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› Radiomaster Pocket Hall Gimbal Transmitter Remote Control Manual

RADIOMASTER RMS-0052

Radiomaster Pocket Hall Gimbal Transmitter Remote Control Manual

Model: RMS-0052 (CC2500-Charcoal)

INTRODUCTION

The Radiomaster Pocket is a compact and lightweight remote control transmitter designed for various RC applications. It features Hall gimbals, a foldable antenna, and is available in different versions, including CC2500 and ExpressLRS. This manual provides essential information for setting up, operating, and maintaining your Radiomaster Pocket.

WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- 1 x Pocket Radio
- 1 x Custom Carry Pouch
- 1 x USB-C Cable
- 1 x Screen Protector
- 1 x Sticker
- 1 x Manual (this document)
- 4 x Low Tension Springs (for gimbals)

PACKAGE INCLUDES



Figure 1: Radiomaster Pocket Package Contents. The image displays the Pocket radio, a custom carry pouch, a USB-C cable, a screen protector, a sheet of stickers, a manual, and four low tension springs.

PRODUCT OVERVIEW

The Radiomaster Pocket is designed for portability and performance. Key features include:

- **Hall Effect Gimbals:** For smooth centering and precise response.
- **Built-in LED Lights:** To visualize your inputs.
- **Portable and Lightweight Design:** Easy to transport and store.
- **Foldable Antenna:** Enhances portability.
- **Removable Stick Ends:** For customization and compact storage.
- **Backlit LCD Screen:** Offers a clear balance of size and functionality.
- **External Module Bay:** Compatible with RadioMaster Nano-size modules and TBS Nano Crossfire/Nano Tracer.
- **18650 Battery Compatibility:** Provides extended battery life (batteries not included).
- **Pre-installed EdgeTX Firmware:** Ready for advanced customization and control.



Figure 2: Front view of the Radiomaster Pocket Transmitter. This image shows the front of the charcoal-colored transmitter with its gimbals, screen, and control buttons.



Figure 3: Back view of the Radiomaster Pocket Transmitter. The antenna is shown in its upright, operational position.



Figure 4: Side view of the Radiomaster Pocket Transmitter. This image highlights the compact profile of the device.

SETUP

1. Battery Installation

The Radiomaster Pocket requires two 18650 batteries (not included). To install:

1. Locate the battery compartment on the back of the transmitter.
2. Open the compartment cover.
3. Insert two 18650 batteries, ensuring correct polarity.
4. Close the battery compartment cover securely.

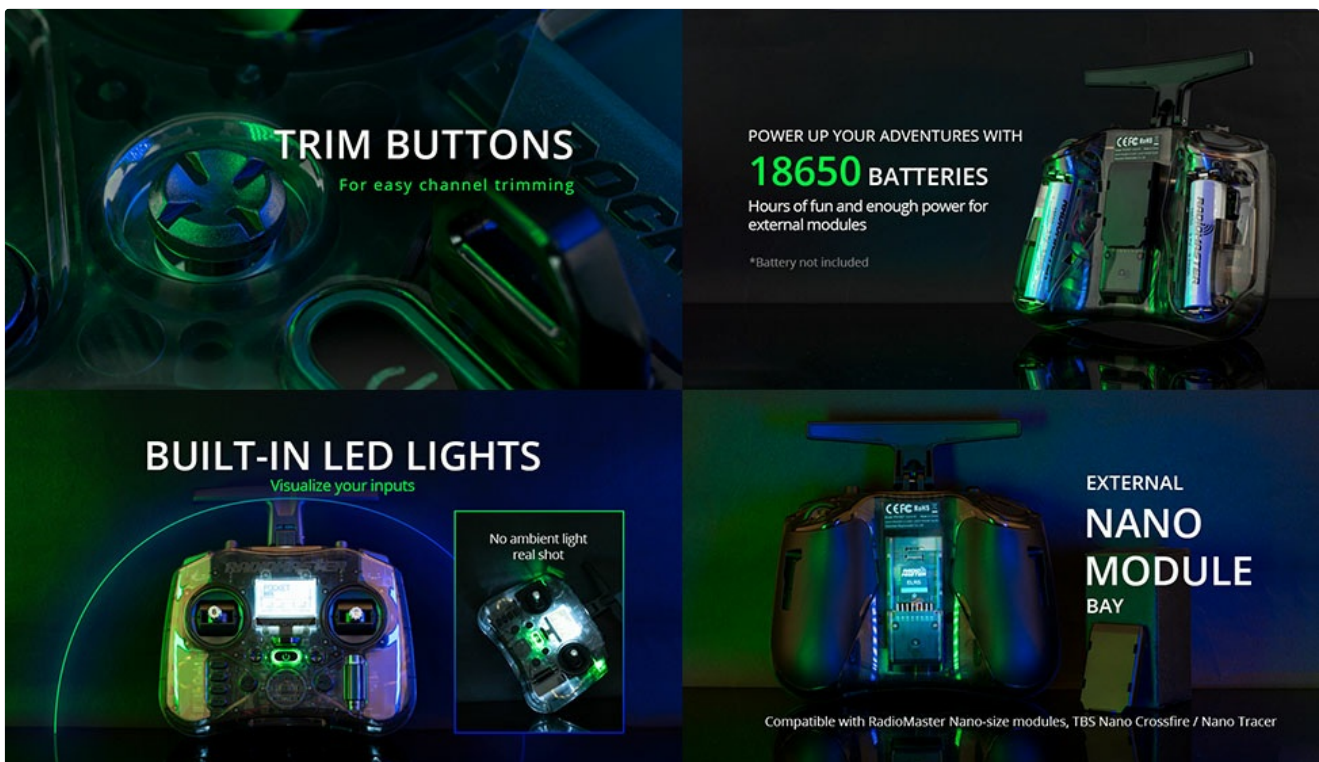


Figure 5: Battery Compartment and LED Lights. This image illustrates the location of the 18650 battery compartment and the built-in LED lights.

2. Initial Power On

Press and hold the power button located on the front of the transmitter until the screen illuminates and the EdgeTX firmware loads. The transmitter will perform a self-check upon startup.

3. Antenna and Stick Ends

- **Antenna:** Unfold the antenna to its upright position for optimal signal transmission. Fold it down for storage.
- **Stick Ends:** The transmitter comes with removable stick ends. You can customize them or remove them for more compact storage.



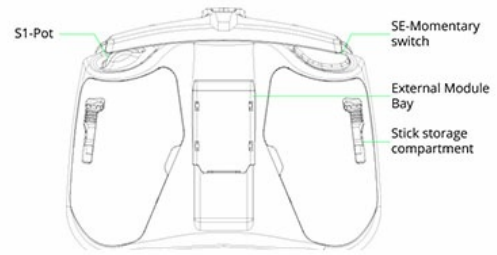
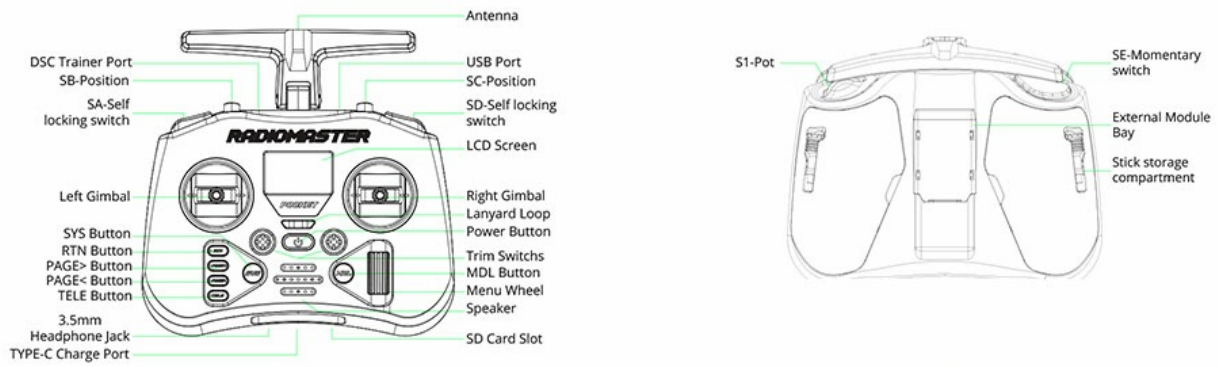
Figure 6: Key Features. This image highlights the foldable antenna, removable stick ends, and Hall-effect gimbals of the Radiomaster Pocket.

OPERATING INSTRUCTIONS

1. Basic Controls

Familiarize yourself with the main controls:

- **Gimbals:** Control primary flight surfaces (throttle, rudder, aileron, elevator).
- **Trim Buttons:** Used for fine-tuning channel outputs.
- **Navigation Buttons:** For menu navigation on the LCD screen.
- **Power Button:** Turns the unit on/off and can be used for menu selection.



GIMBAL ADJUSTMENT

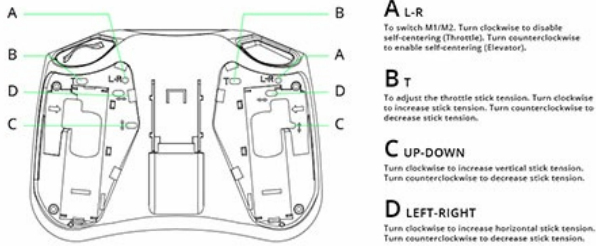


Figure 7: Control Layout and Gimbal Adjustment. This diagram labels various buttons, switches, ports, and the internal gimbal adjustment screws.

2. Gimbal Adjustment

The gimbals can be adjusted for tension and self-centering. Refer to Figure 7 for adjustment points:

- **A (I-R):** Turn clockwise to disable self-centering (throttle). Turn counter-clockwise to enable self-centering (throttle).
- **B (T):** To adjust the throttle stick tension. Turn clockwise to increase stick tension. Turn counter-clockwise to decrease stick tension.
- **C (UP-DOWN):** Turn clockwise to increase vertical stick tension. Turn counter-clockwise to decrease stick tension.
- **D (LEFT-RIGHT):** Turn clockwise to increase horizontal stick tension. Turn counter-clockwise to decrease stick tension.

SPECIFICATIONS

Brand	RADIOMASTER
Model Number	RMS-0052 (BR0054)
Color	CC2500 Charcoal Mode 2
Number of Channels	16
Special Features	Hall Effect Gimbals, Built-in LED Lights, Portable, Lightweight
Frequency Range	2400-2480 MHz

Talking Range Maximum	2 Kilometer
Water Resistance Level	Not Water Resistant
Compatible Devices	RadioMaster Nano-size modules, TBS Nano Crossfire/Nano Tracer, other 2.4GHz two-way radios
Connectivity Protocol	ExpressLRS, CC2500
Power Source	2 x 18650 batteries (not included)

DIMENSIONS



Figure 8: Product Dimensions. The diagram provides measurements for the transmitter's length, width, and height.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitter. Avoid using harsh chemicals or solvents.
- **Storage:** Store the transmitter in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Firmware Updates:** Periodically check the official Radiomaster website for firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

Common Issues and Solutions:

- **Transmitter not powering on:**
 - Ensure batteries are correctly installed and fully charged.
 - Check battery polarity.
- **No signal to receiver:**
 - Verify the antenna is unfolded and in an upright position.
 - Ensure the transmitter and receiver are properly bound. Refer to your receiver's manual for binding instructions.
 - Check for interference from other 2.4GHz devices.
- **Gimbal response issues:**
 - Check gimbal tension settings as described in the "Gimbal Adjustment" section.
 - Calibrate gimbals through the EdgeTX firmware settings if necessary.

For further assistance, please refer to the official Radiomaster support resources or community forums.

IMPORTANT SAFETY INFORMATION

- Always operate your RC equipment responsibly and in accordance with local laws and regulations.
- Ensure your batteries are in good condition and charged properly.
- Never operate your RC model near people, animals, or property that could be damaged.
- Perform pre-flight checks before each use to ensure all controls are functioning correctly.
- Keep the transmitter away from water and moisture, as it is not water resistant.

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please visit the official Radiomaster website or contact your authorized dealer. Keep your proof of purchase for warranty claims.