

RADIOMASTER Boxer Crush

RADIOMASTER Boxer Crush Radio Controller Transmitter User Manual

Model: Boxer Crush (ELRS M2 with 6200-Iron Grey)

1. INTRODUCTION

The RADIOMASTER Boxer Crush Radio Controller Transmitter is a high-performance remote control system designed for RC enthusiasts. It features the EdgeTX Operating System and an ExpressLRS RF System, providing reliable and precise control for various remote-controlled vehicles. This manual provides essential information for setting up, operating, and maintaining your Boxer Crush transmitter.

2. PRODUCT FEATURES

- Available in seven vibrant colors: Iron Grey, Frost White, Mint Mist, Hot Pink, Cherry Red, Iceberg Blue, and Lemon Twist Yellow.
- Equipped with CNC Aluminum AG01 Hall-effect Gimbals for precise control.
- Features a powerful STM32F407VGT6 microcontroller with 1MB Flash and 192KB RAM.
- Built-in ExpressLRS Backpack for enhanced connectivity.
- Redesigned SD card slot with a new and improved 512MB pre-loaded SD card included.

BOXER CRUSH RADIO

Introducing the new Boxer Crush Radio in seven unique, vibrant, and eye-catching colors



Image: The RADIOMASTER Boxer Crush Radio Controller in Iron Grey, highlighting its sleek design.

PACKAGE INCLUDING



Image: A display of the RADIOMASTER Boxer Crush Radio Controller available in multiple vibrant colors.

3. PACKAGE CONTENTS

Upon unboxing your RADIOMASTER Boxer Crush, ensure all the following items are present:

- 1 x Boxer Crush Radio Transmitter
- 1 x Signature Carry Case

- 1 x T Antenna
- 1 x USB-C Cable
- 1 x Gimbal Protector



Image: The complete package contents of the RADIOMASTER Boxer Crush, including the transmitter, carry case, antenna, USB-C cable, and gimbal protector.

4. SETUP

4.1. Battery Installation

The Boxer Crush requires a 2S 6200mAh Li-Po battery (not included) or AA batteries using the provided battery pack. To install:

1. Locate the battery compartment on the back of the transmitter.
2. Slide the battery cover latch to open the compartment.
3. Connect the Li-Po battery to the internal connector, ensuring correct polarity. If using AA batteries, insert them into the battery pack and connect the pack.
4. Carefully place the battery into the compartment and close the cover, ensuring it latches securely.

Video: Demonstrates battery installation and basic handling of the RADIOMASTER Boxer transmitter.

4.2. Antenna Installation

Attach the T Antenna to the designated port on the top of the transmitter. Ensure it is securely fastened but do not

overtighten.

4.3. Gimbal Protector Removal

Remove the gimbal protector before operating the transmitter to allow full range of motion for the gimbals.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

To power on the transmitter, press and hold the power button located centrally above the screen until the EdgeTX logo appears. To power off, press and hold the power button until the power-down sequence completes.

5.2. Basic Controls

The Boxer Crush features two main gimbals for control inputs, along with various switches and buttons for auxiliary functions. Familiarize yourself with the layout:

- **Gimbals:** Control primary flight surfaces (throttle, aileron, elevator, rudder).
- **Switches:** Used for flight modes, arming, and other programmable functions.
- **Buttons (RTN, PAGE, TELE, SYS):** Navigate through the EdgeTX menu system.
- **Scroll Wheel:** Used for menu navigation and parameter adjustment.



Image: Front view of the RADIOMASTER Boxer Crush, showing gimbals, screen, and control buttons.

5.3. Menu Navigation (EdgeTX)

The EdgeTX operating system provides extensive customization. Use the SYS button to enter the system menu, the PAGE buttons to navigate between pages, and the scroll wheel to select options and adjust values. The RTN button returns to the previous screen.

Video: Overview of the RADIOMASTER Boxer Crush RC Transmitter, highlighting the EdgeTX Operating System and various features.

5.4. Joystick Calibration

Regular joystick calibration ensures optimal performance. Refer to the transmitter's internal menu for the calibration procedure. Generally, this involves moving both gimbals through their full range of motion.

Video: Demonstrates the joystick calibration process for a Radiomaster Pocket remote control. The steps are generally similar for the

5.5. Binding/Pairing

To bind your Boxer Crush transmitter to a receiver, follow the specific binding procedure outlined in your receiver's manual. Typically, this involves putting the receiver into bind mode and then initiating the binding process from the transmitter's EdgeTX menu.

6. MAINTENANCE

- Keep the transmitter clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the transmitter in its carry case when not in use to protect it from damage.
- Ensure batteries are charged using appropriate chargers and follow battery safety guidelines.
- Periodically check all switches and gimbals for smooth operation.

7. TROUBLESHOOTING

- **Transmitter not powering on:** Check battery charge and ensure it is correctly installed.
- **No control response:** Verify the transmitter is bound to the receiver and that the model is correctly selected in EdgeTX. Check antenna connection.
- **Erratic control:** Perform joystick calibration. Check for any physical obstructions to the gimbals.
- **SD card errors:** Ensure the SD card is properly seated. If issues persist, try reformatting the card (backing up data first) or using a different SD card.

8. SPECIFICATIONS

Feature	Specification
Product Dimensions	7 x 6 x 4 inches
Manufacturer Recommended Age	18 years and up
Manufacturer	Greathobby RC
Gimbals	CNC Aluminum AG01 Hall-effect Gimbals
Operating System	EdgeTX
RF System	ExpressLRS

DIMENSIONS



Image: Diagram illustrating the dimensions of the RADIOMASTER Boxer Crush Radio Controller.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official RADIOMASTER website or contact your authorized dealer. Keep your proof of purchase for warranty claims.

Official RADIOMASTER Website: www.radiomasterrc.com