

Cwmiibili 500761846

Cwmiibili CT-6B 8CH 2.4GHz RC Transmitter with F-08A Receiver User Manual

Model: CT-6B Transmitter, F-08A Receiver

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Cwmiibili CT-6B 8-channel 2.4GHz RC Transmitter and F-08A PWM Receiver. This system is designed for controlling various RC models, including cars, boats, and tanks, offering reliable and interference-free communication.



Figure 1: The CT-6B 8-channel 2.4GHz RC Transmitter and F-08A Receiver.

2. SETUP

2.1 Powering the Transmitter

The CT-6B transmitter operates on a DC 3.5V-9V power supply. It is designed to be powered by an 18650 battery (not included). The transmitter features a Type-C interface for direct charging of the installed 18650 battery.



Figure 2: Illustration of the 18650 battery compartment and Type-C charging port on the transmitter. Ensure the battery is inserted with correct polarity.

2.2 Powering the Receiver

The F-08A receiver requires a DC 3.5V-9V power supply. Connect the receiver to your RC model's power source according to the model's specific requirements.

2.3 Binding Procedure

To establish communication between the transmitter and receiver, a binding process is required. While specific steps may vary slightly, generally:

1. Ensure both the transmitter and receiver are powered off.
2. Place the transmitter and receiver in close proximity (within 1 meter).
3. Power on the receiver while holding its bind button (if applicable) or following the manufacturer's specific binding sequence.
4. Power on the transmitter. The indicator lights on both devices should confirm a successful bind.

Refer to your RC model's documentation for any specific binding requirements or sequences.

CT-6B



Rechargeable



CT-6B

with F-08A
8CH 2.4Ghz Transmitter

Figure 3: The CT-6B Transmitter and F-08A Receiver, highlighting the Type-C charging capability.

3. OPERATING INSTRUCTIONS

The CT-6B transmitter features an intuitive layout for precise control of your RC model. Familiarize yourself with the controls as detailed below.

3.1 Transmitter Controls Overview

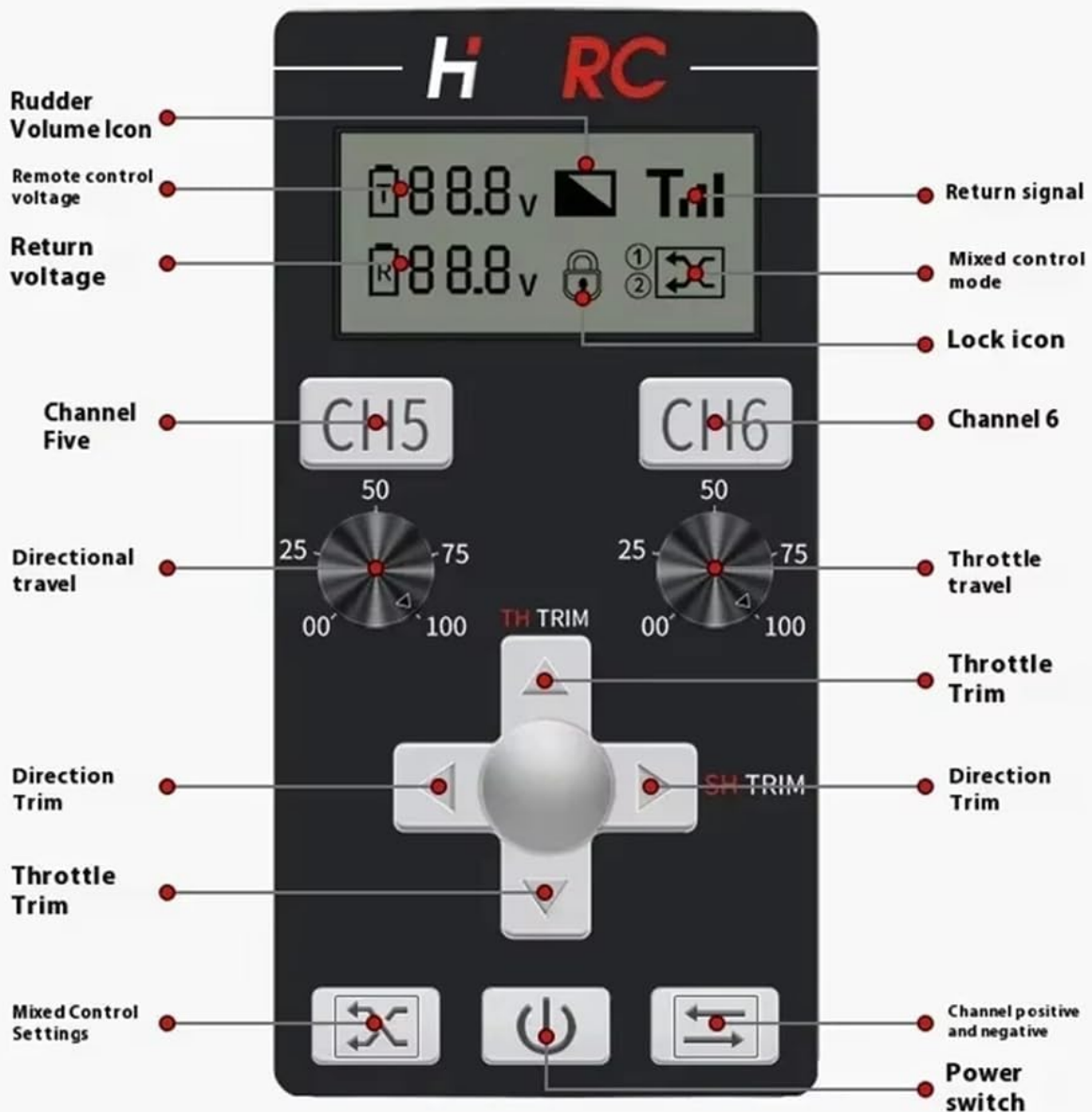


Figure 4: Detailed view of the transmitter's control panel, indicating various functions and adjustments.

- **Rudder Volume Icon:** Indicates rudder sensitivity.
- **Remote Control Voltage:** Displays the current voltage of the transmitter battery.
- **Return Voltage:** Displays the voltage returned from the receiver (if supported by the model).
- **Channel Five (CH5) & Channel Six (CH6):** Dedicated buttons for controlling channels 5 and 6.
- **Directional Travel:** Adjusts the travel limits for steering.
- **Throttle Travel:** Adjusts the travel limits for throttle.
- **Direction Trim:** Fine-tunes the steering neutral position.
- **Throttle Trim:** Fine-tunes the throttle neutral position.
- **Mixed Control Settings:** Configures mixed control modes for complex setups.
- **Channel Positive and Negative:** Adjusts channel direction.
- **Power Switch:** Turns the transmitter on/off.
- **Return Signal:** Indicates signal strength.
- **Mixed Control Mode:** Displays the active mixed control mode.
- **Lock Icon:** Indicates if settings are locked.

Function introduction

FUNCTION INTRODUCTION



Figure 5: Side view of the transmitter, highlighting additional functional components.

- **Charging Port:** Type-C port for charging the internal 18650 battery.
- **Built-in Antenna:** Integrated antenna for 2.4GHz communication.
- **Operation Panel:** Main interface for display and button controls.
- **Channel Buttons (Three, Four, Seven, Eight):** Additional channel controls.
- **Directional Rocker:** Primary steering control.
- **One-handed Control:** Ergonomic design for comfortable single-hand operation.
- **Throttle Trigger:** Primary throttle control.
- **18650 Battery Compartment:** Location for the rechargeable 18650 battery.

3.2 Channel Operation

The CT-6B is an 8-channel system. Channels 1-4 are typically used for primary controls (steering, throttle), while channels 5-8 can be assigned to auxiliary functions such as lights, winches, or other accessories on your RC model. The F-08A receiver provides PWM signals for all 8 channels.

3.3 Runaway Protection

The system includes a runaway protection feature. This function is designed to prevent your RC model from running out of control if the signal is lost. Ensure this feature is properly configured during setup for safety.

3.4 Fine-Tuning

Use the trim buttons (Direction Trim, Throttle Trim) to make small adjustments to the neutral positions of your steering and throttle. This helps ensure your model tracks straight and remains stationary when controls are centered.

4. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your CT-6B transmitter and F-08A receiver.

- **Cleaning:** Keep the transmitter and receiver clean and free from dust, dirt, and moisture. Use a soft, dry cloth for cleaning. Avoid harsh chemicals.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** If using rechargeable batteries, follow the battery manufacturer's guidelines for charging and storage. Do not overcharge or completely discharge batteries. Remove batteries if the device will not be used for an extended period.
- **Inspection:** Periodically inspect all connections and cables for signs of wear or damage.

5. TROUBLESHOOTING

If you encounter issues with your CT-6B system, consider the following common troubleshooting steps:

- **No Power:** Check battery levels in both the transmitter and receiver. Ensure all power connections are secure and correct.
- **Loss of Control/Interference:** The system utilizes FHSS (Frequency Hopping Spread Spectrum) technology to minimize interference. If control issues persist, ensure no other 2.4GHz devices are operating in very close proximity. Re-bind the transmitter and receiver.
- **Limited Range:** Ensure the transmitter and receiver antennas are unobstructed and properly oriented. The ground remote control distance is stable up to 300 meters.
- **Incorrect Control Response:** Verify that all channels are correctly connected to your RC model's components. Check trim settings and channel direction (normal/reverse).

6. SPECIFICATIONS

Feature	Specification
Modulation Mode	GFSK
Spread Spectrum Method	FHSS
Responding Speed (PWM)	20MS
Frequency Range	2.4GHz ISM
Receiver Power Supply	DC 3.5V-9V
Transmitter Power Supply	DC 3.5V-9V
Remote Control Distance (Ground)	Approx. 300M

Feature	Specification
Remote Control Distance (Air)	Approx. 800M
Product Weight (Transmitter)	180g (Transmitter only)
Number of Channels	8
Transmit Power	Approx. 90MA
Applicable Models	RC car/boat/tank etc.
Product Dimensions	7.87 x 5.91 x 3.54 inches
Item Weight	12.3 ounces (Total package weight)
Model Number	500761846

7. WARRANTY AND SUPPORT

Specific warranty information for the Cwmiibili CT-6B 8CH 2.4GHz RC Transmitter and F-08A Receiver is not provided in this manual. For warranty claims, technical support, or service inquiries, please contact the retailer or manufacturer directly through their official support channels. Keep your purchase receipt as proof of purchase.