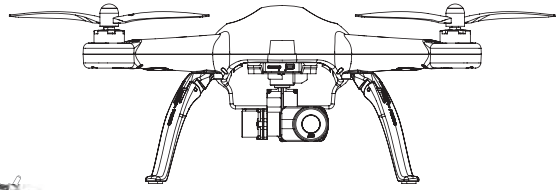
AEE Aerial Photography Explore new vision | AP12



UAV pioneer and leader

TORUK AP12

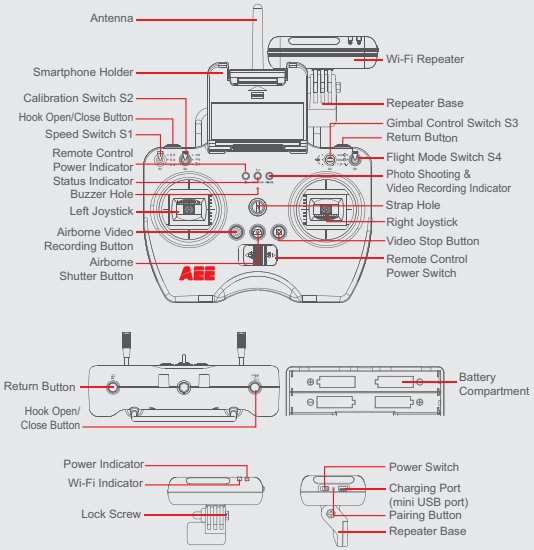
Fly with freedom • Shoot with passion

Disclaimer

Please read this disclaimer carefully before using the product of Quadcopter. This product is not suitable for people under the age of 18. By using this product, you hereby agree to this disclaimer and signify that you have read them fully. You agree that you are responsible for your own conduct and content while using this product, and for any consequences there of. You agree to use this product only for purposes that are proper and in accordance with the terms and any applicable or guidelines AEE may make available.

1. Shenzhen AEE Aviation Technology Co.,Ltd. reserves the right of final interpretation of this disclaimer.
2. Any part of this disclaimer is subject to change without prior notice.
3. This disclaimer is available in multiple languages. In case of any discrepancy, the Chinese version shall prevail.
4. For more detailed or latest product information, please visit User Manual and www.aee.com.

Remote control and Wi-Fi Repeater Description



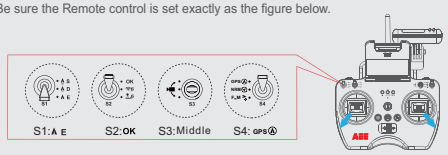
Remote control (U.S. Mode)	Quadcopter Direction (" ◄ " indicates nose direction)
UP / DOWN	UP / DOWN
TURN LEFT / TURN RIGHT	TURN LEFT / TURN RIGHT
FORWARD / BACK	FORWARD / BACK
LEFT / RIGHT	LEFT / RIGHT

Note: The Remote Control is set to U.S. mode by default.

10 Taking off and Landing(Outdoors)

Taking off:

1) Place Quadcopter (with full power battery) on a flat and open ground, and ensure Tail Indicator faces toward you.
2) Power on the Remote control,Wi-Fi Repeater and Quadcopter in sequence.
3) Be sure the Remote control is set exactly as the figure below.



4) Starting motors: toggle the left joystick to left bottom corner and toggle right joystick to right bottom corner at the mean time to start motors.
5) Push the left joystick slowly, then Quadcopter take off. Please refer AEE Quadcopter User Manual for more details.

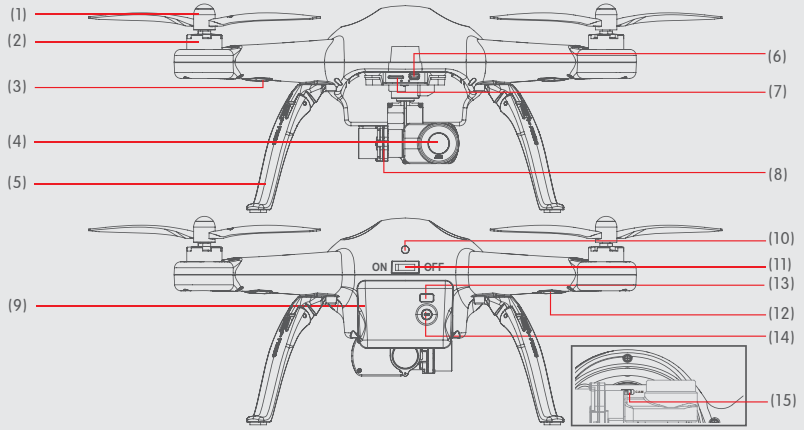
⚠ Note:The motors can not be started until GPS signal is ready(Tail Indicator(green) remains on) , when the S4 is in GPS mode.

Landing:

1) Slowly pull the left joystick to lower Quadcopter until it touches the ground(only on a flat and open ground).
2) After landing, pull the left joystick to the lowest position and hold for more than 3 seconds until the motors stop.
3) Power off Quadcopter by sliding the switch to OFF.
4) Remove the battery.
5) Power off Remote control and Wi-Fi Repeater.

⚠ Important:

1) Control the flight height under your control during your first flight.
2) Do not toggle the left joystick to left bottom corner and toggle right joystick to right bottom corner during flight ,or it will cause the motors to stop working and the Quadcopter will drop without control.



[1] Propeller	[2] Motor	[3] Front Indicator	[4] Camera
[5] Landing Gear	[6] Mini USB Port	[7] Micro SD Card Slot	[8] 3-Axial Gimbal
[9] Quadcopter Battery	[10] Tail Indicator	[11] Power Switch	[12] Rear Indicator
[13] Battery Level LCD Segment Display		[14] Battery Level Check Button	[15] Switch

AP12 Quadcopter

Quick Start Guide

1 Download AEE App (iOS / Android)

To install the AEE AP+ App onto your smartphone by scan QR code.

Scan QR Code above

You also can download the App from the Google Play Store or the Apple App Store.

AEE AP+

ANDROID APP ON Google play

Android 4.0 or above

Available on the iPhone App Store

iOS 8.0 or above

Compatible Mobile Devices

iOS (system version iOS 8.0 or above): Applicable for iPhone 4s/ 5/5s/5c/6/6s/6 Plus/6s Plus, iPod Touch 4 / 5. iPad 3/4 / mini / Air can also be used. Android (Systemversion 4.0 or above), Applicable for mainstream models can be used.

- AEE will provide updates on future support for more types of mobile devices.

⚠ Important: Before flight, please read all instructions included in quick start guide, detailed user manual and other useful information included in the package or the official website.

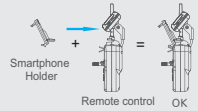
2 Assembling Wi-Fi Repeater and Smartphone Holder and Remove the Gimbal-bracket

Installing Wi-Fi Repeater

1) Put the Repeater in the Remote control.
2) Fasten Wi-Fi Repeater with a screw.

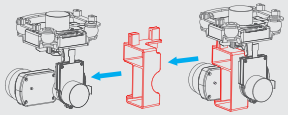
Installing Smartphone Holder

Fix the Smartphone onto Remote control.



Remove the Gimbal-bracket

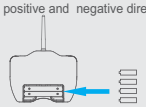
Please remove the gimbal-bracket as the figure below.



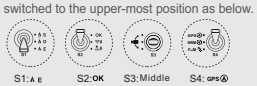
⚠ Important:Please remove the gimbal-bracket before power on the drone.

3 Preparing the Remote control

1) Load four AA batteries into the battery compartment. Pay attention to positive and negative directions.



2) Be sure S1 is swiched to the "E" position as below, S2 and S4 are switched to the upper-most position as below.

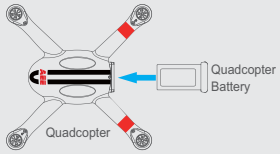


3) Slide power switch to ON position to power on the Remote control. Then the power indicator(red) lights up. After freguency-pairing between Remote control and Quadcopter, the Status Indicator (blue or green) lights up.

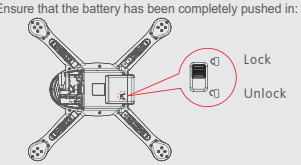
⚠ Important: A continuous beeping(di didi di didi…) sound emitted from the Remote control indicates low battery voltage. Please replace batteries immediately. Make sure Quadcopter is powered off when replace the batteries of Remote control.

4 Assembling Quadcopter Battery

1) Load battery into battery compartment in the correct direction.



2) Ensure that the battery has been completely pushed in:

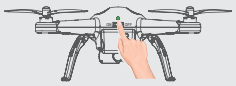


After the battery is completely pushed in, a "click" sound will be heard, indicating that the battery has been fastened. If the battery lock is not tightly locked, poor contact of power supply may be caused, which will affect the flight safety or result in take-off failure.

⚠ Important: Pressing the Battery Level Check button to check the battery level. Please fully charge the battery if it is less than two bars showed on the Segment Display.

5 Power on Quadcopter

Slide the power switch to "ON" to power on Quadcopter.



⚠ Note:The general indicator instructions are showed in the following table. Please refer to the user manual for more details.

Tail indicator	
Description	Self-checking (off), Searching satellites (blinking slowly) , GPS is ready (remaining on)

WARNING	Front Indicator (green)	Rear Indicator (red)
1st Level low battery alarm	Blinking Slowly (blinking once per second)	Blinking Slowly (blinking once per second)
2nd level low battery alarm	Fast blink twice per second	Fast blink twice per second

Indicators on the remote control			
Function status	Power indicator	Status indicator	Photo Shooting & Video Recording Indicator
Startup	Remains ON	N/A	N/A
GPS normal	Remains ON	Green light	N/A
GPS searching	Remains ON	Blue light	N/A

Note: The Remote Control will be started fully when the Photo Shooting & Video Recording Indicator turns on.

6 Compass Calibration

Compass calibration is required before first time use otherwise the system may not work properly, affecting flight safety. The compass is sensitive to electromagnetic interference from other electronic devices, which can cause abnormal compass data leading to poor flight performance or even flight failure. Regular calibration is required for optimum performance.

- Attention:Do not calibrate the compass in environments with a strong magnetic field (such as near power lines or radio towers); Do not carry ferromagnetic materials when calibrating the compass,such as keys and cell phones etc.)

⚠ Note:

1) Calibration can begin until the Remote control and Quadcopter start up completely(powered on for about 20 seconds).
2) Please disassemble the propellers before calibration.

1.After the quadcopter powers on (about 20 seconds). Swich S4 for more than 5 times between GPS and F-M mode. The quadcopter will enter calibraion standby mode (the tail light blinks fast).

2.Toggle the joysticks to the position as shown above figure. Front indicators (green) blinking slowly,Then release the joysticks.Compass calibration command has been sent successfully.

3.Rotate Quadcopter 360° horizontally (2 turns)

4.Rotate Quadcopter 360° vertically 2 turns (Nose down)

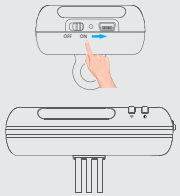
5.Rotate Quadcopter vertically (Nose leftward) until green lights off, Put Quadcopter on the ground. Green lights up normally after light off→ calibration successful; Green lights blink fast after light off→calibration failed → Recalibrate.

7 Switching on the Repeater

1) Toggle Repeater power switch to ON.

2) Wait until the Wi-Fi indicator (blue) blinks once per 3 seconds, indicating the Repeater is communicating properly.

3) While using, ensure the Repeater's LED side faces you, and ensure that visibility between the Repeater and quadcopter is unobstructed, to obtain maximum communication distance.



⚠ Important:

1) Wi-Fi Repeater power is running out or is charging when the red light blinks. If the power is low , please charge it as soon as possible.
2) If the Wi-Fi indicator fast blinks blue (1.5 seconds OFF, 0.3 seconds ON), or keeps ON, please repair Wi-Fi repeater and quadcopter refer to manual.

8 Connecting the Camera

1) Power on the Remote control and Wi-Fi Repeater. Then power on AEE Quadcopter.

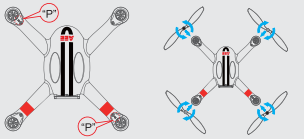
2) Enable Wi-Fi on your mobile device. Wait for Approximately 30 seconds (when the blue indicator blinks once per 3 seconds), and select "AEE_AP******" from the Wi-Fi network list. Select this network and enter the password "00000000" to join the network.

3) Run the App on your mobile device. The App interface appears on the mobile device as shown in the figure below.

Touch " " to establish connection between the mobile device and camera . After connecting, the App will navigate to the App Preview interface. If you can see real-time camera preview on screen, the mobile device has successfully connected with the camera.

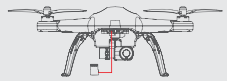
9 Assembling Propellers and Micro SD card

1) Remove the 4 warning cards from motors.
2) Attach propellers with gray nuts to motor shafts without "P" mark, and attach propellers with black nuts to motor shafts with "P" mark.
3) Tighten propellers as per the appropriate locking direction.



⚠ Note: (1) Propellers are designed to self-tighten during flight; therefore do not tighten them excessively. Do not use glue on the threads. (2) Ensure propellers are attached in the correct position. The quadcopter can not fly properly if the propellers are installed incorrectly. Wear protective gloves while installing as propellers are very thin and may cause accidental scratches. (3) Do not get close to or even touch the working motors and propellors to avoid serious injury.

Please insert the Micro SD card into the card port while the power is OFF, before shooting pictures or recording videos. AEE Quadcopter Micro SD card supports maximum 64GB card.



FCC Information and Copyright

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 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.