



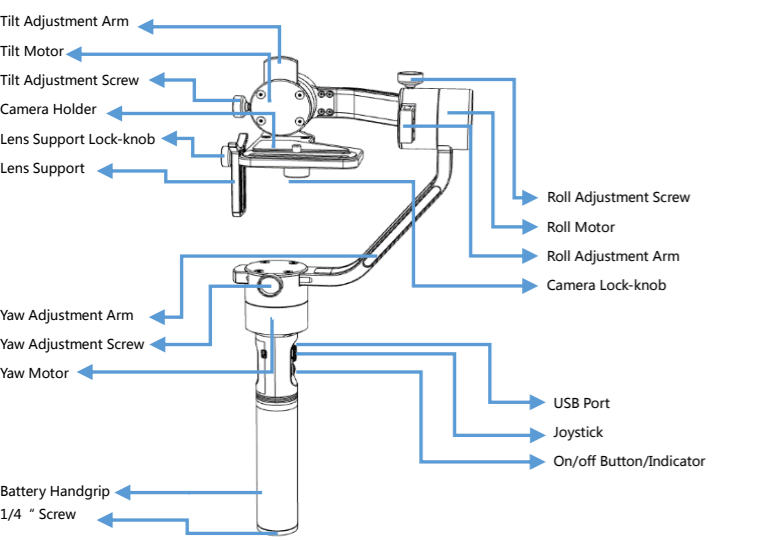
Air Quick Start Guide

V2.0

A Packing List

Gimbal x 1	Battery Handgrip x 1	26350 Battery X 3	Charger X 1
User Manual X 1	Wireless Thumb Controller (Optional)	Accessory Mount (Optional)	Handle Clamp X 1
Handle Bar X 2	Side Handle X 2	Lens Support X 1	Lens Support Screw X 1
SONY Control Cable X 1	GH3/4 Control Cable X 1	Canon Control Cable X 1	USB Cable X 1

B MOZA Air

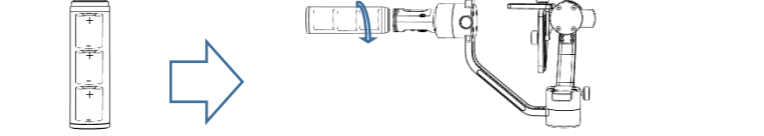


C Buttons&Ports

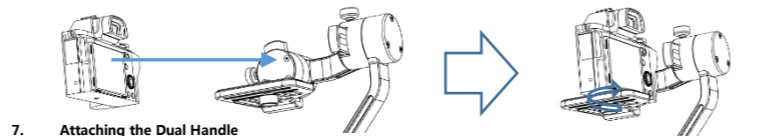
On/Off : Single Press: Start/Stop recording Double Press: Undefined Triple Press: Re-center Long Press: Turn on/off
Joystick : Up/Down/Left/Right : Control the gimbal movements
 Single Press: Yaw-follow Double Press: Yaw-tilt follow Long Press: All-locked
USB Input : Adjust parameters ; Upgrade firmware **USB Output** : Control camera recording
Light Status : Yaw-follow Yaw-tilt follow All-locked
 Low Battery Level/Firmware Upgrading :
Firmware Upgrade : Press the joystick then press on the On/Off button: Firmware Upgrading status

D Set up the MOZA Air

5. Install Battery
 Insert three 26350 batteries into the handgrip. Make sure the positive terminal is facing upwards. Then screw the handgrip to the gimbal.



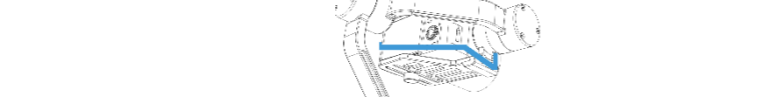
6. Mount the Camera
 Lay the gimbal horizontal, resting on it the roll motor as shown. Place the camera on the camera mount platform. Align the camera's 1/4 mount by passing the 1/4" thumbscrew through the camera mount platform. Tighten the thumbscrew to secure the camera.
 Smaller cameras should choose the closest track to the tilt motor such as RX100. For medium sized cameras the middle track, like A7SII. For larger bodied cameras the furthest track from the tilt motor, such as Canon 5D.



7. Attaching the Dual Handle
 Insert the handle bar into the side handles and tighten the lock-knob on each side. Loosen the lock-knob in the middle of the handle bar. Attach the handgrip to the handle bar and then adjust it properly, tighten the lock-knob.



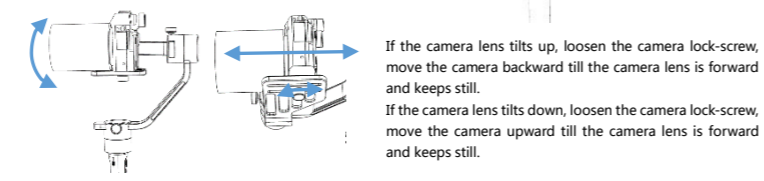
8. Camera Control Cables, How to connect and operate.
 Connect the camera to the Mini-USB port on the tilt motor with the control cable. Press the On/Off button on the handgrip to start or stop recording. Plug the L-shaped end of the control cable into the USB output port, and plug the other end into the camera USB port or the shutter port. Please make sure the gimbal motor is not blocked by the control cable.



E Adjust Balance

4. Adjust Tilt Balance
 (1) Adjust measurement marks on the tilt adjustment arm
 Put the MOZA Air upright, lock the yaw axis and roll axis. Rotate the tilt axis with your hand so that the camera lens faces downwards.

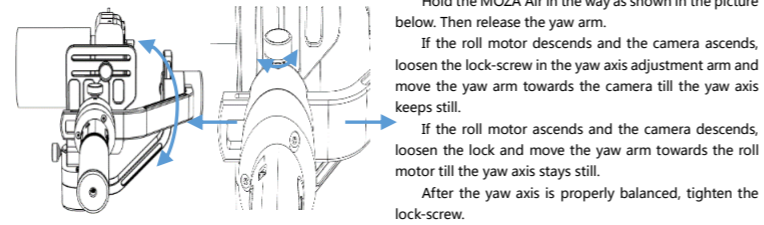
If the camera lens rotates forward, loosen the lock-screw on the tilt adjustment arm, move the tilt arm backward till the lens is downward and not rotating due to the pull of gravity.
 If the camera lens rotates backward, loosen the lock-screw on the tilt adjustment arm, move the tilt arm forward till the lens is downward and can not rotate.
 Tighten the lock-screw after tilt balance is finished.
 (2) Move the camera forward or backward



5. Balance the Roll Axis
 When the tilt axis is balanced, put the camera upright to balance the roll axis.

If the tilt motor falls down and the camera ascends, then loosen the lock-screw, move the roll arm towards or away from the camera till the roll axis stays level.
 If the tilt motor ascends and the camera descends, then loosen the lock-screw, move the roll arm towards the tilt motor till the roll axis stays level. After the roll axis is properly balanced, tighten the lock-screw.

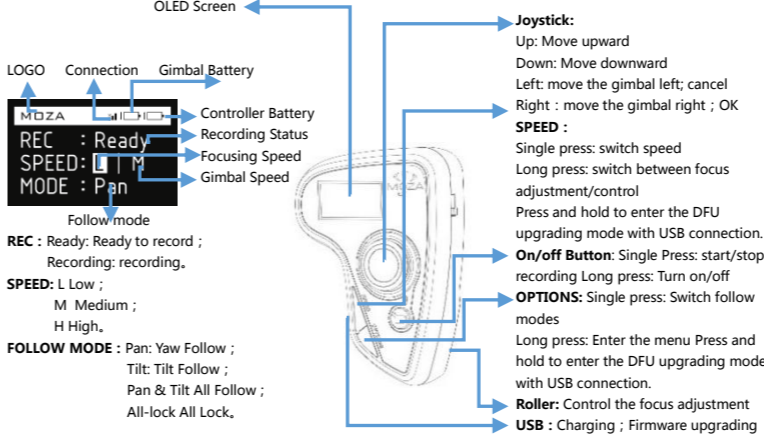
6. Balance the Yaw Axis
 Hold the MOZA Air in the way as shown in the picture below. Then release the yaw arm.
 If the roll motor descends and the camera ascends, loosen the lock-screw in the yaw axis adjustment arm and move the yaw arm towards the camera till the yaw axis keeps still.
 If the roll motor ascends and the camera descends, loosen the lock and move the yaw arm towards the roll motor till the yaw axis stays still.
 After the yaw axis is properly balanced, tighten the lock-screw.



F Changing Operating Modes

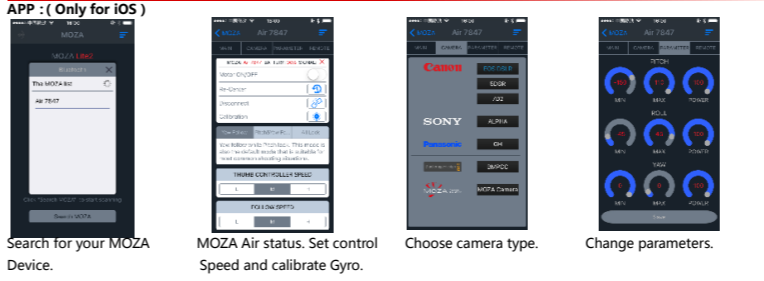
Underslung Mode: Rotate the handgrip around the roll motor till 180 degrees above the camera. If the roll axis adjustment arm is too far out to the right, the tilt motor will not rotate. The gimbal may shake when rotating to 90 degrees. Do not stay too long in the 90-degree rotation.
Flashlight Mode: Rotate the handgrip around the tilt motor by 90 degrees. Switching into the flashlight mode may fail if the tilt axis adjustment arm is excessively upward.

G Wireless Thumb Controller (Optional)



Functions :
 Pair : Pairing is necessary when you change the wireless thumb controller, gimbal or upgrade the firmware. Long press 'OPTIONS' to enter the menu. Then choose 'Pair' and move the joystick rightwards to enter the secondary menu. Move the joystick downwards to choose the 'YES' option, and move the joystick rightwards again to enter the Pairing mode. The interface of 'Pairing' will appear. Then turn on MOZA Air gimbal, The screen of the thumb controller shows 'OK' in about 3 seconds.
 Camera : Choose the camera type you will use with the gimbal to control the camera start/stop recording. Profile : There are 4 sets of parameters are optional for different camera and lens in different versions.
 Follow Speed: Gimbal movement speed along with the operator. Three follow modes are available.
 Power : Motor torque.
 Gyro Calibrate : Calibrate the Gyro. Turn off the motor before calibration.
 Habits : Set the motor and direction controlled by joystick, and time shown in the screen.
 Motor : Turn on or off the motor.
 Version : View the current version of the wireless thumb controller hardware and software.

H APP & GUI



Control the gimbal movements Firmware upgrade
 GUI : (Currently supports Window & Mac OS system)
 Download the file and install the driver. Turn on the MOZA Air and connect it to computer to enter the interface for parameter adjustment.



Gimbal Interface: adjust Endpoint range, Control interface : adjust control motor torque and follow mode. Speed and parameters of dead angle.
 Calibrate interface: calibrate Gyro
 Info Interface: Check info about version and battery level. Firmware Upgrading Interface: Press the joystick button to turn MOZA Air on. Enter the firmware upgrading mode. Then connect to computer and launch the software.

I Upgrade Firmware & Calibrate Gyro

Upgrade Firmware :
3. MOZA Assistant Software :
 Press the joystick to turn on MOZA Air and enter the firmware upgrading mode. The indicator will blink and the motors will power off. Connect the gimbal to computer with USB cable and then launch GUI. GUI will automatically recognize MOZA Air's status and enter the firmware upgrading interface. Connect to the network and click "Upgrade". The GUI will automatically download the latest firmware and rewrite it to the MOZA Air. After upgrading is 100% disconnect the USB cable and restart the MOZA Air.
4. MOZA Assistant App :
 Press the joystick to turn MOZA Air on and enter the firmware upgrading mode. The indicator will blink and the motors power will off. Turn on Bluetooth and search your MOZA device to connect. The MOZA Assistant App will recognize MOZA Air's status and enter the firmware upgrading interface. Make sure network is connected and click "Upgrade". The App will automatically download the latest firmware and rewrite it to the MOZA Air. After the upgrading is 100%, disconnect and restart the MOZA Air. It can take around 20 minutes to upgrade firmware on the mobile phone.

Sensor Calibration :
 Use GUI to calibrate sensor. Click "Motor" to turn off motors. Place the gimbal on a sturdy vibration-free surface. Then click "Simple Gyro Calibration". The computer screen will show "success" after the calibration is finished, then restart MOZA Air.
 Use App to calibrate sensor. Click "Motor" to turn off motors in the APP. Place the gimbal on a sturdy vibration-free surface. Click "Sensor Calibration">Gyro Calibration>Start buttons step in step. Disconnect after the screen shows "Back", then restart MOZA Air.
 Use the Wireless Thumb Controller to calibrate sensor. Place the gimbal on a sturdy vibration-free surface. Click "Gyro Calibrate">"Yes" buttons. Once the screen shows "success", restart the MOZA Air.

J Specs

Gimbal Weight: 1100g (including battery) Dimensions: 336*115*40mm Max Payload : 2500g Tilt Rotation Range : 360° Roll Rotation Range : 360° Yaw Rotation Range : 360° Working Voltage : 10—15V Dynamic Current : 800mA Static Current : 100mA Battery Life : ≥4hrs Bluetooth : Bluetooth 4.0 , valid range: 5m USB Input : Micro USB 2.0	Battery Type : Li-on Model : 26350 Capacity : 2000mAh Output Voltage : 4.2V (max) Output Current : 2A (max) Charger Input Voltage : 5V Input Current : 2A (min) Output Voltage : 4.2V Output Current : 500mA X 3 Charging Time : 5hrs	Wireless Thumb Controller Weight : 100g Battery Capacity : 600mAh Battery Voltage : 3.7V Working Current: 50mA Rest Current : 10mA Standby Time: 24h Wireless Type : 2.4G Control Range : 50M Charging Voltage : 5V Charging Time: 2h
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K After-sales Policy

Warranty Terms
 The gimbal and charger are covered by a 12-month warranty. The motor and battery come with a 3-month warranty. The one-year limited warranty does not apply to consumable parts such as the user manual, USB cables, and outer box. Shipping costs are not covered. Check the detailed warranty policy for your region on www.gudsen.com
Exchange & Repair
 If the product has manufacturing defects within 15 calendar days of purchasing the product can be exchanged. The replacement applies only to the gimbal. Other accessories without qualifying issues are not covered.

Warranty repair service will not be provided if the conditions are:
 1. Warranty expired;
 2. No legal proof of purchase, receipt or invoice is not provided;
 3. Product labels, serial numbers, waterproof marks, etc. show signs of tampering or alteration.
 4. Any damage of the product is caused by unauthorized use or modification of the product.
 5. Damage that is caused to the product by uncontrollable external factors.
 6. Damage that is caused by improper usage and maintenance.

L Contact Us



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