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Attaching the Bumper Guards

- The bumper guards are designed to attach to the 4 propeller rotors – front & back aligned
- Locate the two holes on each rotor, align the peg inserts on the bumper guards, and insert
- Ensure each peg is fully inserted – REPEAT until all bumper guards are secure
- BEFORE TURNING ON, MAKE SURE THAT THE BLADES ARE NOT HITTING THE BUMPER GUARDS
 - If there is potential for interference, simply bend the bumper guard back, away from the drone, holding for 1-2 seconds until the bumper guards are not impeding the blades.



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Replacing Damaged Blades

- This drone has 2 sets of blades, "A" and "B". Each has its own spin direction and it is very important that you replace the blades correctly. An "A" damaged blade can only be replaced with an "A" blade. Each blade will have the letter "A" or "B" embossed on the blade.
- Unscrew the damaged/older blade carefully, and replace with the correct newer blade. If you have trouble removing old blade by hand, carefully use pliers.

Using the camera

- Pictures can be taken with or without an SD card inside of the Drone. Micro SD card is optional, but if used, place underneath the Drone in the MicroSD card slot and push card into slot until you hear a click. Note: Crashing drone, might make MicroSD card pop out of unit.
- When the drone's flight is stable. Press the camera icon on the app to take a picture. Press on the video camera icon to take a video. During video recording the time will of the recording will show on your mobile phone. To stop video recording, you simply click the video button again.
- To remove the Micro SD card, simply push down on card and it will eject.

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Calibrating the drone

To be done when drone flight is not stable or after a crash.

- When drone is on. In app, move the left joystick down and the right joystick up. Hold this position for approx. 3 seconds. You will see the drone flash its lights and then turn solid again when calibration is complete.



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Data of drone:

- Flight weight: 120G (with battery)
- Maximum flight speed: 5 meter/second
- Battery on the drone : 3.7V 850mAH;
- Fly time : up 10 minutes
- Camera pixels : 720P
- Camera Resolution: 1280x720 JPG
- Video format: 1280x720 MP4
- SD card Max: 32G



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Important Safeguards:

When using an electrical product, basic precautions should always be followed, including the following:

- READ ALL INSTRUCTIONS BEFORE USING:
- THIS IS NOT A TOY.

- Please do not attempt to change or remove the lithium battery yourself.
- Do not dispose of batteries in fire.
- Do not leave batteries in hot places such as an automobile under direct sunlight.
- Do not mix used and new batteries, or install used batteries in other equipment.
- Do not mix Alkaline, Standard (Carbon-Zinc) or Rechargeable (Nickel Cadmium) or (Nickel Metal Hydride) batteries.
- Do not reverse the polarity (positive and negative terminals) of batteries.
- Install only new batteries of the same type in your product.
- Failure to insert batteries in the correct polarity, as indicated in the battery compartment, may shorten the life of the batteries or cause batteries to leak.
- Batteries should be recycled or disposed of as per state and local guidelines.

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FCC Information

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.

If you cannot eliminate the interference, the FCC requires that you stop using your equipment. Changer or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body

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Support

If you are having problems with your product, please contact Hover-Way Customer Support before contacting your retailer. (866) 696-3421 • support@hover-way.com

Limited Warranty Statement

Hover-Way provides warranty against defects in workmanship and materials for a 12 month period from the original purchase date. Hover-Way requires valid documented Proof of Purchase (receipt from retailer) in order to obtain warranty services. If this product fails during the 12 month limited warranty period, Hover-Way reserves the right to repair or replace any parts or products that are determined to be defective due to workmanship or material. Any replacement or repair done by Hover-Way services, will not restart your 12 month limited warranty. Your device is only covered under the original warranty period. This warranty is only offered to the original purchaser of the product and is not transferable to anyone else.

Hover-Way's Limited Warranty does not cover damages caused by user operation, cleaning and maintenance of product, incorrect installation, any accidents or damages from extreme temperatures and/or improper use or handling. Hover-Way's limited warranty does not cover the products from software issues or normal wear and tear of the product, nor does it cover any problem that is caused by conditions, malfunctions, or damage not resulting from defects in material or workmanship. These conditions may include, but are not limited to: road hazards, accidents, and improper operation or maintenance. Hover-Way reserves the right to not provide service for products whose serial numbers have been altered, defaced and/or removed as well as products whose housing have been opened. In no event shall Hover-Way be liable for any incidental, indirect, or consequential damages or liabilities (including but not limited to, incidental or consequential damages for loss of time, inconvenience, loss of use of product, or any other consequential or incidental loss) in connection with the purchase, use, or operation of Hover-Way products. Hover-Way is not liable for property damage, personal injury, or death.

Please contact Hover-Way using the phone number above for specific instructions on obtaining warranty services.
This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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User Manual

HOVER-WAY
HVR AvaDrone
App controlled drone



Age 14+

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Package Contents

- 1 x Drone
- 2 x 850mAh 3.7v Batteries
- 1 x USB Charging Cable
- 1 x 8GB Micro SD card
- 2 x replacement propellers
- 2 x Propeller guards (optional)
- 1 x "A" propeller, 1 x "B" propeller
- 1 x User's Guide

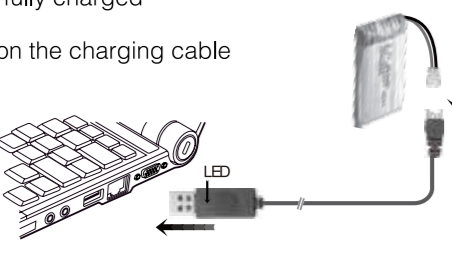
Charging the Drone Battery:

This drone uses a lithium polymer battery. Do NOT use any other battery and/or charger besides the ones that came with the device. Replacing battery or charger with another model might cause damage to unit.

- Use the USB charging cable that came with unit. Plug battery into one end and the plug the USB end into a USB power source, such as a laptop, or wall adapter. The LED light on the charger, will show while charging. Once complete, light will turn off. (Note: the batteries that come with this drone might be fully charged upon arrival. If no light shows while attempting to charge, try connecting battery to unit and turn on. If it does turn on, the battery was fully charged)
- A full battery charge takes up to 2 hours (depending on the power source the USB charging cable is plugged in to). A fully charged drone can fly for up to 8 minutes.
- Do NOT overcharge battery. Once the LED light on the charging cable has turned off, unplug unit.

Caution:

- Use only the supplied lithium battery. Using any other battery may damage the drone.
- Only use the included USB charging cable to charge the drone battery.



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Installing the Drone Battery

- Open the battery compartment which is located on the rear of your drone.
- Pull out the connector cable.
- Connect the battery cable to the connector cable. The light will start flashing as soon as the battery is connected successfully.
- Once connected, slide the battery back into the battery compartment and close the cover.



Removing the Drone Battery

- Open the battery compartment.
- Pull the battery out of the compartment.
- Disconnect the battery cable from the connector cable.

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Warning

- Propeller installation. Please be sure to install the correct propeller into the correct location. Each propeller is marked with an "A" or "B" which indicates the certain spin direction each propeller makes. If you need to replace the "A" propeller, make sure you are replacing with an "A" propeller.
- Removing Propeller: Each propeller is held onto drone by a screw. Carefully unscrew old/damaged propeller and replace with propeller of the same spin direction.

Warning:

Do NOT fly Ranger Drone in rainy and/or snowy weather. Drone cannot get wet. If it does, please wipe clean immediately.
Do NOT overcharge battery. Once the LED light on the charging cable has turned off, unplug unit.

Battery Notes

- Always let the drone battery cool before recharging.
- Dispose of old batteries promptly and properly. Do not burn or bury them. Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the drone for a long period, remove the batteries from the remote control. Batteries can leak chemicals that can damage electronic parts.

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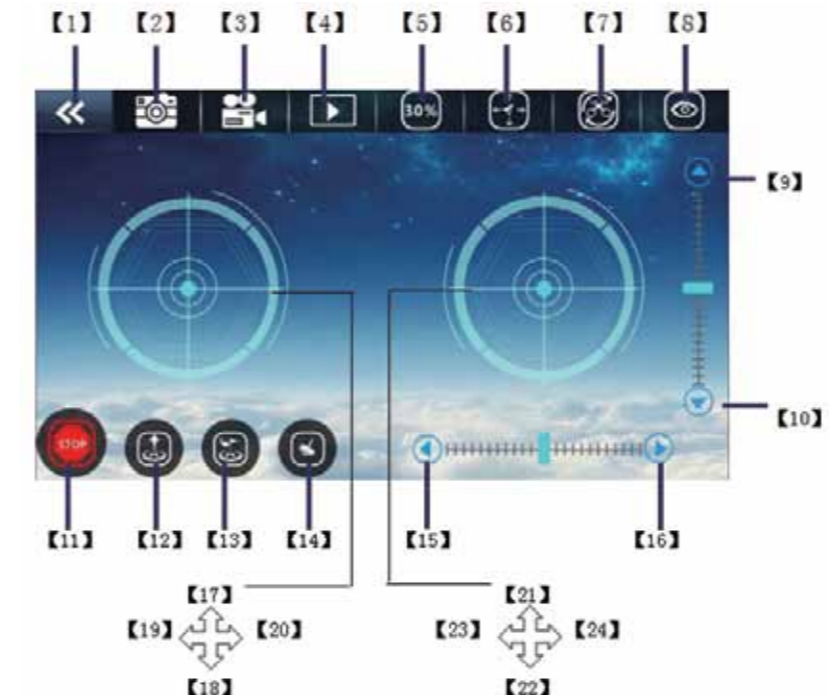
Download software

- For Android users: Go to Google Play and download "HVR-Avadrone" app.
- For iPhone users: Go to App Store and download "HVR-Avadrone" app.
- Once downloaded and installed, turn the power of the Drone on. The drone will have indicator lights that start flashing. This will indicate the drone is ready to connect to your smartphone.
- On your smartphone, go to WIFI settings. Make sure your WIFI is on. In the list of available devices, you will see a signal that starts with "HO-". Select this WIFI signal. You should see a successful connection. Drone will stop flashing when a successful connection is made.
- Open app on your smartphone and select "TAP TO BEGIN"



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Function instruction



- [1] Return [2] Take photo [3] Video record [4] Photo&video playback [5] speed
- [6] headless mode [7] Flip fly [8] Show/Hide control interface [9] Fine tune forward
- [10] Fine tune backward [11] Stop [12] one button take off and landing
- [13] one button fly back [14] Motion control [15] Fine tune left [16] Fine tune right
- [17] Ascend [18] Descend [19] Turn left [20] Turn right [21] Forward [22] Backward
- [23] Slide left [24] Slide right

headless mode



- Press "TAKE OFF" button, the drone fly automatically 1.5m (Altitude depending on the pressure setting) and now you can control the drone. If you need to continue to ascend, press and hold the joystick to control the ball to move and release the throttle; Automatic control of the ball, the drone automatically hover at the height of this time.
- Press the LANDING icon to automatically landing. In case of emergency, press STOP the drone will stop at once.

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- The right control central button can control the forward / backward / left / right side of the drone or press the button can, use the Motion control on the phone control direction.
- When the drone is far away from you can press this button, and the drone can quickly return to the operator's position. You can use the fly side leftright button control the drone when it fly back.
- Drone can connect multiple phones at the same time, the first mobile phone to control the flight of the drone, the other can, Press ON button hide the interface then can view images captured by the drone's camera and save them in the phone.

Intelligent Flight / ordinary flight shift

The default of this drone is ordinary flight mode. This can be changed to smart headless mode by clicking on the button. You will need to set this up prior to flying your drone. If you use headless mode, you are stating your mobile point, will be the direction of the drone. This can be switched back to Ordinary flight mode by simply selecting the button again.

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Performing stunts

Press the button to achieve a 360 degree flip. By pushing on the right joystick at the same time as the button, you will indicate the direction of the stunt. i.e. If you pull the right joystick backwards, you will do a back flip, forward would do a forward flip, and to the right or left will barrel roll.

Warning: Bumper Guards

- It is recommended to attach the provided bumper guards prior to use
- These guards are provided for an additional element of protection – however, they are NOT A GUARANTEE so please fly your drone carefully
- Avoid objects, ensure you fly your drone in an open, unobstructed area