FrSky XE

FrSky Tandem XE Tray Radio Transmitter User Manual

Model: XE

1. Product Overview

The FrSky Tandem XE is a state-of-the-art tray radio transmitter designed for remote control enthusiasts. It integrates simultaneous 2.4G and 900M dual-band technologies, offering robust and reliable communication. As the largest form factor in the TANDEM series, the XE provides extensive flexibility and a high quantity of switch inputs, catering to diverse RC applications.

Key Features:

- **Dual-Screen Color Display Design:** Features a 4.3-inch main color touch-screen for ETHOS operation and a smaller 2.4-inch color screen for additional, user-programmable information.
- **Modular Design and Flexibilities:** Equipped with multiple switch input slots and customizable switch blocks, allowing for extensive control customization and expansion.
- **Built-in Mass Storage:** Includes an 8GB flash storage for ample file storage and high data transmission speed.
- **Battery Extension Capability:** Designed with a larger battery bay to accommodate bigger battery packs beyond the included 4000mAh Li-Po battery.
- **Integrated Foldable Stand/Frame:** Provides a convenient solution for attaching a tray radio strap and can be easily stored within the radio body.

2. Product Components and Visual Guide



Figure 2.1: Front view of the FrSky Tandem XE Tray Radio Transmitter, showing the dual screens, gimbals, and various controls.



Figure 2.2: Rear view of the FrSky Tandem XE Tray Radio Transmitter, displaying the battery compartment cover and module bay.



Figure 2.3: Rear view of the FrSky Tandem XE Tray Radio Transmitter with the battery compartment cover open, revealing the battery bay.



Figure 2.4: Angled view of the FrSky Tandem XE Tray Radio Transmitter, highlighting the gimbals, side levers, and the main display.



Figure 2.5: The protective carrying case for the FrSky Tandem XE Tray Radio Transmitter, featuring the product logo.



Figure 2.6: The FrSky Tandem XE Tray Radio Transmitter securely placed inside its protective carrying case.

3. Initial Setup

3.1 Battery Installation

1. Locate the battery compartment on the rear of the transmitter (refer to Figure 2.3).
2. Open the battery compartment cover.
3. Insert the included 4000mAh Li-Po battery into the compartment, ensuring correct polarity. The transmitter also supports larger battery packs if needed.
4. Close the battery compartment cover securely.

3.2 First Power On

1. Ensure the battery is fully charged before first use.
2. Press and hold the power button located on the front panel until the main screen illuminates.

3. Follow the on-screen prompts to complete initial setup, including language selection and calibration if prompted.

4. Operating Instructions

4.1 Dual-Screen Operation

- The 4.3-inch main screen is a touch-screen interface for navigating the ETHOS operating system, model configuration, and general settings.
- The 2.4-inch secondary screen, positioned above the main screen, can display additional information. This content is user-programmable and can be customized via Lua scripts within the system.

4.2 Modular Design and Customization

- The Tandem XE features multiple switch input slots for expanding control capabilities.
- Customizable switch blocks can be replaced with alternative blocks to increase input options.
- Side CNC metal levers can be customized, for example, with optional self-centering accessories for controlling RC crawlers.
- Optional 3-axis extenders can be mounted on the gimbals for enhanced control, particularly useful for RC ground vehicles.

4.3 Basic Control Functions

- **Gimbals:** Control primary flight/driving surfaces (e.g., aileron, elevator, throttle, rudder).
- **Switches:** Activate various functions such as flight modes, gear retraction, or auxiliary controls.
- **Trims:** Fine-tune the neutral position of control surfaces.
- **Navigation Buttons/Scroll Wheel:** Used for menu navigation and parameter adjustment within the ETHOS system.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the transmitter's exterior. Avoid abrasive cleaners or solvents. For screens, use a microfiber cloth specifically designed for electronics.
- **Storage:** Store the transmitter in a cool, dry place, away from direct sunlight and extreme temperatures. Utilize the provided protective carrying case for transport and long-term storage.
- **Battery Care:** For optimal battery life, avoid fully discharging the Li-Po battery. If storing for extended periods, charge the battery to approximately 50% capacity.
- **Firmware Updates:** Periodically check the official FrSky website for firmware updates to ensure optimal performance and access to new features. Follow the provided instructions carefully for any update procedures.

6. Troubleshooting

Problem	Possible Cause	Solution
Transmitter does not power on.	Low or discharged battery; Incorrect battery installation.	Charge the battery; Reinstall battery correctly, ensuring proper polarity.

Problem	Possible Cause	Solution
Controls are unresponsive or erratic.	Binding issue; Interference; Damaged components.	Re-bind the transmitter to the receiver; Operate in an area with less interference; Contact support if components are suspected to be damaged.
Screen is blank or frozen.	Software glitch; Low battery.	Perform a hard reset (refer to manual for specific procedure); Charge the battery.
Cannot connect to receiver.	Incorrect binding procedure; Receiver not powered; Out of range.	Review and repeat the binding process; Ensure receiver is powered on; Move closer to the receiver.

7. Technical Specifications

Specification	Value
Product Dimensions	10 x 5 x 5 inches
Item Weight	11 pounds
Item Model Number	XE
Manufacturer Recommended Age	14 years and up
Batteries	1 AA batteries required (included)
Manufacturer	FrSky

8. Warranty and Support

FrSky products are manufactured to high-quality standards. For specific warranty information regarding your Tandem XE Tray Radio Transmitter, please refer to the warranty card included with your product or visit the official FrSky website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please visit the official FrSky Store or contact FrSky customer service directly. You can find more information and resources at the FrSky Store on Amazon.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question