

Holyton HT60

Holyton HT60 Remote ID Transmitter Instruction Manual

Model: HT60

1. INTRODUCTION

The Holyton HT60 is an external Remote ID transmitter designed for unmanned aircraft. It is compliant with the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) certification and is a technical compliance (Radio Law) certified product. This device transmits essential flight information such as the drone's latitude, longitude, and speed during operation, contributing to enhanced flight safety and regulatory compliance.

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your HT60 Remote ID transmitter. Please read it thoroughly before use.



Image: An overview of the Holyton HT60 Remote ID transmitter, highlighting its compliance with MLIT and unmanned aircraft registration systems.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Holyton HT60 External Remote ID Transmitter
- 1 x Type-C Charging Cable
- 3 x Velcro Strips
- 1 x Japanese Instruction Manual (This document is an English version)



Image: Contents of the Holyton HT60 package, showing the Remote ID unit, Type-C cable, and Velcro strips.

3. SPECIFICATIONS

Model	HT60
Weight	13.5g
Dimensions (L x W x H)	3.4 x 2.8 x 1.35 cm (1.34 x 1.10 x 0.53 inches)
Battery Life	Approx. 4 hours (240 minutes)
Charging Port	Type-C
Communication Range	Over 500m
GPS Positioning Accuracy	5m
Connectivity	Bluetooth 5.0
Compatibility	Drones weighing 100g or more
Certifications	MLIT Certified, Technical Compliance (Radio Law) Certified

軽量 & コンパクトなサイズ

重量:13.5g

サイズ:3.4*2.8*1.35cm



Image: The Holyton HT60 Remote ID transmitter being held, illustrating its compact size and lightweight design (13.5g, 3.4x2.8x1.35cm).

通信距離：500m以上
GPS測位精度：5m
Bluetooth 5.0対応



Image: A drone flying over water with the HT60 attached, highlighting its communication range of over 500m and GPS accuracy of 5m.

4. SETUP

4.1 Charging the Device

Before initial use, fully charge the HT60 Remote ID transmitter. Connect the provided Type-C charging cable to the device and a compatible USB power source. The charging indicator will show the charging status. A full charge provides approximately 4 hours of operation time.

内蔵バッテリー



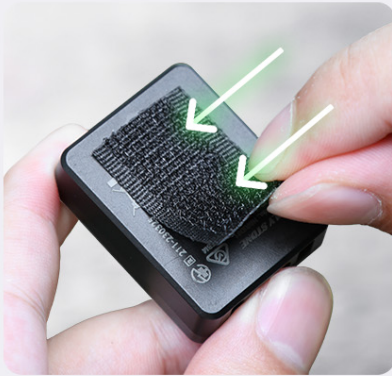
Image: The Holyton HT60 connected to a Type-C charging cable, indicating its charging method and 4-hour usage time.

4.2 Attaching to the Drone

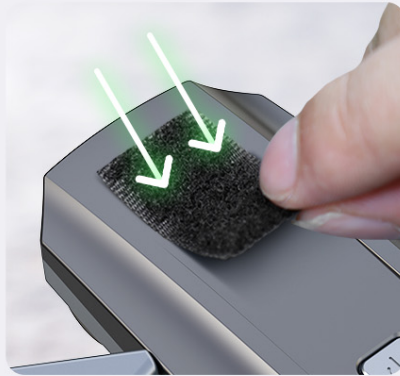
The HT60 Remote ID transmitter is designed for external attachment to drones weighing 100g or more. Use the provided Velcro strips for secure mounting.

1. Attach one Velcro strip to the back of the Remote ID transmitter.
2. Attach another Velcro strip to a suitable, flat surface on your drone.
3. Press the Remote ID transmitter firmly onto the Velcro on the drone to secure it.

シンプルな取り付け方法



ステップ1: 1つのベルクロをリモートIDに取り付けます。



ステップ2: もう1つのベルクロをドローンに取り付けます。



ステップ3: リモートIDをドローンに固定します。

Image: A visual guide demonstrating the simple attachment method using Velcro for the HT60.

4.3 Mounting Location Considerations

To ensure optimal GPS signal reception and prevent interference, consider the following when choosing a mounting location:

- Avoid placing the transmitter near propellers to prevent damage.
- Do not cover or obstruct electronic components.
- Mount in a location that does not interfere with drone operation or visibility of buttons and LEDs.
- For best GPS signal acquisition, mount the product on a flat surface of the drone.

搭載場所

最適なGPS機能を確認するために、理想的な搭載場所はドローン機種によって異なります。

1. 損傷を防ぐために、プロペラの近くの場所を避けてください。
2. 電子部品を直接かぶせたり、近づけたりしないでください。
3. 接触できない場所に取り付けしないでください。ボタンとLEDが常に接触可能で、見えるようにする必要があります。

ご注意: より良いGPS信号を取得するために、本製品を平らなドローンの上に取り付けてください。



Image: A drone with the HT60 mounted, illustrating recommended mounting practices for optimal performance.

4.4 Remote ID Registration (DIPS System)

The HT60 Remote ID transmitter requires registration with the DIPS (Drone Information Platform System) in Japan. Follow these steps to write the registration ID to your device:

1. **Power On:** Press and hold the power switch (power icon) for 3 seconds. The Remote ID will turn on, and the status indicator will slowly flash green.
2. **Enter Write Mode:** Press and hold the gear icon button for 3 seconds. The device will enter write mode, and the status indicator will flash rapidly.
3. **Enable Bluetooth:** Turn on Bluetooth on your smartphone. You do not need to wait for it to connect to the Remote

ID device yet.

4. **Access DIPS:** Log in to the DIPS drone registration system. From the home screen, select the "Write Remote ID" button.
5. **Select Aircraft:** From the aircraft list screen, select the "Ownership Details" button for the aircraft you wish to register.
 - *Note 1:* The Remote ID manufacturing number is printed on the Remote ID label. When entering, input only the numerical digits.
 - *Note 2:* When registering with DIPS, select "Xiamen Huoshiquan Import & Export CO., LTD" as the "Remote ID Device Manufacturer Name".
6. **Initiate Write:** Select the "Write Remote ID" button to begin the writing process. If a pairing request appears for the first time, enter "000000".
7. **Completion:** Wait for the writing process to complete. A confirmation message will appear.
8. **Restart:** Restart the Remote ID. The status indicator will slowly flash, and the GPS indicator will light up. This indicates that the Remote ID has been written and is transmitting aircraft information correctly. If you need to change the ID information via the app, follow the operating guide again.

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Video: A tutorial demonstrating the process of writing the registration ID to the Holyton HT60 Remote ID transmitter using the DIPS system.

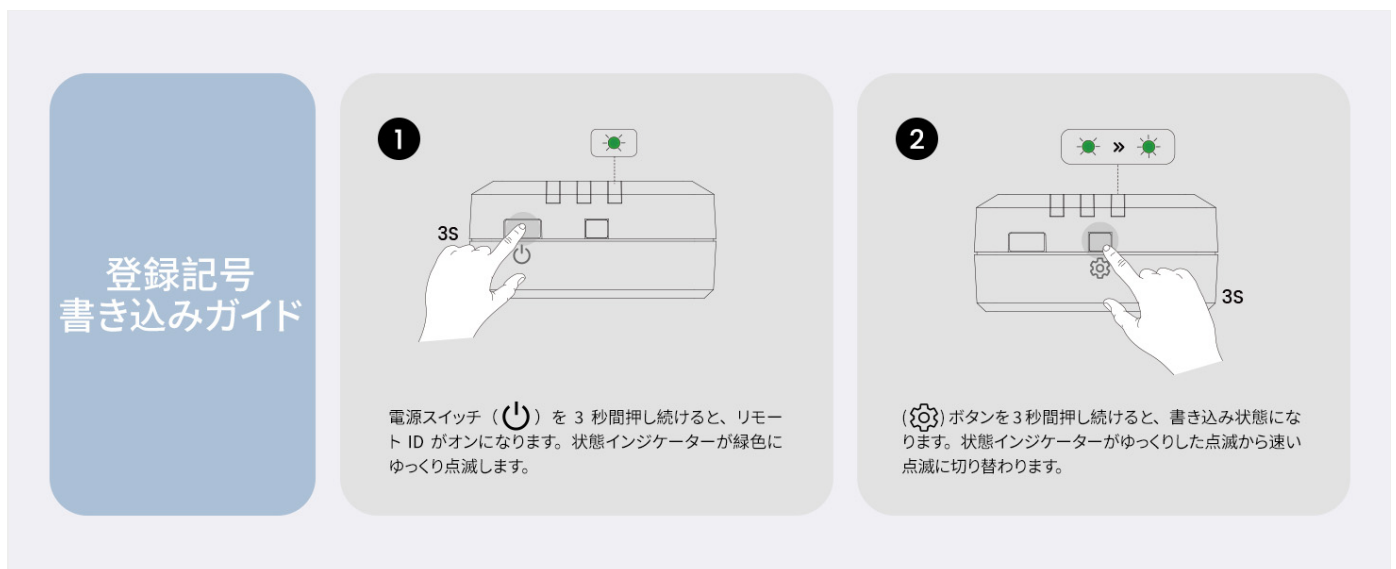


Image: Visual guide for powering on the HT60 and entering write mode for registration.



Image: Visual guide for enabling Bluetooth on a smartphone and navigating to the DIPS home screen.

登録記号 書き込みガイド

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機体一覧

機体一覧画面より、書き込む必要のある機体の「所有機体詳細」ボタンを選択します。

ご注意:

- (1) リモート ID の製造番号は、リモート ID に貼り付けられています。入力する際、数字のみを入力してください。
- (2) DIPSに登録する際に、「リモートID機器製造者名」で「Xiamen Huoshiquan Import & Export CO., LTD」を選択してください。

Image: Visual guide for selecting the aircraft and entering the Remote ID manufacturing number in DIPS.

登録記号 書き込みガイド

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機体詳細



接続機器選択



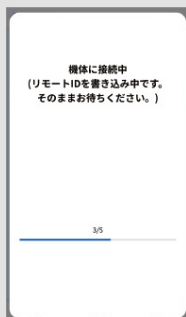
書込実行

- (1) 「リモートID書込」ボタンを選択すると書き込み開始します。
- (2) 初回で「接続機器選択」でリモートIDを選択すると、ペアリング要求の提示が出て場合、「000000」を入力してください。

Image: Visual guide for initiating the Remote ID writing process and handling pairing requests.

登録記号 書き込みガイド

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書込進捗

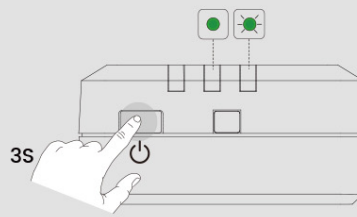


書込完了

Image: Visual guide showing the progress and completion of the Remote ID writing process.

登録記号 書き込みガイド

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リモート ID を再起動します。状態 インジケータがゆっくり点滅し、GPS 信号インジケータが点灯します。これは、リモート ID が書き込まれた情報を発信していることを意味します。

ご注意：この時点で、リモート ID は機体情報を正常に発信しています。アプリで ID 情報を変更する必要がある場合は、操作ガイドの手順に従って再度情報を変更してください。

Image: Visual guide for restarting the HT60 after registration, showing the indicator lights for successful operation.

Your browser does not support the video tag.

Video: A tutorial video providing a general guide for Remote ID setup and registration.

Your browser does not support the video tag.

Video: A tutorial video demonstrating the method for mounting the Holy Stone Remote ID transmitter.

5. OPERATION

5.1 Powering On/Off

- **Power On:** Press and hold the power button for 3 seconds until the status indicator lights up.
- **Power Off:** Press and hold the power button for 3 seconds until the status indicator turns off.

5.2 Status Indicators

The HT60 features LED indicators to communicate its status:

- **Green Flashing (Slow):** Device is powered on and searching for GPS signal.
- **Green Flashing (Rapid):** Device is in write mode (for registration).
- **Green Solid:** GPS signal acquired and Remote ID is actively transmitting data.
- **Red Flashing:** Low battery warning.
- **Blue Flashing:** Bluetooth connection active.

5.3 Flight Operation with Remote ID

Once the HT60 is securely attached to your drone and powered on with a solid green GPS indicator, it will automatically begin transmitting the required Remote ID information during flight. Ensure the device is powered on before drone takeoff.

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Video: A tutorial video providing a general guide on operating a drone with Remote ID, demonstrating pre-flight checks and flight procedures.

6. MAINTENANCE

6.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials, as they may damage the casing or internal components.

6.2 Storage

Store the HT60 in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is partially charged (around 50%) to prolong its lifespan.

6.3 Battery Information

The product contains a lithium-ion battery. The volumetric energy density of this battery is below 400Wh/L, making it exempt from PSE (Product Safety Electrical Appliance and Material) regulations in Japan. Always use the provided Type-C cable for charging.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device using the Type-C cable.
GPS indicator not solid green.	Poor GPS signal.	Ensure the device is mounted on a flat surface with a clear view of the sky. Avoid obstructions. Wait a few minutes for GPS acquisition.
Unable to write registration ID.	Incorrect steps followed; Bluetooth not enabled; incorrect manufacturer name in DIPS.	Review Section 4.4 "Remote ID Registration". Ensure Bluetooth is on and "Xiamen Huoshiquan Import & Export CO., LTD" is selected as the manufacturer.
Device not transmitting data.	Not powered on; GPS not acquired; registration ID not written correctly.	Ensure device is powered on and GPS indicator is solid green. Verify registration ID writing as per Section 4.4.

8. SAFETY AND COMPLIANCE

The Holyton HT60 Remote ID Transmitter is designed to help drone operators comply with regulations for unmanned aircraft. It is crucial to understand and adhere to all local and national drone regulations, including those related to Remote ID, flight zones, and operator licensing.

- Always operate your drone responsibly and safely.
- Ensure the Remote ID transmitter is functioning correctly before each flight.
- Do not modify the device, as this may void certifications and compromise safety.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Holyton website or contact Holyton customer service directly. Contact details are typically found on the product packaging or the brand's official online presence. Holyton is committed to developing and improving products that satisfy our customers. We appreciate your continued support. If you have any questions or encounter issues with the product, please do not hesitate to contact our after-sales

support.

