

## Spektrum SPMR8105

# Spektrum DX8e 8-Channel DSMX Transmitter Instruction Manual

Model: SPMR8105

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective operation of your Spektrum DX8e 8-Channel DSMX Transmitter. Please read this entire manual carefully before operating the product to ensure proper function and to prevent damage or injury.

### 1.1 Safety Warnings

**WARNING: Failure to operate this product correctly can result in damage to the product, personal property, and cause serious injury. This is a sophisticated hobby product that requires caution, common sense, and basic mechanical ability. 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.**

### 1.2 What's in the Box

- (1) Spektrum DX8e Transmitter Only
- (1) User Manual

## 2. SETUP

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### 2.1 Transmitter Overview

Familiarize yourself with the layout of your DX8e transmitter. The image below shows the front view of the unit.





Figure 1: Front view of the Spektrum DX8e 8-Channel DSMX Transmitter, displaying the screen, gimbals, and

*various switches.*

The top view provides a clear look at the control switches and knobs.



*Figure 2: Top view of the Spektrum DX8e 8-Channel DSMX Transmitter, highlighting the various switches and trim controls.*

The rear of the transmitter features the battery compartment and the gimbal mode-change switch.



*Figure 3: Rear view of the Spektrum DX8e 8-Channel DSMX Transmitter, showing the battery cover and the mode selection switch.*

## **2.2 Battery Installation**

The DX8e transmitter operates on four AA batteries. For extended use and convenience, a rechargeable LiPo battery pack can be installed (sold separately). To install batteries:

1. Open the battery compartment cover located on the rear of the transmitter.
2. Insert four AA batteries, ensuring correct polarity, or connect the rechargeable LiPo battery pack.
3. Close the battery compartment cover securely.

## **2.3 Gimbal Mode Configuration**

The DX8e features a patent-pending gimbal mode-change switch, allowing easy adjustment between different control modes (Mode 1, 2, 3, or 4) without complex disassembly. This switch is located on the rear of the transmitter, beneath a protective cover.



Figure 4: Side view of the Spektrum DX8e 8-Channel DSMX Transmitter, showing the profile and switch locations.

## 2.4 Binding to an Aircraft

Refer to your aircraft's receiver manual for specific binding instructions. Generally, the binding process involves putting the receiver into bind mode and then initiating the bind sequence on the DX8e transmitter.

## 3. OPERATING THE TRANSMITTER

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### 3.1 Powering On and Off

To power on the transmitter, press and hold the power button located on the front panel until the screen illuminates. To power off, press and hold the power button again until the unit shuts down.

### 3.2 Menu Navigation

The DX8e features an intuitive menu system for configuring various settings. Use the scroll wheel and selection buttons to navigate through the Function List and adjust parameters.



*Figure 5: Close-up of the DX8e display, showing the 'Model Select' screen with a list of aircraft models.*

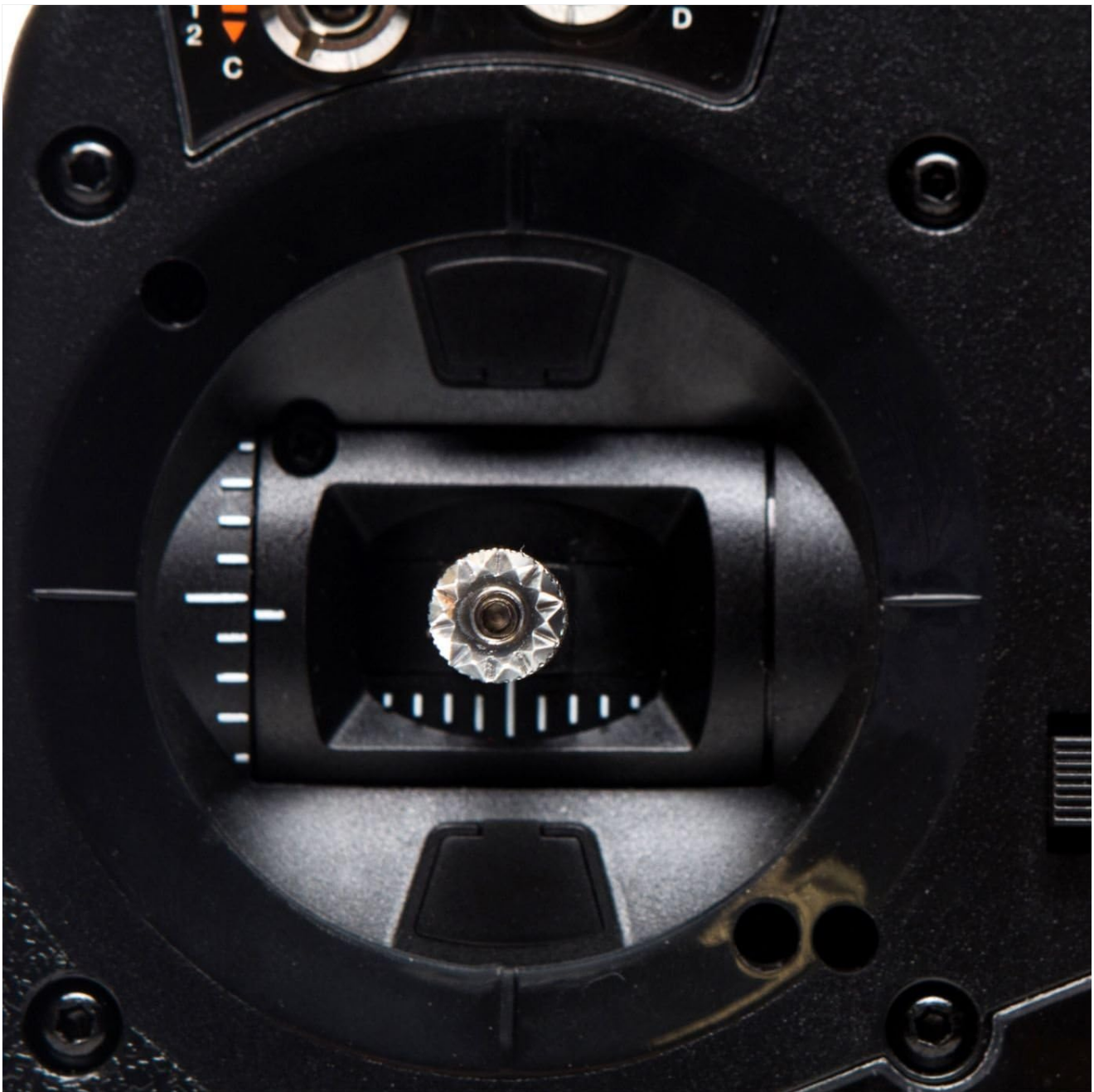
### 3.3 Model Programming

The DX8e supports programming for various aircraft types, including:

- Airplane
- Helicopter
- Sailplane
- Multirotor

Within the Function List, you can access settings for:

- **Servo Setup:** Adjust servo rates and directions.
- **D/R and Expo:** Configure dual rates and exponential for control surfaces.
- **Throttle Cut:** Set up a safety feature to instantly cut engine/motor power.
- **Throttle Curve:** Customize throttle response for different flight conditions.
- **Analog/Digital Switch Setup:** Assign functions to various switches.
- **Telemetry:** Monitor real-time data from compatible receivers.
- **Wing Types:** Select from 10 different wing types (e.g., normal, dual flap, V-tail A/B).
- **Flight Modes:** Utilize up to 5 programmable flight modes.
- **Throttle Curves:** Access 7-point throttle curves for precise control.
- **Mixes:** Configure up to 10 programmable mixes (normal or curve).



*Figure 6: Close-up view of a gimbal on the Spektrum DX8e, showing the textured grip and precise control mechanism.*

## **4. MAINTENANCE**

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### **4.1 General Care**

Keep your transmitter clean and free from dust and debris. Use a soft, dry cloth for cleaning. Avoid exposing the transmitter to extreme temperatures, moisture, or direct sunlight for prolonged periods.

### **4.2 Battery Care**

If using a rechargeable battery pack, follow the manufacturer's charging instructions. Do not overcharge or deep discharge the battery. If using AA batteries, replace them when the low battery warning appears to ensure reliable operation.

## **5. TROUBLESHOOTING**

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## 5.1 Loss of Signal / Range Issues

If you experience intermittent signal loss or reduced range, perform a range test. The DX8e includes a built-in range test function accessible through the Function List. Ensure your receiver antenna is properly installed and unobstructed. Check for potential interference sources in your flying area.

## 5.2 Control Surface Malfunction

If a control surface is not responding correctly, verify the servo connections to the receiver. Check the servo setup in the transmitter's Function List to ensure correct direction and travel limits. Inspect the servo and linkage for any physical damage or obstruction.

## 5.3 Display or Menu Issues

If the display is unresponsive or menus are not navigating as expected, try restarting the transmitter. Ensure the batteries are adequately charged. If issues persist, consult the manufacturer's support resources.

## 6. SPECIFICATIONS

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Feature	Detail
Model Number	SPMR8105
Channels	8
Frequency Band	2.4GHz DSMX
Product Dimensions	12.1 x 9.3 x 5.5 inches
Item Weight	1 pound
Recommended Age	14 years and up
Programming Types	Airplane, Helicopter, Sailplane, Multirotor
Gimbals	Smooth quad-bearing gimbals with multi-point front-access adjustments
Special Features	Ultra-simple Patent-Pending gimbal mode-change switch, Built-in telemetry and warning system

## 7. WARRANTY INFORMATION

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This product is covered by the manufacturer's warranty. Please refer to the warranty documentation included with your purchase or visit the Spektrum website for detailed terms and conditions.

## 8. SUPPORT

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For technical assistance, troubleshooting, or further information regarding your Spektrum DX8e transmitter, please contact Spektrum customer support directly. Their contact information can typically be found on the product packaging or their official website.

