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OBSBOT | TURTLE
USER MANUAL

Reading Guide

Note

⚠ Important consideration

Recommendations

Reading User Manual first to understand the use process.
We recommend users go to YouTube to view OBSBOT Turtle introduction videos.

Obsbot Studio App

Download & Installation:
iOS users can download and install "Obsbot Studio" on App Store.
Android users can download and install "Obsbot Studio" on Google Play.

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

OBSBOT Tail Purchase link

OBSBOT Turtle needs to be used with OBSBOT Tail. Users can go to Amazon to purchase through the following link or scan the QR code one the right.

https://www.amazon.com/dp/B07RY5KDX2?ref=myi_title_dp
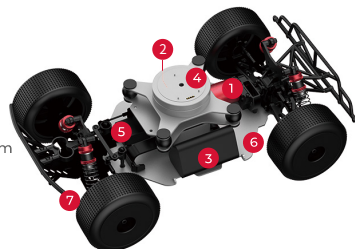
OBSBOT Turtle

About OBSBOT Turtle

It is an extremely precise, flexible and unique land shooting dolly.

It is able to track different movements by following, shifting, spiral advancing, turning in small radius and avoiding the front obstacles etc. It can reach up to 4m/s speed within only 0.5 seconds to ensure fast follow-up shooting when you require this "Turtle" performs like a "Rabbit". It can simulate four kinds of professional tracking movements to shoot the breathtaking low-angle films. It's the best partner of OBSBOT Tail. Shooting out while roaming around without cameraman was never this easy.

Look difference, meet the OBSBOT Turtle.

Components

1. Motor
2. Switch
3. Removable Battery
4. Quick Release System
5. Steering Gear
6. Frame
7. Tires and Bumpers

Obsbot Studio App

About

OBSBOT Turtle is used with OBSBOT Tail and Obsbot Studio App, enabling remote control.

Installation

iOS, Android can scan this QR code to download

How to manipulate Turtle
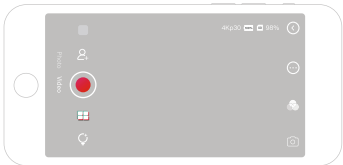
1. Switching machine

Turn on the device.

2. Set up OBSBOT Tail

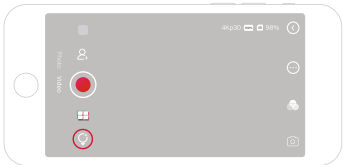Please refer to the OBSBOT Turtle 《Quick Release Plate User Guide》

3. App connection

a. Turn on OBSBOT Tail

b. Turn on the mobile device Wi-Fi connection OBSBOT Tail

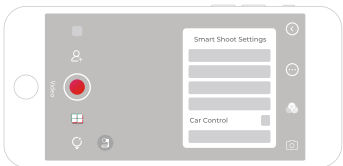c. Successfully connected, the Obsbot Studio App as shown below

4. Enter the remote control interface

a. Go to "Smart Shoot Settings"

a. Select "Car Control" to enter the control interface

5. The connection is completed.

Function Description

Track shooting types

· Straight Track
Keep locking the shooting target and moving forward or backward while shooting, to highlight the shooting target's moves.

· S-shaped Track
Follow the moving target and keep the horizontal lens movements while moving.

· Circular Track
Keep locking the shooting target and take an orbiting track shot in a preset radius near the target.

· Orbiting Track
Take an orbiting shot with the target in center. When the target moves, it moves synchronously and adjusts the orbiting track in real time. This camera movement offers a really strong visual impact.

Remote control mode

· In this mode, the OBSBOT turtle will be completely remote by the user.

Tips

· "Surround Radius"slider adjusts the radius of OBSBOT Turtle as it moves around the selected object, slides up to increase the radius of the circle, and decreases downwards;

· "Speed" slider or click "+/-" button to adjust the travel speed of OBSBOT Turtle. The darker the slider color, the faster the speed;

· The "Brake" button can stop the OBSBOT Turtle movement immediately, and click again to start again;

· After clicking the "Up/Down" button, the OBSBOT Turtle will always maintain the forward/backward state and click Cancel again;

· The "Left/Right" button can control the steering angle of the OBSOBT Turtle. The larger the left/right sliding range, the larger the turning angle of the OBSBOT turtle;

· "Follow Distance" slider adjusts the distance between the selected OBSBOT Turtle and OBSBOT Turtle when it starts, and slides up to increase the following distance and decreases downwards;

Function Description

Precautions

Battery Life

The user should pay attention to the power during the use. If the power is lower than 20%, it will affect the use of the whole vehicle and need to be charged immediately;

Avoidance

Turtle can be identified for some large obstacles. The default obstacle avoidance mode is to stop after a stop, if there is no artificial guidance and manual control, it will be repeated in this case, for some absorption sound waves. The obstacles made of the material are not recognized, and the situation of obliquely entering the mirror obstacle is not recognized, and some small bumps on the ground cannot be recognized; In addition, in the case of high speed, the obstacle avoidance function will be invalid, please try to make the car operate under safe conditions;

Quick release system

Due to the multi-party communication involved, the connection of the quick-release parts must be firm and reliable, and attention should be paid to the connection points;

Waterproofing Water resistance

OBSBOT Turtle is not waterproof, please do not use in areas with stagnant water or snow and rain

Tracking speed performance

Since Turtle speed is fast, before switching to the automatic mode, the user should set the device pan/tilt tracking speed to the high-speed mode. When tracking pets and children, the following distance will be significantly shortened, pay attention to the speed is not too high, you can pass the APP Fine-tuning to make shooting safer and more reliable;

Environment

The mechanical shock absorption structure can only eliminate part of the ground jitter. It is recommended that the user use it in a relatively smooth scene. Because the whole vehicle plus the camera has a large weight, the drive system is driven by two drives, avoiding the situation where the external resistance is large. (for example, a deeper grassland), otherwise it may appear to be unable to move;

Function Description

Motor

The motor is equipped with stall protection. When the motor is hit by the impact, the motor will automatically shut down after 5s of blockage. The user needs to manually switch Turtle to use it again. Long-term high-speed operation may cause serious motor heating. Similar protection phenomena will occur, please be aware;

Turning radius Flexibility

For safety reasons, the steering range is limited. Try not to run at high speed in a dangerous road or even make a sharp turn. The turning radius of Turtle will always be greater than the turning radius of the follower.

Performance parameter

Turning radius at maximum turning angle at high speed: 1.5m
Turning radius at maximum turning angle at medium speed: 1m
Turning radius at maximum turning angle at low speed: 0.5m

High-speed brake distance: 1m from the triggering brake action to the vehicle stop Medium speed lower brake distance: the distance from the triggering brake action to the vehicle stop is 0.5m

Braking distance at low speed: it can be stopped immediately at low speed The maximum transverse width in the S-type follow mode is: about 3m(1.5m on each side);
Safety distance in follow mode: currently set to about 2.5m, users can make custom settings;

High speed: 4.5m/s
Medium speed: 3m/s
Low speed: 1.5m/s
Surround radius: currently set to 2.5m, users can make custom settings;

Appendix

Specifications

Vehicle
Size	358*212*124mm
Weight	1550±50g

Servo
Type	Digital servo
Size	44*15*32mm

Motor
Type	Induction brushless motor
Size	Φ28*66mm

Switch
Type	Rocker switch
Size	15*21*22.4mm

Structure type
Shell	Not support replacement
Chassis	Bearing chassis
Drive mode	Rear drive
Suspension	Four-wheel independent suspension
Reduction gearbox	16 transmission ratio
Tyre	Mountain tyre
Drive axle	Rear wheel differential drive

Battery
Capacity	2500mah
Voltage	11.1V
Charging voltage / current	12.6V / 2A
Type	18650

Maintenance

Pay attention to waterproof during use!

Scope of application

OBSBOT Turtle is not recommended for use in the following scenarios:

1. In the following scenarios, the performance of OBSBOT Turtle will be greatly reduced: slopes, grass, mud, bumpy ground, sand and snow;
2. In extreme environments, such as deserts, rainstorms, blizzards, tornadoes, etc;
3. When the distance between OBSBOT Turtle and the user exceeds 30m;
4. When there is a large obstruction between the user and OBSBOT Turtle and the distance is more than 8m;

Common problems and solutions

Please restart OBSBOT Turtle when it stops working.

Disclaimer

Be sure to respect the privacy of others before using this product. Especially:

· Licensing
· Privacy right
· When, where, and under what circumstances, using OBSBOT Tail legally.

Users should pay close attention to changes in applicable laws. REMO TECH does not assume any responsibility for violating local laws and regulations. If the user violates any of the above regulations, user will bear the legal responsibility. It is forbidden to use this product for any acts or misconduct that violate laws and regulations or laws and regulations of use. It is forbidden to use this product to cause damage to the person or property of others.

Warranty Regulations

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

a. Within 7 days from the date of your receipt, you can enjoy the performance failure of the product through the testing of REMO Service Center, and you can enjoy return or exchange service;

b. Within 15 days from the date of your receipt, you can confirm the product performance failure through the test of REMO Service Center, and you can enjoy the exchange or free maintenance service;

c. Within 12 months from the date of your receipt, you can enjoy the performance of the product through the REMO Service Center to determine the performance failure of the product.

Non-warranty Regulations

The following conditions (but not limited to the following cases) are not within the scope of the "Three Guarantees" service:

a. Unauthorized repair, misuse, collision, negligence, abuse, liquid injection, accident, alteration, improper use of non-converter accessories, or tearing, alteration of labels, anti-counterfeiting marks;

b. The validity period of the three guarantees three packs has been exceeded;

c. Damage caused by force majeure such as fire, flood, lightning strikes.