

TEEROK T13-Q20 PRO

TEEROK T13 Mini Drone User Manual with 720P HD Camera

Model: T13-Q20 PRO

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your TEEROK T13 Mini Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. This drone is designed for beginners and children, featuring user-friendly controls and multiple flight modes.

SAFETY GUIDELINES

- **Age Recommendation:** Suitable for users aged 14 and above. Younger children should operate under adult supervision.
- **Environment:** Fly in open, obstacle-free areas. Avoid flying near people, animals, buildings, power lines, or water.
- **Weather Conditions:** Do not fly in strong winds, rain, or snow. Adverse weather can affect drone stability and control.
- **Battery Safety:** Use only original batteries and charging cables. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of swelling or damage.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. The drone includes propeller guards for added safety.
- **Visual Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Emergency Stop:** Familiarize yourself with the emergency stop function to quickly halt propellers if needed.

PACKAGE CONTENTS

Upon unboxing your TEEROK T13 Mini Drone, please verify that all items listed below are present and in good condition:

- TEEROK T13 Mini Drone (x1)
- Remote Controller (x1)
- Rechargeable Drone Batteries (x3)
- USB Charging Cable (x1)
- Spare Propellers (x4)
- Screwdriver (x1)
- User Manual (x1)



Image: Contents of the TEEROK T13 Mini Drone package, showing the drone, remote controller, batteries, and various accessories neatly arranged.

COMPONENT IDENTIFICATION

Drone Overview



Image: The TEEROK T13 Mini Drone, its remote controller, and three rechargeable batteries, illustrating the main components of the product.

- **Propellers:** Four rotating blades for lift and movement.
- **Propeller Guards:** Protective frames around the propellers.
- **720P HD Camera:** Located at the front for photo and video capture.
- **Battery Compartment:** Located on the underside of the drone.
- **Power Button:** On the top surface of the drone.

Remote Controller Overview

- **Left Control Stick:** Controls altitude and yaw (rotation).
- **Right Control Stick:** Controls forward/backward and left/right movement.
- **One-Key Take-off/Landing Button:** Initiates or lands the drone with a single press.
- **Speed Mode Button:** Toggles between different flight speeds.
- **Headless Mode Button:** Activates headless flight.
- **3D Flip Button:** Initiates 360-degree flips.
- **Phone Holder:** Extendable clip to mount your smartphone for FPV view.
- **Power Button:** Located on the remote controller.

SETUP

1. Charge Drone Batteries:

Connect the drone batteries to the USB charging cable. Plug the USB end into a power source (e.g., computer USB port, phone charger adapter). The indicator light on the battery will show charging status. Ensure batteries are fully charged before first use for optimal performance and lifespan. The T13 includes 3 batteries for extended flight time.



Image: Close-up of three rechargeable drone batteries, highlighting their modular design for easy charging and replacement.

2. Install Remote Controller Batteries:

Unscrew the battery cover on the back of the remote controller. Insert 3 AAA batteries into the compartment, ensuring correct polarity. Replace the cover and tighten the screw.

3. Unfold the Drone:

Gently unfold the drone's arms until they lock into position. Ensure all four arms are fully extended.

4. Install Drone Battery:

After fully charging the drone's battery, securely install it by inserting it into the drone's battery compartment until you hear a click sound.

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Video: Demonstrates the unboxing process, including installing batteries into the remote and drone, and connecting the drone to the mobile application. Note: The drone model shown in this video may differ from your TEEROK T13, but the setup steps are similar.

5. Attach Phone Holder to Remote:

Securely attach the phone holder to the top of the remote controller. Place your smartphone into the holder.

6. Download and Connect App:

Scan the QR code provided in the manual or on the packaging, or search for the "Ameta Morpho" app (based on video, please verify the correct app name for TEEROK T13) in your mobile app store (App Store or Google Play). Download and install the app. Navigate to your phone's Wi-Fi settings and connect to the drone's Wi-Fi network (e.g., "AMETA-Morpho-XXXXXX"). Once connected, open the app to establish a connection with the drone.

OPERATING INSTRUCTIONS

1. Power On/Off:

Press and hold the power button on the drone for about 3 seconds to power it on. Do the same for the remote controller. The drone's lights will blink, and the remote will beep until they are paired.

2. Pairing:

After powering on both the drone and remote, the drone's lights will stop blinking and remain solid, indicating successful pairing.

3. Take-off:

- **One-Key Take-off:** Place the drone on a flat, level surface. Press the One-Key Take-off/Landing button on the remote. The drone will automatically ascend and hover at a certain height.
- **Manual Take-off:** Simultaneously pull both control sticks down and outwards until the propellers start rotating. Then, push the left control stick forward to make it ascend.



Image: A drone hovering above a landing pad, illustrating the one-key take-off function.

4. Basic Flight Controls:

- **Left Control Stick:**
 - Push up/down: Adjusts altitude (ascend/descend).
 - Push left/right: Adjusts yaw (rotates the drone left/right).
- **Right Control Stick:**
 - Push up/down: Moves the drone forward/backward.
 - Push left/right: Moves the drone left/right (sideways).

5. Special Flight Functions:

- **3D Flips:** After flying the drone in an obstacle-free area, press the 3D Flip button. Then, pull the right control stick forward, backward, leftward, or rightward to execute a 360-degree flip in the corresponding direction.
- **Headless Mode:** Press the Headless Mode button. In this mode, the drone's orientation is relative to the pilot, making it easier for beginners to control without worrying about the drone's front direction.
- **Altitude Hold:** The drone will automatically maintain a certain height, providing stable hovering.
- **Speed Modes:** Use the Speed Mode button to switch between 3 different speed settings (low, medium, high) to match your skill level or flight environment.
- **Throw to Go:** Place the drone in your palm right side up, then toss it into the air at least 10cm. The drone will automatically hover.
- **Circle Fly:** Press and hold the circle fly button for 3 seconds on the remote to make the drone fly in a circular pattern.

- **Waypoint Flight:** Use the companion app to draw a desired flight path on the screen. The drone will follow the trajectory path.
- **Voice Control:** The drone supports voice commands for certain operations (details in app).
- **Gesture Photo/Video:** Use specific hand gestures to trigger photo or video capture via the app.



Image: Visual representation of the drone's easy-to-fly features: One Key Start/Landing, Headless Mode, and Altitude Hold.



Image: The drone executing 3D flips and a graphic showing the three available speed modes.

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Video: Highlights various features of a mini drone, including 720P HD camera, 3D flips, 20-minute flight time, waypoint setting, and one-key start/landing. Note: The drone model shown in this video may differ from your TEEROK T13, but the features demonstrated are similar.

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Video: Showcases a mini drone's features, including foldable arms, 720P HD FPV camera, modular batteries, waypoint flight, and smart voice control. Note: The drone model shown in this video may differ from your TEEROK T13, but the features demonstrated are similar.

6. Taking Photos and Videos:

With your smartphone connected to the drone via the app, you can view a live video feed. Tap the photo icon on the app interface to take photos, or tap the video icon to start/stop recording videos. Your footage can be viewed in the app's album.

FPV KAMERA

with Live Transmission

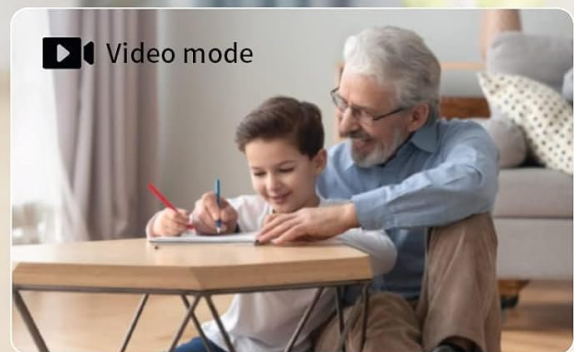


Image: The drone's FPV camera transmitting live video to a smartphone, demonstrating its aerial imaging capabilities.

7. Landing:

- **One-Key Landing:** Press the One-Key Take-off/Landing button. The drone will automatically descend and land.
- **Manual Landing:** Pull the left control stick backward to make the drone descend and land.
- **Auto-Landing (Low Battery):** The drone has an auto-landing function when the battery is low to prevent crashes.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote controller. Avoid using water or chemical cleaners.
- **Propeller Replacement:** If propellers are damaged, use the provided screwdriver to remove the old ones and install new spare propellers. Ensure correct orientation.
- **Storage:** When not in use, store the drone and its accessories in the provided carrying case in a cool, dry place, away from direct sunlight. Remove batteries from the remote controller for long-term storage.

TROUBLESHOOTING

- **Drone Drifts/Unstable Flight:**

Perform a reset. To reset, simultaneously pull both control sticks down and outwards. This clears gyroscope sensor data. Ensure the drone is placed horizontally during reset. Resetting is not allowed during flight.

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Video: Explains how to reset the drone after a collision or unstable flight to resume normal operation. Note: The drone model shown in this video may differ from your TEEROK T13, but the reset procedure is similar.

- **Drone Not Responding:**

Ensure both the drone and remote are powered on and successfully paired. Check battery levels for both devices. Re-pair if necessary.

- **App Connection Issues:**

Verify your phone is connected to the drone's Wi-Fi network. Close and reopen the app. Restart both the drone and your phone if problems persist.

- **Short Flight Time:**

Ensure batteries are fully charged. Flight time can be affected by aggressive flying, wind conditions, and camera usage. The drone includes 3 batteries for extended use.

SPECIFICATIONS

Model:	T13-Q20 PRO
Brand:	TEEROK
Product Dimensions:	23 x 45 x 50 cm
Item Weight:	102 g
Video Capture Resolution:	720p
Flight Time:	Up to 40 minutes (with 3 batteries)
Special Features:	360 Degree Flip, Auto-Landing, Extended Flight Time, Foldable, Speed Adjustment, Headless Mode, Altitude Hold

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official TEEROK website. If the tutorial cannot help you effectively, please contact us for more support.

Email Support:

- America: support.na@ametasmar.com
- Canada: support.na@ametasmar.com
- Europe: support.eu@ametasmar.com

Phone Support (Monday - Friday): +1 (800) 531 0915