HexaCopter UAV

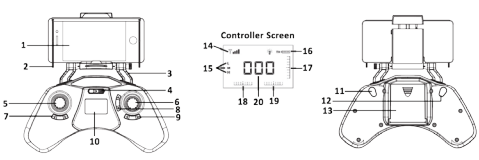
Upgrade your flying skills!

Thank you for purchasing this Merlin Product. Please read the instruction manual carefully before using the product.

The documentation provided will allow you to fully enjoy all the features this unit has to offer.

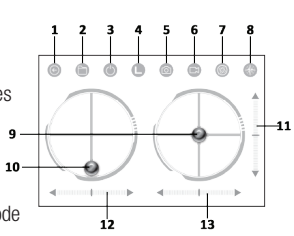
Please save this manual for future reference.

Controller Interface:



1) Smartphone (*not included)
2) Screen Guard
3) Smartphone Holder
4) Power Switch
5) Left Joystick (Throttle Control)
6) Right Joystick (Rudder Control)
7) Trimmer A (For Left/Right Turning)
8) Trimmer B (For Upward/Downward Movement)
9) Trimmer C (For Left/Right Movement)
10) Controller Screen
11) Return Button
12) Flip Button
13) Battery Compartment
    (Runs on 4 * 1.5V AAA batteries – not included)
14) Signal Strength
15) Speed Mode
16) Drone Battery Indicator
17) Forward/Backward Trim Grid
18) Left/Right Movement Trim Grid
19) Left/Right Turn Trim Grid
20) Throttle Acceleration Percentage

App Interface:



1) Back Button
2) Saved Video/Photo Files
3) Show/Hide Interface
4) Speed Mode
5) Capture Image
6) Start/Stop Recording
7) Gyroscopic Control Mode
8) Head-Lock Mode
9) Right Joystick (Rudder Control)
10) Left Joystick (Throttle Control)
11) Trimmer B (For Upward/Downward Movement)
12) Trimmer A (For Left/Right Turning)
13) Trimmer C (For Left/Right Movement)

Instructions

Connecting to Controller:

1) Turn the controller on using the on/off switch located in the center.
2) Turn HexaCopter on using the switch located behind the device.
3) The LEDs on HexaCopter will begin to flash slowly, indicating that the device is ready for pairing.
4) On the controller, push the throttle lever up until you hear a beep, indicating that the pairing is complete.

Connecting to Smartphone via App:

1) Download and install Merlin's 'HexaCopter UAV' app from Google Play or App Store.
2) Turn on HexaCopter and wait until the device is ready for pairing.
3) Go to your smartphone's Wi-Fi settings and connect to "HexaCopter_UAV".
4) Run the app and use the on-screen controls to fly HexaCopter.

Controller Flight Controls:

1) Push the Left Joystick up/down to make HexaCopter climb up/down.
2) Push the Left Joystick left/right to turn HexaCopter left/right.
3) Push the Right Joystick up/down to move HexaCopter forward/backward.
4) Push the Right Joystick left/right to move HexaCopter left/right.
5) Press the Left Joystick in to change between the three speed modes [Low, Medium (Default Speed), and High].
6) Press the Return Button to make HexaCopter fly back to you.

Note: HexaCopter should be in Head-Lock mode and in front of you for the Return function to work.

7) Press the Flip Button and use the Right Joystick to flip HexaCopter in the desired direction.

App Flight Controls:

1) Slide the Left Joystick up/down to make HexaCopter climb up/down.
2) Slide the Left Joystick left/right to turn HexaCopter left/right.
3) Slide the Right Joystick up/down to move HexaCopter forward/backward.
4) Slide the Right Joystick left/right to move HexaCopter left/right.
5) Touch the 'Gyroscopic Control Mode' button to use your smartphone's gyroscope for controlling HexaCopter.
6) Touch the 'Speed Mode' button to select between the three speed modes.

Head-Lock Mode:

1) To enter Head-Lock mode, turn on HexaCopter and place it on a flat, level surface.
2) Turn on the wireless controller and pair it with the drone.
3) Once paired, press the Right Joystick in and wait for the LEDs to start flashing, indicating that HexaCopter has entered Head-Lock mode.
4) To exit, press the Right Joystick in again.

Auto Calibration:

1) If you're unable to stabilize the drone using the trimmers, then you may need to auto calibrate it.
2) To do so, turn the drone off and place it on a flat, level surface in such a way that it's facing away from you.
3) Turn the wireless controller on and push the Right Joystick all the way up and then pull it all the way down.
4) The LED indicator on the controller will start flashing, indicating that the device is in auto calibrate mode.
5) Next, switch the drone on and once you hear three beeps, push the Right Joystick to bottom right. Upon successful calibration, the LEDs should stay lit.

Charging:

1) Remove the battery from HexaCopter and connect to the included USB charging cable.
2) Connect the charging cable to any standard charging adapter with USB port or your desktop/laptop's USB port.
3) When completely charged, the red LED on the USB cable will turn green.

Maintenance

1) Do not apply excessive force when removing/attaching HexaCopter's battery.
2) Do not pour water or other liquids on the device.
3) Keep away from other Wi-Fi signals as far as possible when flying HexaCopter.
4) Try to land HexaCopter as softly as possible to avoid damage from hard landings.
5) When flying indoors, keep HexaCopter away from children and pet.

FAQ

Q) I cannot find HexaCopter's Wi-Fi.
A) Turn your smartphone's Wi-Fi off, then on, and search for it again.

Q) What is the range of HexaCopter's Wi-Fi connection?
A) The maximum control radius is 30 meters.

Q) The video feed from HexaCopter is not clear?
A) Ensure that the battery is fully charged and that the signal is not being blocked.

LIMITED WARRANTY

Merlin Products are covered by a limited one-year warranty policy. If the product suffers from a manufacturing defect, the customer will receive a replacement if claimed within 15 days of the purchase date. Otherwise, the product will be inspected for possible repair options. The product will either be repaired and returned free of charge, or replaced. All repair services past the one-year warranty period will be charged for any repairs that need to be made.

If the client is located outside the UAE, or is otherwise unable to personally deliver the defective product to our service center or retail outlets, he/she may send it via post at his/her own cost. The repaired/replaced product will then be returned to the client via courier mail at Merlin's cost, as long as the warranty period is still active.

Important: This limited warranty DOES NOT COVER normal wear and tear, accidents, damage during transit, misuse, abuse or neglect. Attempting to disassemble the unit will render the warranty null and void.

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For enquiries and information call our toll free number **800-MERLIN** (Sat-Thu, 9 am - 6 pm)

Contact our support staff for troubleshooting and any other enquiries relating to your Merlin product by sending an email at **support@merlin-digital.com** and your issue will be resolved within 48 hours.

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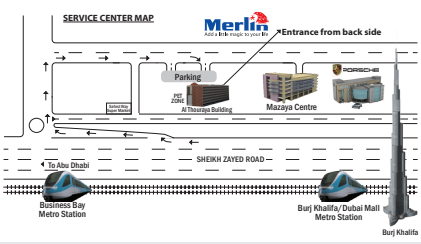

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