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Spektrum SPMAR410

Spektrum AR410 4-Channel RC Sport Receiver User Manual

Model: SPMAR410

INTRODUCTION

The Spektrum AR410 is a compact, full-range 4-channel RC sport receiver designed for a wide range of models, including electric and engine-powered aircraft. This receiver features an innovative antenna-less design, enhancing both installation ease and durability while maintaining superior full-range performance. It also integrates flight log and receiver battery pack voltage telemetry, providing essential flight data automatically when used with compatible Spektrum transmitters. The AR410 simplifies the binding process with a large, accessible bind button, eliminating the need for traditional bind plugs.

PACKAGE CONTENTS

- Spektrum AR410 4-Channel Air RC Sport Receiver

Please inspect all components for any signs of damage. If any parts are missing or damaged, contact your retailer or Spektrum support.

FEATURES

- Compact, low-cost, full-range DSMX receiver with telemetry.
- Ideal for most RC aircraft, including indoor sport models.
- Lightweight park flyer-size with full-range performance.
- Antenna-less design for increased convenience, performance, and durability.
- Integrated flight log and receiver voltage telemetry with fly-by range.
- Streamlined, end-pin design in a lightweight hard-case.
- Large bind-button eliminates the need for a traditional bind plug.

SETUP

1. Installation

Mount the AR410 receiver securely within your aircraft. Ensure it is positioned away from any large metal objects or carbon fiber structures that could potentially interfere with signal reception. The streamlined end-pin design allows for easy connection of servos and other components. Connect your servos to the corresponding channels (1-4) and the battery/power source to the

BATT/DATA port.



Image: The Spektrum AR410 receiver, showing its compact size and end-pin configuration for connections.

2. Binding the Receiver

The AR410 receiver features a large bind button, eliminating the need for a separate bind plug. Follow these steps to bind your receiver to a compatible Spektrum DSMX/DSM2 transmitter:

1. Ensure your transmitter is powered off and in bind mode (refer to your transmitter's manual for specific instructions).
2. Press and hold the bind button on the AR410 receiver.
3. While holding the bind button, power on the receiver by connecting the battery/power source. The receiver's LED will begin to flash rapidly.
4. Release the bind button.
5. Power on your transmitter. The receiver's LED should turn solid, indicating a successful bind.
6. If the bind is unsuccessful, repeat the steps. Ensure the transmitter and receiver are within close proximity during the binding process.

OPERATING

Telemetry Functionality

The AR410 receiver includes integrated telemetry for flight log data and receiver battery pack voltage. When used with a telemetry-capable Spektrum transmitter, this data is automatically accessible. This feature allows you to monitor critical information about your receiver's performance and power status during flight, enhancing safety and operational awareness.

- **Flight Log:** Provides data on signal quality and fades, helping to assess the RF link performance.
- **Receiver Battery Voltage:** Displays the current voltage of the receiver's power supply, crucial for preventing unexpected power loss.

Refer to your Spektrum transmitter's manual for detailed instructions on accessing and interpreting telemetry data.

Your browser does not support the video tag.

Video: Product Overview of the Spektrum AR410 Receiver. This video demonstrates the physical features and highlights key functionalities of the receiver, such as its compact size, antenna-less design, and end-pin connections.

Maintenance

To ensure the longevity and reliable performance of your Spektrum AR410 receiver, follow these maintenance guidelines:

- **Keep Clean:** Regularly inspect the receiver for dirt, dust, or debris. Use a soft, dry brush or compressed air to gently clean the casing and ports. Avoid using liquids or solvents.
- **Check Connections:** Periodically verify that all servo and power connections are secure and free from corrosion. Loose connections can lead to intermittent signal loss.
- **Environmental Protection:** While the hard-case offers durability, avoid exposing the receiver to extreme temperatures, moisture, or direct sunlight for extended periods.
- **Storage:** When not in use, store the receiver in a dry, cool environment, preferably in its original packaging or a protective case.

Troubleshooting

Problem	Possible Cause	Solution
Receiver not binding	Transmitter not in bind mode; receiver not powered correctly; too far from transmitter.	Ensure transmitter is in bind mode. Verify receiver power connection. Bring transmitter and receiver closer together (within 1 meter). Repeat binding steps carefully.
Intermittent signal loss	Loose connections; interference; low receiver battery voltage.	Check all servo and power connections. Ensure receiver is not near large metal objects or carbon fiber. Monitor receiver battery voltage via telemetry or a voltage checker.
Servos not responding	Receiver not bound; incorrect servo connection; faulty servo.	Confirm receiver is successfully bound (solid LED). Verify servos are connected to the correct channels. Test servos with another receiver or a servo tester.
No telemetry data	Transmitter not telemetry-capable; incorrect transmitter settings.	Ensure your Spektrum transmitter supports telemetry. Consult your transmitter's manual for telemetry setup and display options.

Specifications

- **Model Number:** SPMAR410

- **Channels:** 4
- **Compatibility:** DSMX/DSM2
- **Telemetry:** Integrated Flight Log and Receiver Battery Voltage
- **Antenna:** Internal, Antenna-less Design
- **Dimensions:** 1.78 x 0.79 x 0.55 inches (45.2 x 20.1 x 14.0 mm)
- **Weight:** Approximately 0.25 oz (7.1 g)
- **Application:** RC Aircraft (Electric or Engine Powered)

Note: Weight is an approximation based on common RC receiver specifications and user reviews.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Spektrum AR410 receiver, please visit the official Spektrum website or contact your local authorized Spektrum dealer. Keep your proof of purchase for warranty claims. You can also visit the [Spektrum Store on Amazon](#) for additional product information and accessories.

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