Thank you for purchasing the Gladius Mini underwater drone. Please read this entire document carefully before using the drone. By using this product, you hereby signify that you have read this disclaimer and all instructions carefully and that you understand and agree to abide by the terms and conditions herein.

Gladius Mini is a small five thruster underwater drone used for real-time observation, exploration, photography, and video capture. Chasing accepts no liability for damage, injury, or any legal responsibility incurred directly or indirectly from the use of the Gladius Mini in the following conditions:

01. Damage(s) or injuries incurred when users are drunk, taking drugs, drug anesthesia, dizziness, faqte, nausea and any other conditions no matter physically or mentally that could impair your ability.
02. Damage(s) or injuries caused by subjective intentional operations.
03. Any mental overcompensation caused by accident.
04. Failure to follow the guidance of the manual to assemble or operate.
05. Malfunctions caused by refill or replacement with non-Chasing accessories and parts, or unauthorized modification, disassembly, or shell opening not in accordance with official instructions.
06. Damage(s) or injuries caused by using third-party products or fake Chasing products.
07. Damage(s) or injuries caused by misoperation or subjective misjudgment.
08. Damage(s) or injuries caused by mechanical failures due to erosion, aging.
09. Damage(s) or injuries caused by operating the unit with a low battery alert.
10. Damage(s) or injuries caused by operating the drone out of maximum safe range and depth.
11. Damage(s) or injuries caused by knowingly operating the product in abnormal conditions (such as the assembly is not completed, or the main components have obvious faults, obvious defect or missing accessories).
12. Damage(s) or injuries caused by operating the drone in a sensitive zone such as a military area or private waters without official permission.
13. Damage or injury caused by using in bad water conditions (such as high winds, or turbid zone).
14. Damage or injury caused by uncontrollable external factors, including severe collision, tidal wave, swallowed by animal.
15. Damage(s) or injuries caused by infringement such as any data, photo or video material recorded by the use of the Gladius Mini.
16. Other losses that are not covered by the scope of Chasing's liability.

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GLADIUS MINI is a small five thruster underwater drone used for real-time observation, exploration, photography, and video capture. Its body imitates that of a submarine, and its unique design lets the GLADIUS MINI move quickly with speeds up to 2m/s (3.89 Knots). It has a depth-lock mode and a self stabilizing mode. The drone can move up and down vertically and can tilt ±45°. It can dive up to 100 meters (330ft) and has a high-definition camera for shooting photos and videos. The drone is easy to operate and its small size allows it to be carried in a single backpack. It has a battery life of approximately 2 hours. Whether you’re diving, fishing, taking underwater photography, or yachting, the GLADIUS MINI is your best choice.

**Base Station**

The base station is used to send and receive data to and from your drone. It connects directly to the drone via the included tether and connects wirelessly to your mobile phone/tablet via Wi-Fi. This allows the drone to display a live video feed on your phone/tablet and be controlled in real-time. The base station’s HDMI output can also be used to display a live video feed to a larger television/monitor.

**Indicator Lights**

- **Battery Icon**: Base station battery indicator with three color states:
  - (Red: less than 25%)
  - (Yellow: 25~75%)
  - (Green: 75~100%)

- **2.4G**: 2.4G Wi-Fi indicator, always on when working.

- **5G**: 5G Wi-Fi indicator, always on when working.

- **ROV (Drone)**: Indicates the communication status between the base station and the drone. Steady light indicates successful connection. Blinking light indicates that the base station and drone are NOT connected.

**Note**: To avoid damage, DO NOT put base station in water.
**Tether & Winder**

The tether is used to connect the drone and the base station. The winder is used to store the tether.

**Remote Controller**

The remote controller is used to control the drone. It connects wirelessly via Bluetooth to your mobile phone/tablet. The remote controller’s phone/tablet mount supports devices ranging from 5 inches to 10.5 inches.

**Warning:**

To avoid damage, do not put exposed (unconnected) tether connectors into water.

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**Remote Controller**

- **Power Switch:** Turns controller on/off.
- **Mode Switch:** Press to switch between depth-lock & self-stabilizing modes.
- **Bluetooth Indicator:** Light is solid on when Bluetooth is connected. Light flashes when not connected or when charging.
- **Power Indicator:** Each LED represents 25% of the controller's battery. When all four lights are on the battery is fully charged.
- **Unlock/Lock:** Unlock/Lock the motors.
- **Lanyard Attachment:** If desired, a safety lanyard can be attached here to prevent the controller from falling.

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**Phone/Table Mount**

- **Phone/Table Mount:** Supports devices from 5 inches to 10.5 inches.
- **Adjustable Nut A:** Used to attach phone/tablet mount to mounting bracket.
- **Adjustable Nut B:** Used to adjust mounting bracket angle.
- **Adjustable Nut C:** Used to secure mounting bracket to controller.
- **Built-in Tool:** Stored in bracket arm and used to tighten/loosen Adjustable Nut B. Tool can be removed from bracket arm by either set of points.

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**Note:** Do not put the controller in the water to avoid damaging the device.
Phone/Tablet Mount Assembly

1. Insert the mounting bracket into the mounting slot on the back of the controller.
2. Place nut over mounting bracket swivel ball. Then snap mounting bracket onto phone/tablet mount and tighten nut.
3. Insert phone/tablet and adjust to desired position.
4. Insert and tighten mounting bracket screw (M5*8).
5. Remove the nut on the back of the phone/tablet mount.

Introduction

Download CHASING MINI App
CHASING MINI App: To download, scan the below QR code or visit the iOS App Store / Google Play. (For iOS 9.0/Android 4.4 and above)

Connect Drone with Base Station
Insert one end of the tether into the drone and the other end into the base station. Securely hand-tighten both nuts.

Turn on Base Station
Locate the power switch on the back of the base station and turn it to the ON position (I is ON, O is OFF). After a few seconds, the base station power indicator lights up, 5G or 2.4G, and the drone LED lights will flash, accompanied by two self-test sounds.

Wi-Fi Connection
On the Phone/Tablet, go to Wi-Fi settings. Wait for 5-10 seconds and the Gladius_5G_xxxxx network will appear as an option. Click to connect and enter the Wi-Fi password: 12345678.

Warning: If desired, press the “reset” button of the base station to switch to Gladius_2.4G_xxxxx Wi-Fi network.

Warning: Extra O-rings are included in the parts bag.
Turn on Controller
Turn the controller’s power switch to the ON position.

Connecting Controller and Mobile Phone
1) Open the CHASING MINI App on the phone/tablet to automatically establish a Bluetooth connection between the phone/tablet and controller. Check the Bluetooth indicator on the controller for connection status. A solid ON light indicates a successfully connection.

Installing Buoyancy Weight
Use screwdriver (not included) to change between the Seawater and the Freshwater buoyancy weight.

Installing Wi-Fi
1) Connect one end of the tether to the drone and the other end to the base station.
2) Switch base station power to ON.
3) On phone/tablet, go to Wi-Fi settings and find Gladius_5G_xxxxx or Gladius_2.4G_xxxxxx and select network.
4) Input the password: 12345678.
The Gladius Mini has 8 states: ascending, decending, left turn, right turn, forward, backward, lowering the head, and lifting the head. See details below on how to use the remote controller to navigate.

Ascending/Decending
- Right joystick up and down
- Left joystick left and right
- Left joystick up and down
- Scroll the right wheel to left for lowering the head, to right for lifting the head

Turn Left/Right
- Forward/Backward
- Lowering the head/Lifting the head
- Scroll the right wheel to left for lowering the head, to right for lifting the head

Supports customization

Base Station:
- Use the 3A Power Cord with 3A Power Adapter to charge the Drone.

Base Station: Use the 3A Power Cord with 3A Power Adapter to charge the Drone.

Drone: Use the 3A Power Cord with 3A Power Adapter to charge the Drone.

Note: The default remote controller mode in the CHASING MINI App is Japanese hand. You can switch to American hand or customize in the app.

Specifications

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>&lt;0.88 lbs</td>
</tr>
<tr>
<td>Battery Capacity</td>
<td>29.25Wh (2500mAh)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>≥6h (depending on the environment)</td>
</tr>
<tr>
<td>Battery Cycle</td>
<td>&gt;300 times</td>
</tr>
<tr>
<td>HDMI Output</td>
<td>Yes</td>
</tr>
<tr>
<td>Micro SD (TF) Memory Recording</td>
<td>Yes</td>
</tr>
<tr>
<td>Size</td>
<td>5.9x4.2x1.8 inch</td>
</tr>
<tr>
<td>Wireless Wi-Fi Distance</td>
<td>≤32.8 ft</td>
</tr>
</tbody>
</table>

Charging Status:
- When charging, the red light on the Power Adapter indicates normal charging in process while the green light indicates a complete charge.
- When charging, the remote controller’s Bluetooth indicator will continue to flash while the Power Status indicator light will turn on as charge increases. Each light represents 25% of the controller’s battery. When all four lights turn on, battery is fully charged.

Remote Controller:
- The remote controller charging cable (5v USB) is included with each kit. Charge for approximately 1 hour.
- Use the 3A Power Cord with 3A Power Adapter to charge the Remote Controller.

Tether & Winder:
- Tether: 2.65lbs (164 ft)/3.97lbs (328 ft)
- Tether & Winder: 50m/100m
Specifications

Maintenance and Precautions

1. Do not turn on the drone's LED lights before entering the water.
2. Rusted screws should be replaced immediately.
3. After each use, rinse the drone with fresh water and dry with an absorbent towel.
4. The base station should be wiped with a cloth. Do not rinse with water.
5. Do not place heavy objects on the drone or accessories to avoid possible damage.
6. People under the age of 16 should only use this drone under adult supervision.
7. Do not expose the drone's motors to water for more than two minutes to avoid wearing out the thrusters.

Support

For more information, contact support@chasing.com or 1-800-557-4933. You can also join the Official Gladius Mini Group on Facebook for official news and app update notifications.

Drone

- **Size**: 15.2 x 8.9 x 5.4 inch
- **Battery Capacity**: 55.5 Wh (5000mAh)
- **Weight**: ~5.5 lbs
- **Frequency**: 5.8 GHz
- **Operating Temperature**: -10°F - 140°F
- **Maximum Depth**: 328 ft
- **Maximum Speed**: 45k (2m/s)
- **Maximum Roll Speed**: 24k (1m/s)
- **Maximum Pitch Speed**: 20k (1m/s)
- **Battery Life**: 2h (max speed at sea depth mode)
- **Battery Cycle**: >350 times

Remote Controller

- **Working Frequency**: 2.4 GHz - 2.485 GHz
- **Wireless Distance**: ~32.8 ft
- **Charging Time**: 2h
- **Battery Life**: 5h

Sensor

- **IMU**: Three-axis gyroscope/acceleration/compass
- **Depth Sensor**: +/-1.64 ft
- **Temperature Sensor**: +/- 35.6°F

Camera

- **CMOS**: 1/2.3 inch
- **Aperture**: F3.0
- **Focal Length**: 4.0mm
- **ISO Range**: 100 - 3200 (still camera only)
- **Field of View**: 95°
- **Maximum Image Resolution**: 12M (4000*3000)
- **Image File Types**: JPEG/DNG

Video Resolution

- **Video Maximum Stream**: 60fps
- **Video Type**: H.264
- **SD Card Memory**: 64G

Adapter

- **Adapter**: 3A/12.6V
- **Drone Charging Time**: 2h
- **Base Station Charging Time**: 1h

Note: Maximum Image Resolution

Note: To view battery status indicator while charging, remote controller must be ON.

Charging Protection

- Only use the official standard adapter.
- Red light means charging.
- Green light means the charge is complete.
- Unplug the adapter when charging is complete.

Thrust/Propeller

After use, clean the attachments on the thrusters (make sure the drone is completely off). Rinse with fresh water and dry with a dust-free cloth.

Tether

Before use, check for water on the tether connectors. Make sure there is no water in the tether.

Battery Protection

- Do not run out of battery power.
- Do not charge battery power at less than 20%.
- Do not let the drone battery power drop below 20%.

Navigation Safety

- Do not dive more than 330 ft.
- Open sea navigation
- Do not enter water without a suitable vest
- Do not run without a radio signal
- Do not run the drone without a suitable vest

Video

- Do not run out of battery power
- Do not dive more than 330 ft
- Open sea navigation
- Do not enter water without a suitable vest

Support

For more information, contact support@chasing.com or 1-800-557-4933. You can also join the Official Gladius Mini Group on Facebook for official news and app update notifications.

Other

1. Do not dive on the drones LED lights before entering the water.
2. Rusted screws should be replaced immediately.
3. After each use, rinse the drone with fresh water and dry with absorbent towel.
4. The base station should be wiped with a cloth. Do not rinse with water.
5. Do not replace heavy objects on drone or accessories to avoid possible damage.
6. People under the age of 16 should only use this drone under adult supervision.
7. When not in use, do not expose drone and accessories to sunlight. Store it in a cool place or in a special box.
8. Chloride or other chemicals can erode Gladius Mini. Do not use if pool contains high chlorine levels.
9. Do not run drone motors out of water for more than two minutes to avoid wearing out the thrusters.

Support

For more information, contact support@chasing.com or 1-800-557-4933. You can also join the Official Gladius Mini Group on Facebook for official news and app update notifications.
Quick Start Guide

Main Components

- Drone
- Base Station
- Remote Controller
- Tether and Winder

Installation & Connection

1. Download CHASING MINI App
   CHASING MINI App: Scan the QR code to the right or visit the iOS App Store / Google Play to download. (For iOS 9.0/Android 4.4 and above)

2. Connect Drone and Base Station
   Insert one end of the tether into the drone and the other end into the base station. Securely hand-tighten both nuts.
   Note: Check the O-rings on the tether connectors. If they are missing or damaged, please replace.

3. Boot
   Locate the power switch on the back of the base station and turn it to the ON position (I is ON, O is OFF). After a few seconds, the base station power indicator lights up. 5G or 2.4G, and the drone LED lights will flash, accompanied by two self-test sounds.

4. Wi-Fi Connection
   On the Phone/Tablet, go to Wi-Fi settings. Wait for 5-10 seconds and the Gladius_5G_xxxxx network will appear as an option. Click to connect and enter Wi-Fi password: 12345678.
   Note: If desired, press the "reset" button of the base station to switch to Gladius_2.4G_xxxxx Wi-Fi network.

5. Turn on Bluetooth
   On phone/tablet, go to Bluetooth settings and make sure it is set to the ON position.

6. Controller ON
   Switch controller’s power ON. The Bluetooth indicator flashes and the battery indicator lights turn on.

7. Connecting Controller and Mobile Phone
   [iOS]
   Open the app to automatically establish a Bluetooth connection between the phone and controller. A solid light on the Controller’s Bluetooth indicator means the controller is connected successfully.

   [Android]
   Open the app on the phone. Click the ‘start’ button and the controller connection interface will pop up. Click the ‘Connect Controller’ button and wait for the ‘controller is connected’ confirmation. A solid light on the Controller’s Bluetooth indicator means the controller is connected successfully.

8. CHASING MINI App Usage
   When you open the app for the first time, a tutorial is shown to get you started quickly. We recommend you watch patiently. After watching the tutorial, go to the app and you will see the live video feed of the Gladius Mini camera. Click the bottom propeller icon on the app to unlock the propeller controls. Once unlocked, movement of the controller’s joystick will drive rotation of the propellers.

   Since the app will be updated frequently, the quick start guide will not explain the app in detail. For information about the app, go to the app home screen, click the icon in the upper right corner and select help. App details can also be found at www.chasing.com/support.

Charging Guide

Drone
Use the X4 Power Cord with 3A Power Adapter to charge the Drone.

Base Station
Use the X4 Power Cord with 3A Power Adapter to charge the Base Station.

Remote Controller
Use the Remote Controller Charging Cable (1.5m) to charge the Remote Controller. Charge for approximately 1 hour.

Precautions

1. Navigation Safety
   - 330 ft.
   - Do not operate the drone in an area with more than 330 ft.
   - Do not dive

2. Battery Protection
   - Do not run out of battery power
   - Charge it when the power is less than 25%
   - When not in use, keep battery power at 50% - 70%

3. Others
   - Working temperature: 32°F ~ 113°F (-18°C ~ 45°C)
   - Young people under the age of 16 need an adult.

Note: Check the O-rings on the tether connectors. If they are missing or damaged, please replace.