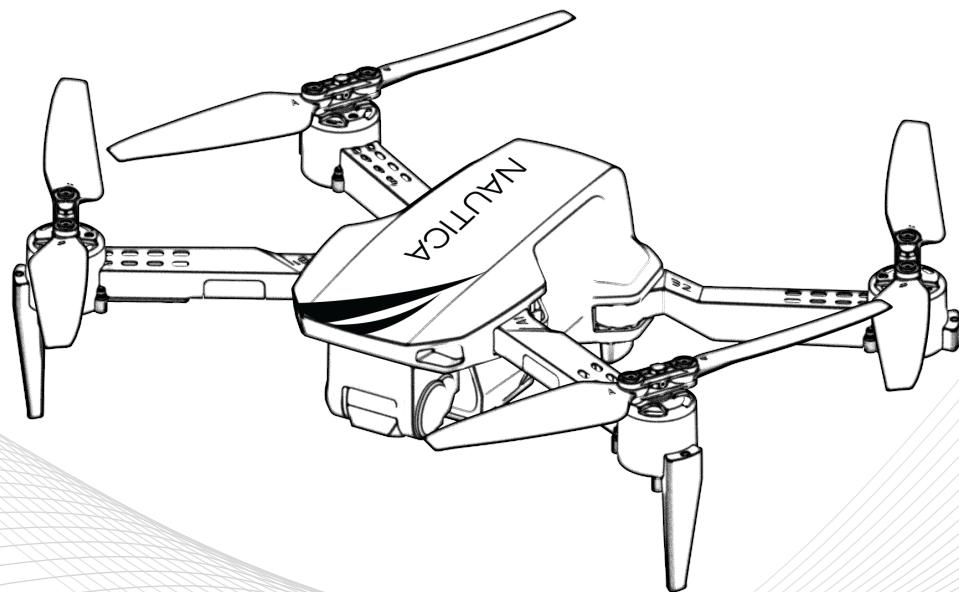
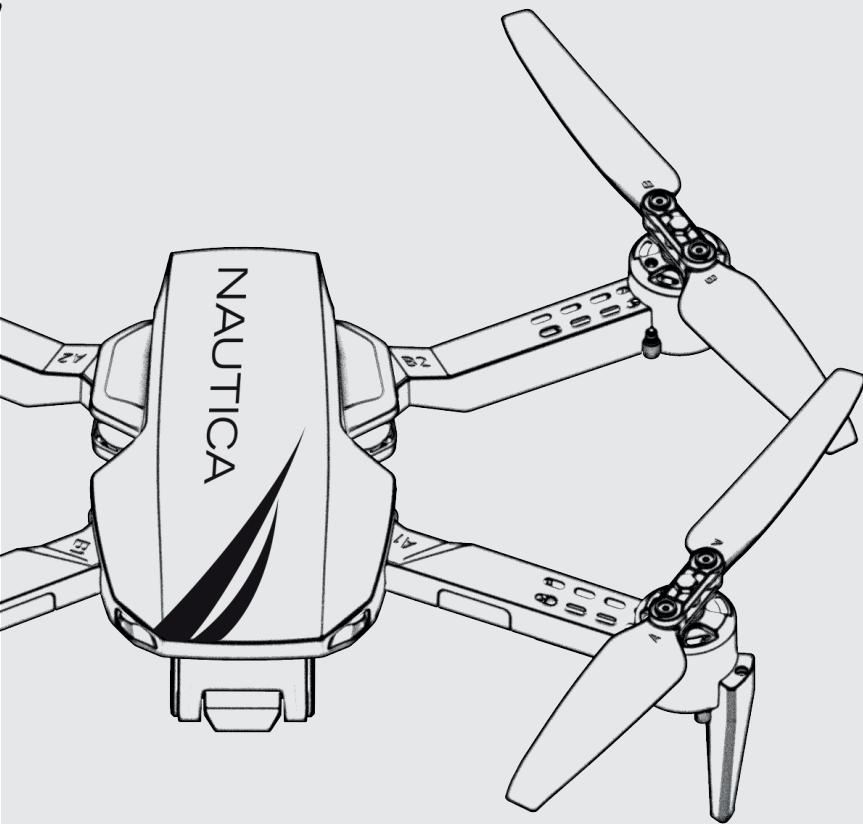


# NAUTICA

## AERO

NTDR01





Thank you for purchasing an original  
**Nautica Aero - NTDR01**

You are getting a high-quality product that's built to combine technology and design for your everyday use.

Please read the below info carefully to get the most out of your new product.

***This guide is ENGLISH only. For other languages and more detailed info on care, use and warranty, please visit [technofashion.com](http://technofashion.com)***



# WHAT'S IN THE BOX



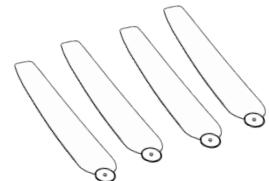
NAUTICA  
AERO NTDR01



REMOTE  
CONTROLLER



MICRO USB  
CHARGING CABLE



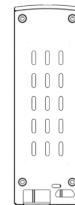
PROPELLERS  
(X4)



PROPELLER  
GUARDS (X4)



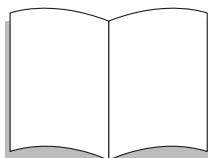
PROPELLER  
MOUNTING TOOL



REPLACEABLE  
BATTERY (X2)



CARRYING  
BAG

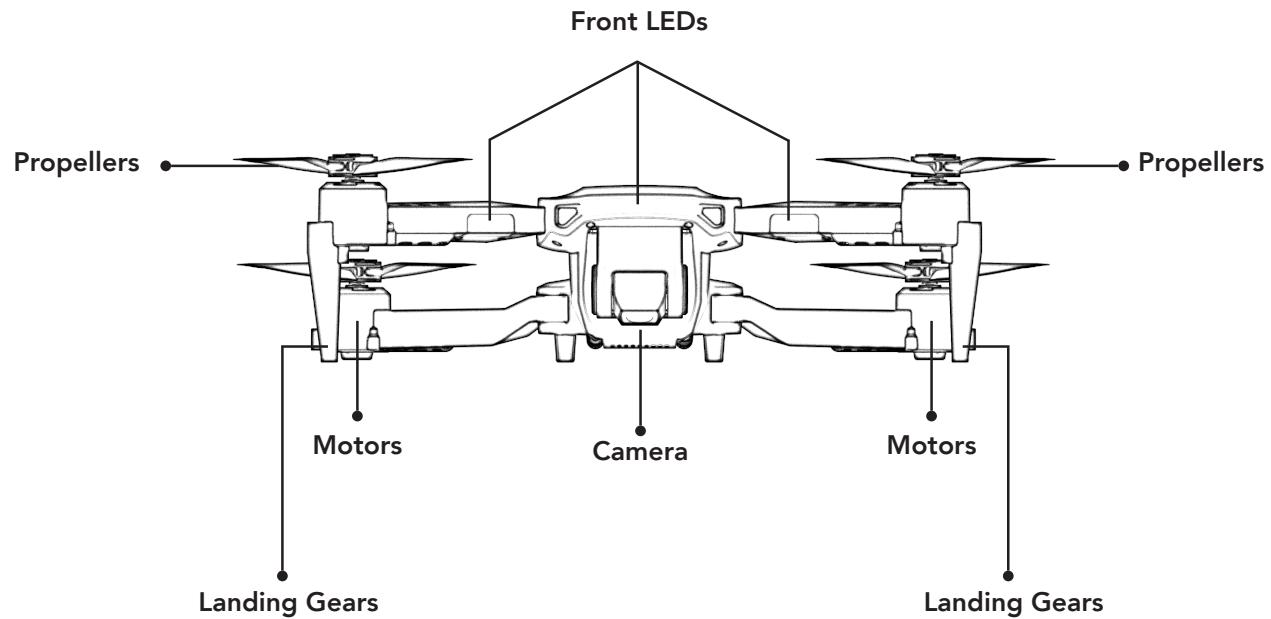


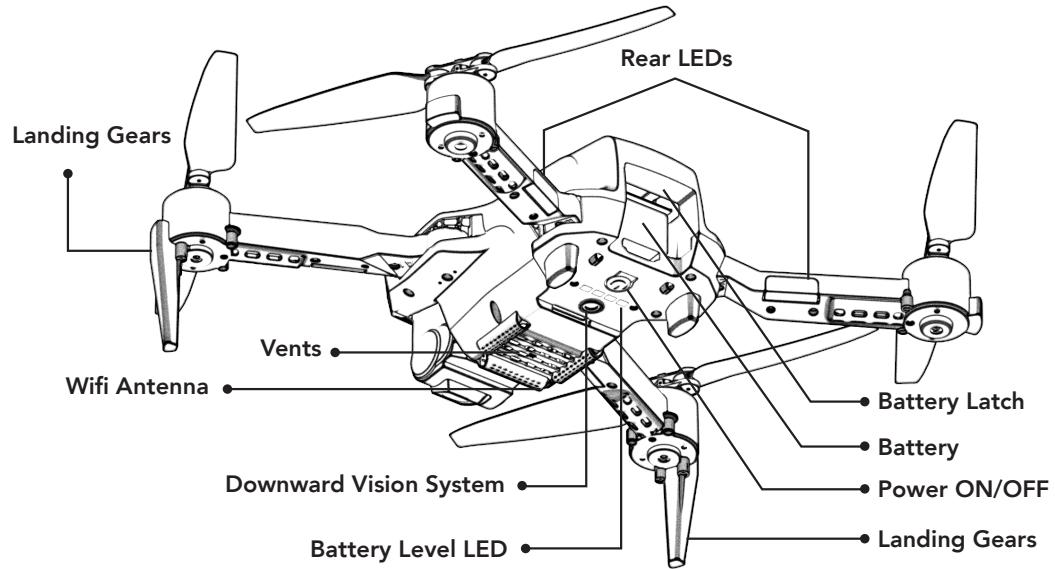
USER'S  
MANUAL



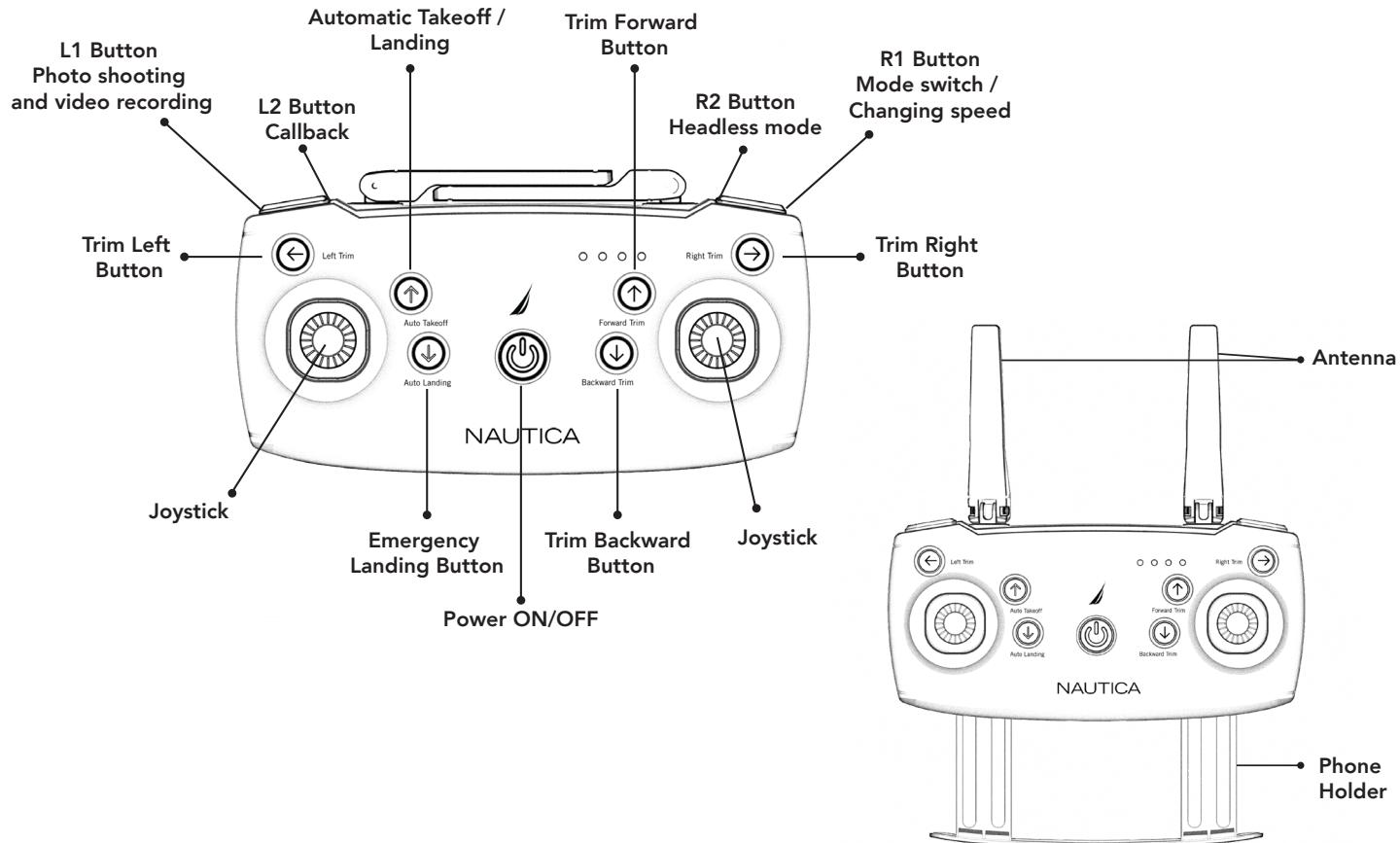
# HOW TO USE AERO NTDR01

## AIRCRAFT DIAGRAM





# REMOTE CONTROLLER DIAGRAM



# HOW TO PREPARE FOR FLIGHT

## Installing the Propeller

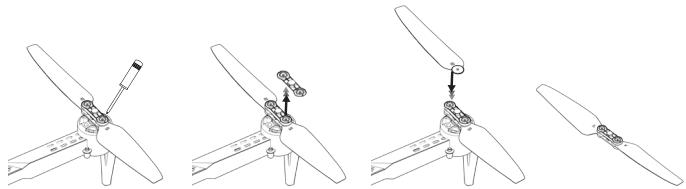
Your Nautica Aero NTDR01 comes with pre-installed propellers, you would not need to install them prior to your first flight.

If you need to replace the propellers, however, follow these steps:

1. Loosen the propeller holding apparatuses with the help of the included mounting tool, as shown in the image.
2. Displace the old propeller and put the holding apparatus back onto the new propeller.
3. Make sure the new propeller is locked by screwing the apparatus back.

 Pay attention to the correct placement of the propellers to ensure that your drone can takeoff successfully. Incorrect placement of the propellers will hinder your drone's ability for flight.

 Your NauticaAero NTDR01 comes with 4 extra propellers to ensure you will be able to replace them in a situation of breakage or loss.

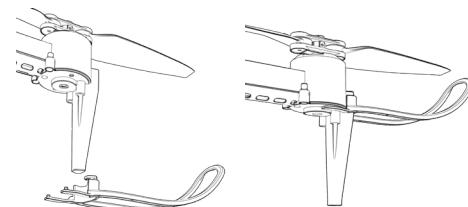


## Installing the Propeller Guards



Four propeller guards included in the package ensure that your drone's propellers are protected from damages in any unexpected hits or crashes.

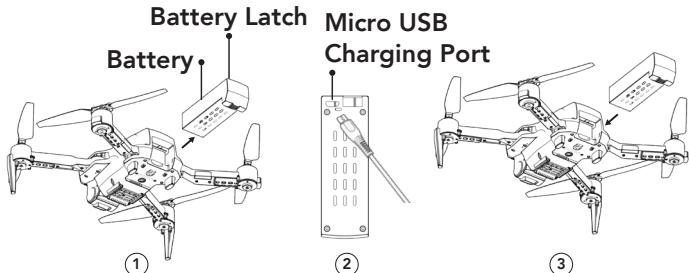
1. Place the propeller guards to each wing as shown in the image.



## Installing and Recharging the Battery

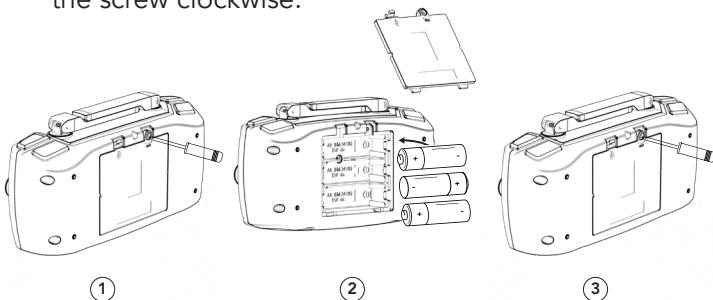
Your Nautica Aero NTDR01 comes with the battery pre-installed and fully charged. When you need to recharge the battery, follow the steps below.

1. Push the battery latch and pull the battery out of its compartment.
2. To recharge the battery, insert one end of the included micro USB charging cable to the battery and the other end to a 5V adapter or an operating computer with a USB charging port. It will take approximately 4 hours the battery to be fully charged.
3. After charging is completed, slide the battery into its compartment back as shown in the image, until you hear a clicking sound. Ensure that the latch at the rear of the battery is completely locked.



## Installing the Remote Controller

1. Open the battery compartment of the remote controller by turning the screw counterclockwise.
2. Insert the 3\*1.5V alkaline batteries (not included) to the battery compartment, as shown in the image. Pay attention that the batteries are correctly placed according to their positive and negative magnetic poles.
3. Lastly, close the battery compartment by turning the screw clockwise.



## Downloading the Application

Easily download the Nautica AERO application to your smartphone for free via scanning the below QR codes. Keep in mind that you need a QR code reader application on your smartphone to be able to scan the codes. Search Google Play or Apple Store for a free QR code reader to install if you do not already have one installed in your smartphone.

The Nautica AERO application enables you to control your drone via your smart device. For more information on how to control your drone via the Nautica AERO app, please consult the "How to use Nautica AERO app" section of this manual.



## Before the Flight

Prior to piloting your Nautica Aero NTDR01 please read the following guidelines and recommendations.

- Make sure that you have authorization to pilot the Aero NTDR01 in the area you intend to fly. In some areas flying a drone is not permitted, such as military bases, parks, cities and airports.
- Check local regulations prior to flying. You are required to keep visual contact with your drone, do not take your drone out of line of sight.

- Check local regulations regarding Wi-Fi and wireless networks.
- Check local regulations regarding video recording, storage and use.
- Local regulation may require a license or specific documents in order to pilot the Nautica Aero NTDR01.
- Check the propellers carefully and make sure they are correctly and securely installed.
- Before taking your drone off, practice with the remote controller for some time. This will help you experience the sensitivity of the remote beforehand.
- Make sure to calibrate your Nautica Aero NTDR01. See below for instructions on how to calibrate your drone.

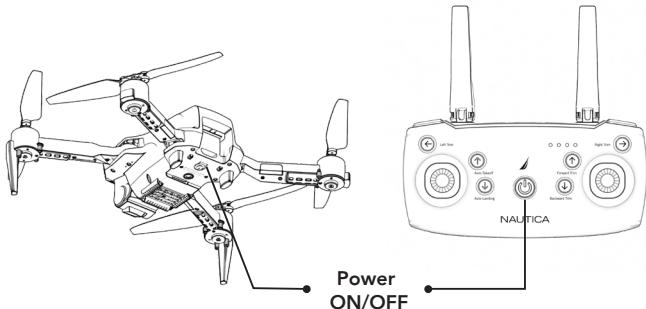


## PREFLIGHT CAUTIONS

- Do not pilot your drone at night, or in rainy, snowy, foggy and windy weather.
- Do not pilot your drone over water.

## Connecting Your Drone With Remote Controller

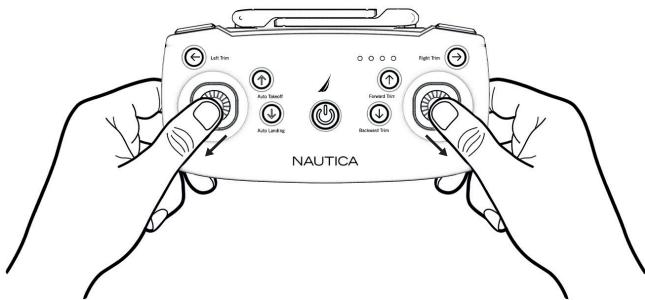
When you turn your Nautica Aero NTDR01 and its remote controller ON by switching the power buttons, they will automatically pair with each other.



## How to Calibrate Your Drone

After turning your drone and the remote controller ON, place the former to a flat surface. As shown in the image, pull back the joysticks simultaneously towards the outer corners.

After the sound beep, the LEDs of the drone will flash for 2 seconds, indicating that your Nautica Aero NTDR01 has been calibrated and is ready to takeoff.



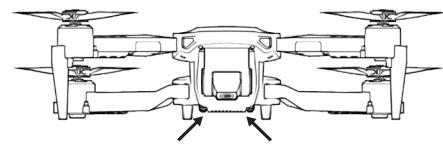
# HOW TO FLY NAUTICA AERO NTDR01

## Flight With Remote Control

Make sure the drone and the remote controller are both ON and connected and your drone is calibrated as explained above. Also make sure you read all instructions above for flight preparation and other instructions in the "Safety and Maintenance" section of this user manual.



Pay attention to the direction of your drone before the flight. The front of the drone is where the main camera is located, as shown in the image.



When taking off, the rear should be faced towards you, while the front should direct forward.



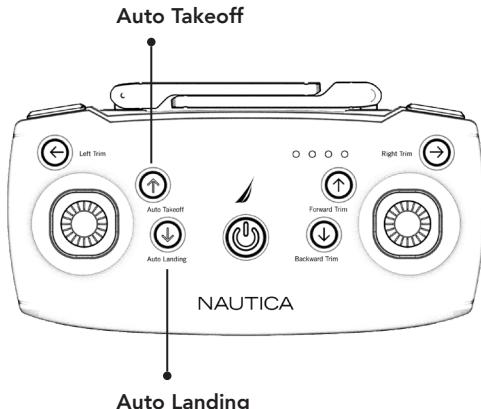
The optimum flight duration is 13-14 minutes.



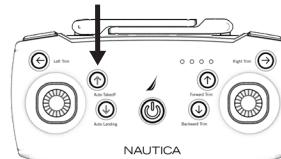
The range of the remote controller is 164 ft /50 m max. Bear in mind that the drone may not return to home in the event that it exceeds this range.

## Automatic Takeoff and Landing

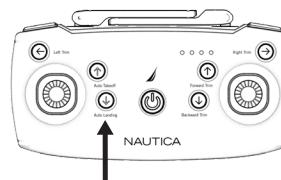
1. Place Nautica Aero NTDR01 on a flat and dry surface.
2. Push the automatic takeoff/landing button on the remote control. Your drone will takeoff and hover at about 5 ft / 1.5 m from the ground.
3. If you push the left joystick forward, the drone will gain altitude while it will lose altitude if the left joystick is pushed backward. When you leave the left joystick ensuring that it goes back to its original position, the drone will remain steady at its current location.
4. During the flight, push the automatic takeoff/landing button once more to enable your drone to



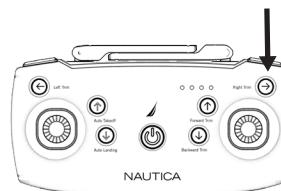
## Movements and Trim



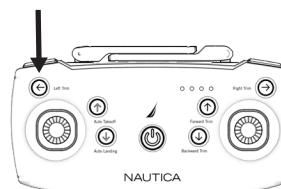
**Auto Takeoff:** Drone will takeoff from the ground for about up to 5 ft/1.5 m high and stay suspended in the air.



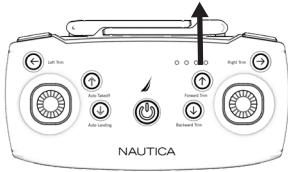
**Auto Landing:** Drone will securely land in the closest surface while in the air. When pushed for a while, drone will throttle and make an emergency landing.



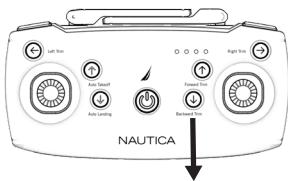
**Trim Right:** Drone will trim right while moving left.



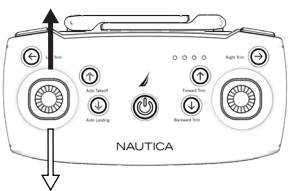
**Trim Left:** Drone will trim left while moving right.



**Trim Forward:** Drone will trim forward while moving backward.

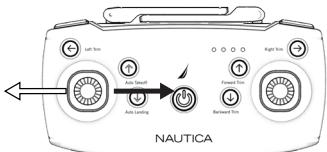


**Trim Backward:** Drone will trim backward while moving forward.

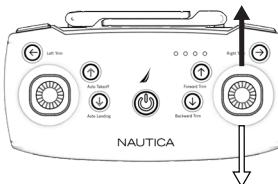


**Left joystick pushed upward:**  
Drone will ascend.

**Left joystick pulled back:**  
Drone will descend.

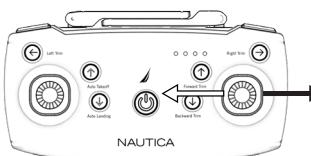


**Left joystick pushed left or right:** Drone will turn left or right.



**Right joystick pushed upward:** Drone will move forward.

**Right joystick pulled back:**  
Drone will move backward.



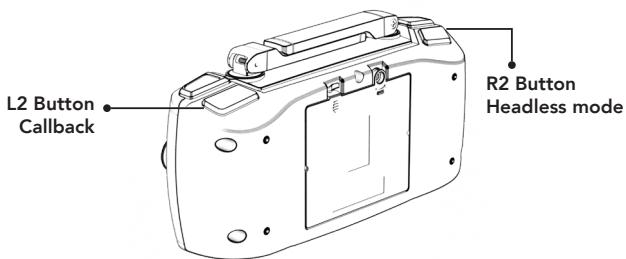
**Right joystick pushed left or right:** Drone will move left or right.

## Headless Mode

When R2 button is pushed on the remote controller, the headless mode becomes activated. In this mode, the drone starts to move in accordance with the directions commanded by the remote. The camera direction is not recognized by the drone anymore.

## Callback

This feature enables your drone to fly back to the location of the remote controller.



## Mode Switch / Changing Speed

The R1 button of the remote controller enhances wind resistance of your drone or enables you to make sharper movements.

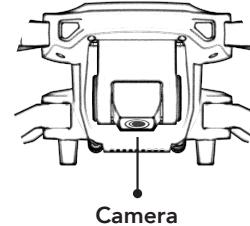
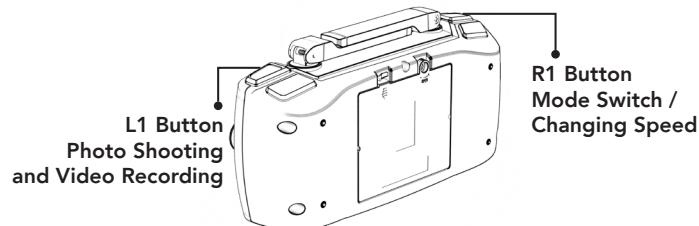
The default speed mode of Nautica Aero NTDR01 is 30%. The R1 button pushed once, the speed increases to 60%, with the device delivering two beep-sound notifications. Pushed once more, the R1 button enhances the speed to maximum of 100%, notifying the pilot with a three beep sounds.

At the maximum speed, push R1 button once more to go back to 30% speed level, with one-beep notification sound.

## Photo Shooting and Video Recording



The camera is located at the front on the Nautica Aero NTDR01. The camera located under the drone is for stabilization only. Hit the L1 button once for taking a photo. Push and hold the L1 button for starting to record a video.

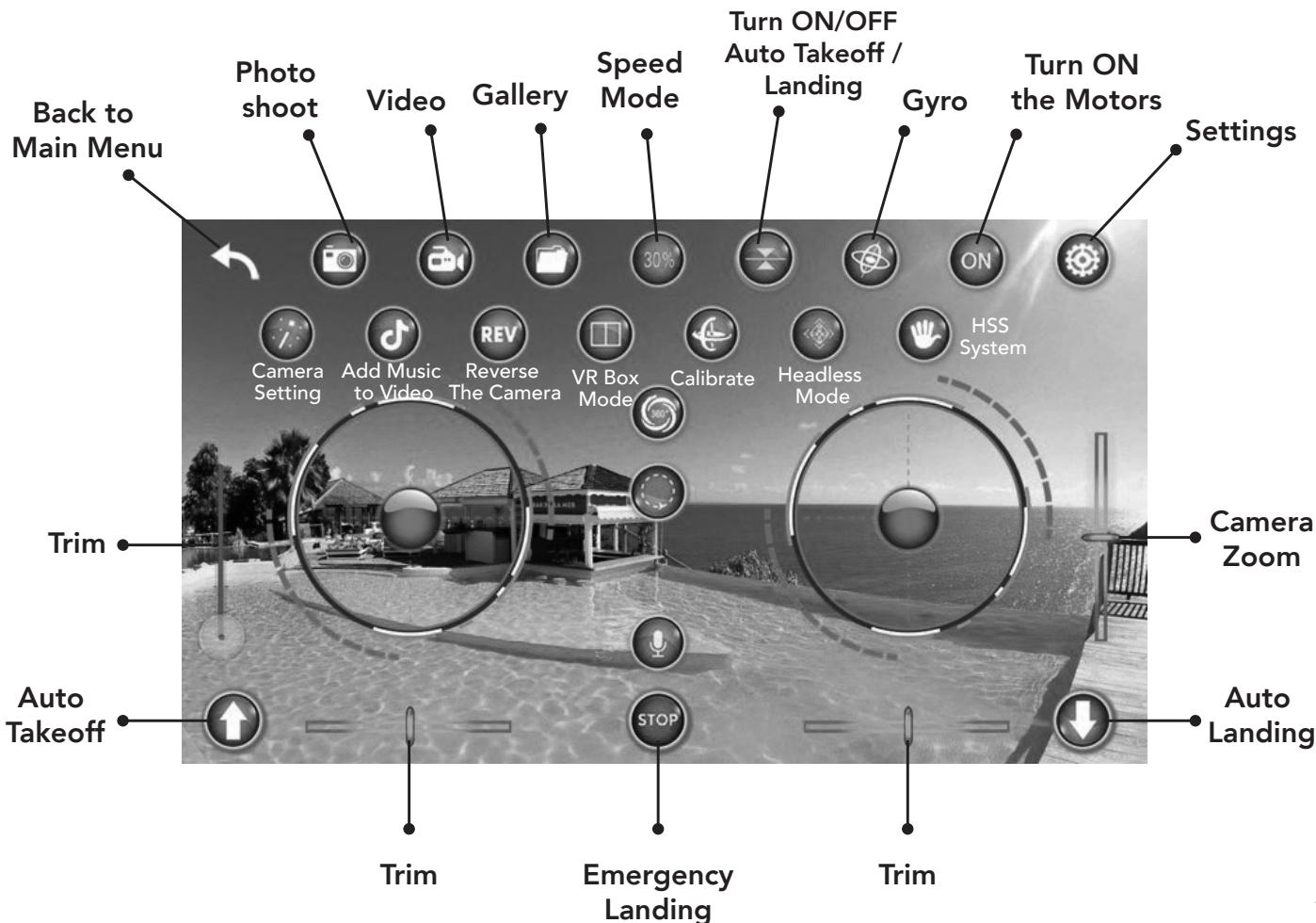


## Flight With Smartphone

If you wish to fly and navigate your Nautica Aero NTDR01 with your smartphone rather than the remote controller, follow these guidelines.

Make sure you installed the Nautica AERO app on your smartphone, as explained in the “Downloading application” section of this manual.

1. Turn your drone ON by switching the POWER button.
2. Turn on the Wifi connection on your smartphone, then select NAUTICA-NTDR01-\*\*\*\*\* from the available connections list.
3. Enter the application once the connection between your device and the drone has been established.
4. You will come up with a screen like this:



## Auto Takeoff and Landing

Turn ON the autopilot function by tapping TURN ON AUTOPILOT button. Auto takeoff and landing buttons will appear on the screen (see the image Application Screen).

## Movements

First tap the ON button and it will activate the joystick function on the application. (See the image Application Screen). Use these virtual joysticks just as the physical ones on the remote control to navigate the movements of your drone. Consult "Movements and Trim" section under "Flight with Remote Control" to understand how to use joysticks for controlling drone movements.

## Photo and Video Shoot With Hand Sense

The Hand Sense system of Nautica Aero NTDR01 enables you to take photos and videos with your hand movements during the flight and lets these images to be saved on your smart device.

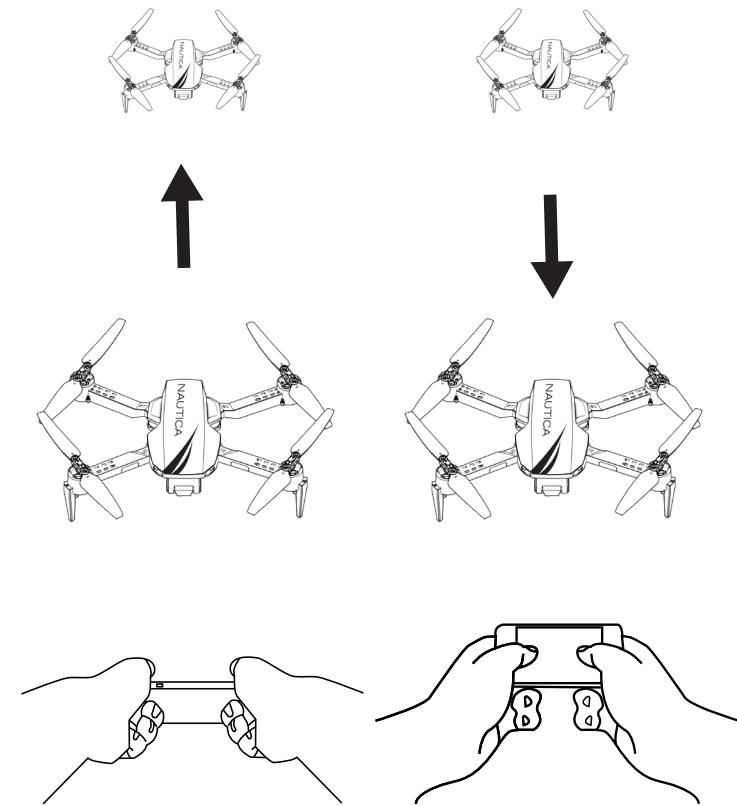
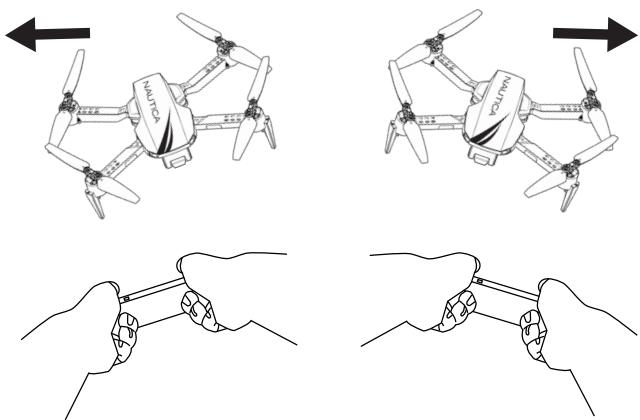
In order to enable this function, go to Settings as shown in the previous image (See Flight with smartphone section) and choose. You will then see a frame on the screen after turns yellow.

Show your hand with your palm open to the camera  , placing it in the frame on the screen. The camera will shoot a photo after 3 seconds.

Show your hand to the camera making a fist  , placing it in the frame, and the camera will start video-recording after 3 seconds.

## Gyro

Another way of controlling your drone's movements is activating "Gyro" by tapping on the related button on the application screen. It enables to control drone movement by tilting your smartphone.





## TECHNICAL SPECIFICATIONS

Input	4.2V / 0.6A
Battery Capacity	1800 mAh
Max Flight Time	up to 14 min
Video Resolution	HD 1080p
Max Speed	11.1 mph (5 m/s)
Camera Resolution	2MP
Max Transmission Distance	up to 70 m
Max Video Transmission Distance	up to 20 m
Autopilot Take Off and Landing	Yes
Emergency Landing	Yes
Flight Modes	3 modes
Palm Shutter	Yes
Foldable Design	Yes
Product Dimensions	14*12.4*2.75 in / 355*315*70 mm
Product Weight	7.58 oz / 215 g
Charging Port	Micro USB

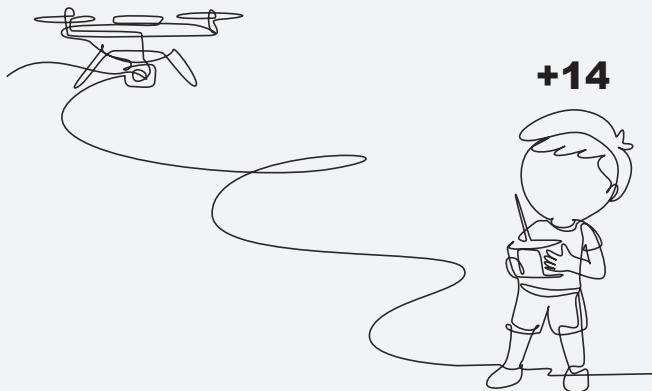


# SAFETY AND MAINTENANCE



## **WARNING**

**Not suitable for ages 14 and under.**



Before using your Nautica Aero NTDR01, read the following precautions carefully to ensure optimal product performance.

This product is a toy that should be used with care and safety. Please use the product according to the specified instructions and do not attempt to repair it without professional assistance.

Do not expose your Nautica Aero NTDR01 and its electronic parts to extremely hot (fire, direct sunlight, etc.) or cold conditions.

Extreme temperatures may cause the unit to explode or overheat which may in turn result in lower performance and a shorter life span.

Also avoid applying high pressure or penetration to the unit with sharp objects.

Do not touch the charging port of the product with wet hands.

Do not use damaged charging cables or power sockets to charge your device.

Keep the charging port dry as liquid leaks may cause the device to short-circuit.

Avoid dropping your product as it may cause damage on the device.

Keep your product and its accessories away from air bags. Comply with the applying local rules when disposing of this product.

Keep in mind that unused devices for a long period of time may run out of battery. In such case the device should be recharged.

Do not twist or squeeze the product too heavily as it may cause damage.

Keep the device away from dust and any kind of physical hit and avoid dropping it.

Also, using the device for a long period of time may cause sweating. Make sure to dry your device with a soft and clean cloth after using it for an extended time.

Do not modify, disassemble and attempt to repair this product. Repairs to electrical equipment should only be performed by a qualified electrician.

Improper repairs may place the user at serious risk.

Do not pilot your drone at night, or in rainy, snowy, foggy and windy weather. Do not pilot your drone over water.



# WARRANTY INFORMATION

We do our best to make sure that this product is free from defects in materials and workmanship for a period of 1 year.

The following conditions must be met for your warranty claim to be approved:

You must have purchased the product from a Nautica or Technofashion authorized dealer.

You must provide proof as to the date of purchase from the Nautica or Technofashion authorized dealer.

You must have used the product only as intended and in accordance with the product's care instructions.

Within 12 months after the purchase, in case the product is determined to be defective (at the date of original purchase) due to improper materials or workmanship, you are entitled to free repair or exchange of goods. The product should be returned to Technofashion.

The warranty does not cover defects caused by third-party modifications, repairs or replacement parts.

Punctures, scratches, normal wear and tear and the natural breakdown of colors and materials over extended time and use are not warranted. Warranty applies to the USA only.

We will make every effort to replace limited edition or discontinued products but cannot guarantee availability for replacement.

Any limited edition or discontinued product still under its applicable warranty that cannot be replaced with an identical product will be replaced with the equivalent model based on availability.

We may make changes to products and designs in the time you purchased your product and submitted a warranty claim.

Products repaired or replaced under this warranty may or may not incorporate these changes.



## SUPPORT

For any questions, email us at  
[support@technofashion.com](mailto:support@technofashion.com)

### FCC ID: 2AZBO-N00014

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.

This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver.
- Connect the device 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. Changes or modifications not expressively approved by the party responsible for compliance could void the user's authority to operate the equipment.

The distance between user and products should be no less than 20 cm.

# NAUTICA

designed, manufactured, distributed by

TECHNOFASHION

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