

## Veeniix V113S

# Veeniix V113S FAA Compliant Remote ID Module

Instruction Manual

## 1. INTRODUCTION

The Veeniix V113S Remote ID Module is a compact, lightweight device designed to ensure compliance with FAA regulations for drones and other unmanned aerial vehicles. It broadcasts essential identification and location data, enhancing flight safety and accountability. This module is equipped with a built-in beeper for easy recovery of lost aircraft and offers extended battery life for prolonged operation.

## 2. WHAT'S IN THE BOX

### What's in the box

- 1 x Buzzer Remote ID
- 2 x Velcro
- 2 x Double-Sided Tape
- 8 x Self-Locking Zip Tie
- 1 x Adjustable ZipTie Mount
- 1 x Type-C Charging Cable
- 1 x User Manual

**Light as a feather**  
**Experience free flight with Veeniix V113S**



Image: All components included in the Veeniix V113S Remote ID Module package.

Your Veeniix V113S Remote ID Module package includes the following items:

- 1 x Veeniix V113S Remote ID Module
- 3 x Velcro Patches
- 8 x Self-Locking Zip Ties

- 1 x Self-Adhesive Zip Tie
- 1 x Type-C Charging Cable
- 1 x User Manual

### 3. PRODUCT OVERVIEW

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The Veeniix V113S is engineered for performance and compliance. Key features include:

- **FAA Compliance:** Meets all Federal Aviation Administration requirements for Remote ID broadcasting.
- **Integrated Beeper:** A new buzzing function assists in locating lost aircraft, providing an additional layer of safety.
- **Ultra-Lightweight Design:** Weighing just 13.49 grams (0.476 ounces) and measuring 1.5"L x 1.34"W x 0.53"H, it minimizes impact on your aircraft's flight performance.
- **Extended Battery Life:** Offers up to 5.1 hours of continuous operation on a single charge.
- **Precision GPS Tracking:** Equipped with a GPS positioning system providing accuracy of less than 1 meter, with real-time tracking up to 800 meters.
- **Broad Compatibility:** Suitable for a wide range of drones and RC aircraft, including FPV drones, RC gliders, helicopters, and fixed-wing models.
- **Bluetooth Connectivity:** Supports Bluetooth 4.0 and 5.0 for universal compatibility and reliable connection.
- **TYPE-C Charging:** Convenient and dust-proof Type-C charging port.



Image: Overview of the Veeniix V113S Remote ID Module's technical specifications.

### 4. CHARGING

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Before initial use, fully charge the Veeniix V113S Remote ID Module. The module features a Type-C charging port.

1. Locate the Type-C charging port on the module.
2. Connect the provided Type-C charging cable to the module and a compatible USB power source (e.g., computer, wall adapter, power bank).
3. The charging indicator lights will illuminate. Charging typically takes approximately 60 minutes for a full charge.
4. Once fully charged, the indicator lights will change or turn off, depending on the module's status.

### 5. SETUP & CONFIGURATION

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To ensure proper functionality and FAA compliance, follow these setup and configuration steps:

### 5.1. App Download and Connection

1. Download the 'Drone Finder' app from your device's app store (available for Android/iOS).
2. Ensure your smartphone's Bluetooth is enabled.
3. Power on the Veeniix V113S module by long-pressing the power button for 3 seconds. The indicator will alternate between red and green.
4. Open the 'Drone Finder' app and allow necessary permissions for location services and Bluetooth.
5. In the app, tap on the device's serial number to connect. The indicator on the module will switch from slow blue flashing to solid blue upon successful connection.

### 5.2. FAA Registration and Module Information Binding

1. Locate the serial number on your Veeniix V113S module.
2. Register your module and aircraft with the FAA on their official website. Refer to the comprehensive user manual for specific registration methods.
3. Within the 'Drone Finder' app, select 'RID Settings' to access the data entry interface.
4. Fill in all required information, including the Remote ID series number, aircraft model, weight, and UAS class.
5. Tap 'SAVE' to store the information. The module's indicator will slow blue flashing.
6. Hold the power switch to restart the RID module. The binding succeeds only after the module is restarted.
7. If you need to modify the binding information, repeat these steps.

### 5.3. LED Customization

1. Hold the settings switch button for 3 seconds to enter the setting steps.
2. Select 'LED Settings' in the app to enter the customization interface.
3. You can customize the third light mode (e.g., steady on, single flash, strobe flash, SOS) and color (e.g., cyan, white, red, blue, green, pink).

Video: Veeniix V113 APP demo instructions & lighting Guide. This video demonstrates how to use the app to configure the module's settings and customize LED lighting.

## 6. INSTALLATION

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The Veeniix V113S module offers multiple installation methods to suit various aircraft types. Choose the method that best fits your drone and ensures minimal impact on its balance and flight characteristics.

# 4 Installation Methods

Attach to various positions



Image: Various installation methods for the Veenix V113S module.

## 6.1. Recommended Installation Methods

- **Velcro Patches:** Use the provided Velcro patches. Attach one side to the module and the other to a suitable flat surface on your drone.
- **Self-Locking Zip Ties:** Secure the module to a part of your drone's frame using the self-locking zip ties.
- **Self-Adhesive Zip Tie:** For areas requiring a more permanent attachment point, use the self-adhesive zip tie base.

## 6.2. Important Installation Considerations

- **Avoid Propeller Interference:** Ensure the module is placed where it will not interfere with the drone's propellers or moving parts.
- **GPS Signal Clearance:** Do not block the drone's internal GPS antenna with the module. Place the module with its logo facing upwards for optimal GPS reception.
- **Center of Gravity:** Position the module as close to the drone's center of gravity as possible to avoid affecting flight stability.
- **Secure Attachment:** Always ensure the module is securely attached to prevent it from detaching during flight.

Video: Veeniix V113S Installation method and unboxing experience. This video provides a visual guide to unboxing and installing the module.

## 7. OPERATION

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Operating your Veeniix V113S Remote ID Module is straightforward:

### 7.1. Powering On and GPS Signal Search

1. After installation, long-press the power button on the module for 3 seconds to turn it on.
2. Place your drone outdoors in an open area. The module will automatically begin searching for a GPS signal.
3. Wait for approximately 20-30 seconds for the GPS signal search to complete. The middle indicator light will be solid green when the GPS search is successful.

### 7.2. Updating Takeoff Point

Before starting your flight, it is recommended to update the takeoff point:

- Short-press the power button on the module once. The module will update the takeoff point.
- The LED1 indicator will flash cyan slowly, then stay solid green when the takeoff point is successfully updated.

### 7.3. Buzzer Mode

The built-in beeper can help locate a lost aircraft:

- In the 'Drone Finder' app, navigate to the 'Location Services' interface.
- Tap the bell icon to activate continuous beeping from the module. This function is available only when the module is in broadcast mode.

# Ultra-Precision GPS Tracking



Extended Range:  
500m-800m



Position Accuracy:  
2-3m



Buzzer



Image: App interface showing GPS tracking and buzzer activation.

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your Veenix V113S Remote ID Module, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the module. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the module in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the battery is charged to approximately 50-60% to maintain battery health. Recharge periodically if stored for extended periods.
- **Physical Inspection:** Regularly inspect the module for any signs of damage, such as cracks or loose connections.

## 9. TROUBLESHOOTING

If you encounter issues with your Veenix V113S Remote ID Module, refer to the following common troubleshooting

steps:

- **Module Not Powering On:** Ensure the module is fully charged. If the issue persists, try using a different Type-C charging cable and power source.
- **Unable to Connect via Bluetooth:** Make sure Bluetooth is enabled on your smartphone and the module is powered on. Try restarting both the module and your smartphone. Ensure the 'Drone Finder' app has all necessary permissions.
- **GPS Signal Not Acquired:** Ensure the module is placed outdoors in an open area with a clear view of the sky. Avoid placing it near large metal objects or other electronics that might interfere with the GPS signal. Verify the module's logo is facing upwards.
- **Incorrect Information Broadcast:** Recheck the binding information entered in the 'Drone Finder' app under 'RID Settings'. Ensure all details are accurate and the module has been restarted after saving.
- **Beeper Not Functioning:** Confirm the module is in broadcast mode and connected to the app. Check the app's 'Location Services' interface to ensure the buzzer is activated.

For further assistance, please refer to the comprehensive user manual or contact Veeniix customer support.

## 10. SPECIFICATIONS

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| Brand                    | Veeniix                                                                       |
| Model Name               | V113S                                                                         |
| Color                    | Black                                                                         |
| Item Weight              | 13.5 Grams (0.476 ounces)                                                     |
| Product Dimensions       | 1.5"L x 1.34"W x 0.53"H                                                       |
| Battery Capacity         | 150 Milliamp Hours                                                            |
| Battery Life             | Up to 5.1 hours (300 minutes)                                                 |
| Charging Port            | Type-C                                                                        |
| Connectivity Technology  | Bluetooth 4.0, Bluetooth 5.0                                                  |
| Maximum Tracking Range   | 800 Meters                                                                    |
| GPS Positioning Accuracy | Less than 1 meter error                                                       |
| Special Features         | Buzzing Function, Compact, FAA Compliant RID Module, Find lost drones via app |

## 11. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the contact details provided in the comprehensive user manual included with your product. You can also visit the official Veeniix website for FAQs and additional resources.

