

DUMBORC X5

DUMBORC X5 2.4G 5CH Remote Controller Transmitter with X6F Receiver User Manual

Model: X5 Transmitter, X6F Receiver

1. INTRODUCTION

Thank you for choosing the DUMBORC X5 2.4G 5-channel remote control system. This system is designed for precise and reliable control of various RC models, including cars, boats, and tanks. It operates on the 2.4GHz ISM band, offering stable communication and a control distance of 400-500 meters. This manual provides essential information for setting up, operating, and maintaining your X5 transmitter and X6F receiver.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x DUMBORC X5 2.4G 5CH Transmitter
- 1 x DUMBORC X6F Receiver
- 1 x User Manual

Note: 4x AA batteries for the transmitter are not included and must be purchased separately.

3. SPECIFICATIONS

Feature	Specification
Transmitter Model	X5
Receiver Model	X6F
Channels	5CH

Feature	Specification
Modulation Mode	GFSK
Spreading Mode	FHSS 67 channel pseudo random frequency
Control Distance	400-500 meters
Transmission Frequency	2.4GHz ISM band (2400MHz~2483.5MHz)
Transmitter Voltage Range	4.8-12V
Transmitter Working Current	80-120mA
Receiver Voltage Range	3.3-10V
Receiver Operating Current	30mA
RF Power	<20dbm
Data Resolution	4096 levels, 0.5us per level
Voltage Alarm	7.4V / 4.8V (selectable)
Transmitter Dimensions	160 x 100 x 205mm
Receiver Dimensions	35 x 20 x 13mm
Material	Plastic and Metal
Color	Black

4. SETUP

4.1 Transmitter Battery Installation

The DUMBORC X5 transmitter requires 4 AA batteries (not included). Follow these steps to install them:

1. Locate the battery compartment cover on the bottom of the transmitter.
2. Slide the cover open or remove it according to its design.
3. Insert 4 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.



Image: The DUMBORG X5 transmitter with its battery compartment open, revealing the slots for four AA batteries. The cover is shown detached next to it.

4.2 Receiver Connection

Connect the X6F receiver to your RC model's electronic speed controller (ESC), steering servo, and any auxiliary components. The X6F receiver has 6 channels:

- **CH1:** Steering Servo
- **CH2:** Electronic Speed Controller (ESC) / Throttle
- **CH3-CH5:** Auxiliary Channels (for lights, winches, gear shifts, etc.)
- **BAT:** Battery input (if not powered via ESC)

Ensure all connections are made with correct polarity. Incorrect connections can damage the receiver or other electronic components.



Image: The DUMBORC X5 remote controller transmitter shown next to its compact X6F receiver, illustrating the complete radio system.

4.3 Binding Procedure (Transmitter and Receiver)

To establish communication between the transmitter and receiver, they must be bound. Follow these steps:

1. Ensure the transmitter batteries are installed and the transmitter is turned OFF.
2. Connect the receiver to power (e.g., via the ESC or a separate battery pack). The receiver's LED should flash rapidly, indicating it's in binding mode.
3. Press and hold the BIND button on the receiver.
4. While holding the BIND button, turn ON the transmitter.
5. Release the BIND button on the receiver once the receiver's LED turns solid, indicating a successful bind.
6. Turn OFF both the transmitter and receiver, then turn them ON again to confirm the binding. The receiver LED should be solid.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Steering Wheel:** Controls the left and right direction of your model (CH1).
- **Throttle Trigger:** Pull to accelerate forward, push to brake or reverse (CH2).



Image: A side view of the DUMBORC X5 transmitter, highlighting the steering wheel on the right and the throttle trigger for forward/reverse control.

5.2 Advanced Adjustments

The DUMBORC X5 transmitter features several adjustment options, typically located under a protective cover on the top of the transmitter:



Image: A detailed view of the DUMBORC X5 transmitter's control panel, showing various adjustment knobs for trim, dual rate, and reverse switches, located under a clear protective cover.

- **ST.TRIM (Steering Trim):** Adjusts the neutral position of the steering servo. Use this to make your model drive straight without steering input.
- **TH.TRIM (Throttle Trim):** Adjusts the neutral position of the throttle. Use this to ensure the motor stops when the trigger is at neutral.
- **ST.D/R (Steering Dual Rate):** Adjusts the maximum steering angle. Lower values reduce steering sensitivity, higher values increase it.
- **TH.D/R (Throttle Dual Rate):** Adjusts the maximum throttle output. Lower values reduce maximum speed, higher values increase it.
- **CH3/CH4/CH5 Knobs/Switches:** Control auxiliary channels. Refer to your model's specific instructions for their functions.
- **REV (Reverse Switches):** Reverses the direction of a channel's output. If your steering or throttle operates in reverse, flip the corresponding REV switch.

5.3 Voltage Alarm Setting

The transmitter features a low voltage alarm. You can typically set the alarm threshold to 7.4V or 4.8V, depending on your battery type (e.g., 2S LiPo or 4x AA NiMH/Alkaline). Consult the specific switch or button for this setting, usually found within the adjustment panel.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the transmitter and receiver. Avoid using solvents or harsh chemicals.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from the transmitter if storing for extended periods to prevent leakage.
- **Battery Care:** Always use fresh batteries or fully charged rechargeable batteries. Do not mix old and new batteries or different types of batteries.
- **Antenna:** Ensure the receiver antenna is properly routed and not cut or damaged, as this can significantly reduce range.

7. TROUBLESHOOTING

- **No Power to Transmitter:** Check battery installation and polarity. Ensure batteries are fresh or fully charged.
- **No Control/Loss of Signal:** Re-bind the transmitter and receiver. Check all connections between the receiver and model components. Ensure the receiver antenna is not damaged.
- **Limited Range:** Check for environmental interference (e.g., large metal objects, other 2.4GHz devices). Ensure receiver antenna is properly positioned and undamaged. Verify transmitter battery level.
- **Controls Operating in Reverse:** Use the REV switches on the transmitter to correct the direction of the affected channel.
- **Model Not Driving Straight:** Adjust the ST.TRIM knob on the transmitter until the model tracks straight.
- **Motor Not Stopping at Neutral:** Adjust the TH.TRIM knob on the transmitter.

8. SAFETY INFORMATION

- Always operate your RC model in a safe and open area, away from people, pets, and obstacles.
- Never operate your RC model near public roads or in crowded areas.
- Ensure the transmitter is turned ON before the receiver, and turned OFF after the receiver, to prevent loss of control.
- Keep the transmitter and receiver away from water and moisture.
- Do not attempt to modify the transmitter or receiver, as this may void your warranty and cause unsafe operation.
- Always disconnect the battery from your RC model when not in use.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question