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Spektrum SPMSLR300

Spektrum SLR300 3-Channel SLT Receiver Instruction Manual

Model: SPMSLR300

Brand: Spektrum

1. INTRODUCTION AND OVERVIEW

The Spektrum SLR300 is an economical and dependable 3-channel SLT receiver designed for surface RC models. It features interference-resistant SLT FHSS 2.4GHz technology, ensuring reliable communication with compatible Spektrum SLT transmitters and backward compatibility with Tactic brand surface transmitters. This compact and lightweight receiver offers seamless integration and responsive control for your remote-controlled adventures.



Image: The Spektrum SLR300 3-Channel SLT Receiver, a compact black unit with an antenna wire, shown next to a bind plug.

2. SAFETY INFORMATION

WARNING:

Read this entire instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property, and cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. The product manual contains instructions for safety, operation, and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup, or use, in order to operate correctly and avoid damage or serious injury.

3. WHAT'S IN THE BOX

- Spektrum SLR300 3-Channel SLT Receiver Single Protocol

4. FEATURES

- SLT FHSS 2.4GHz Protocol (not compatible with Spektrum DSM, DSM2, or DSMR surface transmitters)
- 3 Channels for Throttle, Steering, and Auxiliary functions
- Easy-to-use bind port, also usable for powering devices like fans, lights, or lap sensors
- Preset failsafe set during binding; each channel will go to the command present at the time of binding
- LED Indicator for status understanding
- Small and lightweight design

5. SETUP

5.1 Connections

Connect your servos and Electronic Speed Controller (ESC) to the appropriate channels on the SLR300 receiver. The receiver provides 3 channels:

- Channel 1: Steering
- Channel 2: Throttle
- Channel 3: Auxiliary (for additional functions like fans, lights, or lap sensors)

Ensure all connections are secure and correctly oriented (signal, positive, negative).

5.2 Binding Process

The SLR300 uses an easy bind plug method for binding and setting preset failsafe. Follow these general steps:

1. Ensure your transmitter is powered off.
2. Insert the bind plug into the BIND port on the receiver.
3. Power on the receiver (e.g., by connecting the ESC or a separate receiver battery). The receiver's LED should flash, indicating it is in bind mode.
4. Place your transmitter in bind mode (refer to your transmitter's manual for specific instructions).
5. Once the receiver's LED becomes solid, the binding process is complete.
6. Remove the bind plug from the receiver.
7. Power cycle both the transmitter and receiver to confirm successful binding.

During binding, the failsafe positions for each channel are set to the current command positions. Ensure your throttle is at neutral and steering is centered when binding to establish appropriate failsafe settings.

6. OPERATION

Once successfully bound, the SLR300 receiver will provide responsive control for your RC model. The LED indicator on the receiver helps drivers understand its status:

- **Solid LED:** Indicates a successful connection and normal operation.
- **Flashing LED:** Indicates the receiver is in bind mode or has lost signal from the transmitter.

Always ensure a clear line of sight between your transmitter and the receiver for optimal performance and

to prevent signal loss.

7. MAINTENANCE

To ensure the longevity and reliable performance of your Spektrum SLR300 receiver, consider the following maintenance tips:

- Keep the receiver clean and free from dirt, dust, and moisture.
- Avoid exposing the receiver to extreme temperatures.
- Regularly check all wire connections for looseness or damage.
- Ensure the antenna wire is not cut, kinked, or damaged, and is positioned optimally for signal reception.
- Store the receiver in a dry, safe place when not in use.

8. TROUBLESHOOTING

If you encounter issues with your SLR300 receiver, consider these troubleshooting steps:

- **No Response/Lost Signal:** Check the receiver's LED indicator. If it's flashing, re-bind the receiver to your transmitter. Ensure both the transmitter and receiver have sufficient power. Verify the antenna is intact and properly positioned.
- **Intermittent Control:** Check for potential interference sources in your operating environment. Ensure the receiver is not too close to high-current wires or other electronic components that could cause interference.
- **Incorrect Failsafe:** Re-bind the receiver, ensuring your control surfaces are in the desired failsafe positions (e.g., neutral throttle, centered steering) before completing the binding process.
- **Power Issues:** Confirm that the power source (ESC or receiver battery) is correctly connected and providing adequate voltage to the receiver.

If problems persist, consult the Spektrum support resources or contact customer service.

9. SPECIFICATIONS

Specification	Detail
Brand	Spektrum
Model Number	SPMSLR300
Item Type	Receivers
Number of Channels	3
Wireless Technology	SLT FHSS 2.4GHz Protocol
Special Feature	SLT
Item Weight	13.61 g
UPC	605482693452
GTIN	605482693452
Color	Multicoloured

10. WARRANTY AND SUPPORT

This product is backed by the Spektrum brand. For specific warranty details, please refer to the documentation included with your product or visit the official Spektrum website. Amazon also offers a 30-day return policy for this item. For technical assistance or further inquiries, please contact Spektrum customer support.