing hand gestures, it's hard for Tail to identify hand gestures.

6. When the targets are very close to other people, Tail may identify the targets wrongly so that Tail may initiate the functions to another people rather than the target people.

7. If the target people show the hand gesture in front of the face and cover the face, the Power Gesture function can not be initiated.

7.3 Specification

General	
Size	Operating Mode：167.2*86.7*85.5mm Shutdown: 185.7*86.7*85.5mm
Weight (Battery included)	610g
Power Consumption	10W
Gimbal	
Angular Vibration Range	±0.05°
Assembling method	Non detachable
Controllable Range	Pan: 360° Unlcok Tilt: -55°to+42°; Roll: -45°to+135°
Designed Range	Pan: 360° Unlcok Tilt: -90° to +90°; Roll: -135° to +135°
Max Controllable Speed	180°/s
Camera	
Camera model	F126S
Sensor	1/2.3'' CMOS SENSOR;Effective pixels:12,400,000
Lens	3.5x Optical Zoom,10x Hybrid Zoom,Equivalent Focal Length: 21-74mm,Focal Length: 3.85-13.4mm, F2.4 (wide angle) - F5.0 (long focus) FOV 92°(wide angle) -32° (long focus)
ISO Range	Video: 100-6400;Photo: 100-6400
Electronic Shutter Speed	1/8000-1/30（Support long exposure soon）
Max Image Size	4000x3000
Still Photography Modes	Single Shot / Burst: 3，5，7 Continuous shooting / Smart Capture

Video Resolution	4K：60/50/48/30/25/24 fps 2.7K：60/50/48/30/25/24fps 1080p：60/50/48/30/25/24 fps
Slow Motion	1080p：240/120fps 720p：240/120fps
Video Recording Mode	Normal video, Slow motion
Max storage bit rate	80Mbps
Supported File Formats	FAT32
Photo Formats	JPEG，DNG(RAW)
Video Formats	MP4
Supported SD Cards	Above and included Micro SD cards, Class 10/ Achieve UHS-1 ， Max support 256GB(only fat32) SanDisk Extreme PRO 128/64GB UHS-3 microSDXC SanDisk Extreme PRO 32GB UHS-3 microSDHC SanDisk Extreme 128/64GB UHS-3 microSDXC SanDisk Extreme 32GB UHS-3 microSDHC SanDisk Ultra 128/64GB UHS-1 microSDXC SanDisk Ultra 32/16GB UHS-1 microSDHC Samsung EVO Plus 128/64GB UHS-3 microSDXC Samsung EVO Plus 32GB UHS-1 microSDHC Samsung PRO Plus 128/64GB UHS-3 microSDXC Samsung EVO 128/64GB UHS-3 microSDXC Samsung EVO 32GB UHS-1 microSDHC And other mainstream Micro SD cards with minimum write speed 15MB/s
Operating Temperature	0°-40°
Audio Input	AAC，48kHz
Wi-Fi	
Operating frequency	2.4G / 5.8GHZ
Signal transmission range	2.4G：80m 5.8G：140m
Transmission power	2.4G：14dBm 5.8G：13dBm
Battery	
Battery Mode	OBS-LI-TWS-0001
Battery Type	LiPo
Battery Capacity	1850mAh
Battery Energy	20.54Wh
Battery Voltage	11.1V
Environment Temperature for Charging	0°-40°
Environment Temperature for Using	0°-40°
Battery Life	120Min
Charger	
Charger Model	A138A
Input	100-240V；50/60Hz
Output	12V/1.5A 9V/2A 5V/3A
Supported Live streaming platforms	
China	斗鱼、战旗、龙珠、映客、淘宝 、抖音、虎牙、哔哩哔哩、企鹅体育
Other Countries	Youtube / Twitch / Liveme;

7.4 Common Problems and Solutions

1. Unable to connect with OBSBOT Tail?

— Check your mobile device to see if Wi-Fi has been turned on.

— If the Wi-Fi name of OBSBOT Tail is not showing up in the Wi-Fi list of the mobile device, please check whether the mobile device can connect Wi-Fi with two frequencies of 2.4Ghz and 5.8Ghz (only for mobile phones that support manual Wi-Fi band setting). If so, please change the Settings and try to reconnect the OBSBOT Tail. If the Wi-Fi name does not appear, please restart the OBSBOT Tail.

— If still unable to connect, please restore factory setting in the App.

— If it doesn't work with these methods. Please contact customer service through service@remo-ai.com

2. Can I still shoot video after turning application off and disconnecting the device from Tail?

— Yes, OBSBOT Tail will keep shooting after turning off the application. You can use hand gestures to control the Tail.

3. What should I do after upgrade failed?

— Download the firmware package and try to upgrade again.

7.5 Disclaimer and Warning

Before starting to film, please give full respect to other people's privacy. Especially for:

— Licensing

— Privacy

— Legality of when, where and under what circumstances to use OBSBOT Tail.

Users should pay close attention to the change of law application. REMO TECH CO., LTD. is not liable for any violation of local laws. User is responsible for themselves if they breach any of above rules.

Any use of this product for any violation of laws and regulations, or use beyond the laws and regulations or misconduct is prohibited. The use of this product to violate other's personal property/privacy is unacceptable.

7.6 Three Guarantees

- **Warranty regulations**

The after-sales service of the OBSBOT Tail is strictly based on the Law of the People's Republic of China on Consumer Rights and Interests and the Product Quality Law of the People's Republic of China. The content is as follows:

Within 7 days from the date of delivery, you can request the service of return or replace goods after it's tested and performance failure is confirmed by REMO TECH CO., LTD. after-sales service center.

Within 15 days from the date of delivery, you can request the service of free repair or replace goods after it's tested and performance failure is confirmed by REMO TECH CO., LTD. after-sales service center.

Within 12 months from the date of delivery, you can request the free repair of goods after it's tested and performance failure is confirmed by REMO TECH CO., LTD. after-sales service center.

- **Beyond warranty regulations**

Under the following circumstances (but not limited to the following) is not covered by the "Three Guarantees" service:

Unauthorized repair, misuse, impact, carelessness, abuse, liquid damage, accident, modification, incorrect use of unofficial adaptor, or tear up/alter the anti - counterfeiting labels.

Beyond "Three Guarantees" validity period.

Inevitable damage caused by fire, flood, thunder and other force majeure.