Futaba FX-36

FUTABA FX-36 Professional Remote Control System User Manual

Model: FX-36 | Brand: Futaba

1. INTRODUCTION

The Futaba FX-36 is a flagship professional 18-channel remote control system designed for advanced model enthusiasts. It features an ergonomic design with a color touch screen and voice output, ensuring high standards of transmission security, functionality, and ease of use. This manual provides essential information for setting up, operating, and maintaining your FX-36 system.

Figure 1: Front view of the Futaba FX-36 remote control system, showcasing the large color touch screen and dual control sticks.

2. SETUP

Before operating your Futaba FX-36, ensure proper setup and initial configuration.

2.1. Unpacking and Inspection

- Carefully remove all components from the packaging.
- Verify that all items listed in the product packaging are present.
- Inspect the transmitter and receiver for any visible damage.

2.2. Initial Power-On

1. Ensure the battery is fully charged before first use.
2. Connect the battery to the transmitter.
3. Press and hold the power button until the screen illuminates.
4. The color touch screen will display the main menu.

2.3. Receiver Binding (R 7008SM)

To establish communication between the FX-36 transmitter and the R 7008SM receiver, a binding process is required. Refer to the specific instructions provided with the R 7008SM receiver for detailed binding procedures, as these may vary based on the receiver's firmware version.

2.4. Model Data Conversion

The FX-36 supports direct conversion of model data from FX22, FX30, FX32, T12FG, and T14SG systems. Model data from T16SZ and T18SZ are directly compatible. For T18MZ data, use the Model Data Converter V2.2 available from Futaba's download section on a PC.

3. OPERATING THE FX-36

The FX-36 offers extensive features for precise control and monitoring.

3.1. User Interface and Navigation

The large color touch screen provides intuitive menu navigation. The menu structure is clearly laid out for quick access to functions. Voice output is also available for enhanced user experience.

Figure 2: Detail of the FX-36 touch screen interface and linear control sliders.

3.2. Control Sticks and Switches

The FX-36 utilizes professional ST-57 cross segments for precise control, similar to the T18MZ. The ergonomic design of the switches and transmitters ensures fatigue-free operation. Two optional sticker switches are also available.

Figure 3: Close-up view of one of the high-precision control sticks on the FX-36.

3.3. Telemetry Functions

Numerous telemetry functions, identical to those found in the T18MZ and T14SG systems, are integrated. These functions allow real-time monitoring of various parameters from your model.

3.4. Modulation Types

The system supports all known modulation types:

- **FASST**
- **FASSTest**
- **T-FHSS**
- **FHSS**

3.5. Model Management

The FX-36 has an internal memory for 30 models, which can be expanded indefinitely via the integrated SD card slot. Model and user names can be up to 15 characters long. A dedicated multicopter menu has also been added.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Futaba FX-36.

4.1. Software Updates

The integrated SD card slot allows for future software updates, ensuring your system remains current with the latest features

and improvements. Regularly check the official Futaba website for available updates.

4.2. Cleaning and Storage

- Clean the exterior of the transmitter with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the FX-36 in a cool, dry place, away from direct sunlight and extreme temperatures.
- When not in use for extended periods, ensure the battery is charged to a storage voltage as recommended by the battery manufacturer.

Figure 4: Side view of the FX-36, highlighting the SD card slot and other connectivity ports.

5. TROUBLESHOOTING

This section provides guidance for common issues you might encounter.

5.1. Power Issues

- **No Power:** Ensure the battery is fully charged and properly connected. Check the power button for proper function.
- **Intermittent Power:** Verify all connections are secure.

5.2. Communication Issues

- **Loss of Signal:** Ensure the transmitter and receiver are properly bound. Check for interference in the operating environment.
- **Telemetry Data Not Displaying:** Verify the receiver is correctly configured for telemetry and that sensors are properly connected.

5.3. Screen or Input Issues

- **Unresponsive Touch Screen:** Try restarting the transmitter. Ensure the screen is clean and free of debris.
- **Stick/Switch Malfunction:** Check for any physical obstructions. If issues persist, contact Futaba support.

For more complex issues, refer to the comprehensive troubleshooting guide available on the Futaba support website or contact their customer service.

6. SPECIFICATIONS

Key technical specifications for the Futaba FX-36 system:

| Feature	Description
Model Name	FX-36
Channels	18 Channels
Modulation Types	FASST, FASSTest, T-FHSS, FHSS (2.4 GHz)
Control Sticks	Professional ST-57 Cross Segments
Display	Color Touch Screen with Voice Output
Telemetry	Integrated, compatible with T18MZ/T14SG functions
Model Memory	30 internal models, expandable via SD card
S.Bus Functions	New S.Bus functions included
Ergonomics	Ergonomic switches and transmitters, includes 2 aluminum extensions
Software Updates	Via integrated SD card slot
Languages	Menu in 9 languages

7. WARRANTY AND SUPPORT
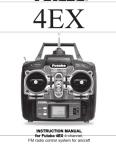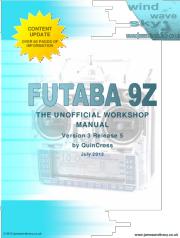
For warranty information and technical support, please refer to the documentation included with your product or visit the official Futaba website. Keep your proof of purchase for warranty claims.
Futaba Official Website: www.futabarc.com
For service and repairs, contact an authorized Futaba service center.

Related Documents - FX-36

Futaba 18SZ/18MZ Stickswitch Installation Guide

Detailed instructions for installing a stick switch upgrade on Futaba 18SZ and 18MZ radio transmitters, including required tools and step-by-step procedures. Covers installation in FX 36 models as well.

Futaba 8J-2.4GHz 8-Channel Radio Control System Instruction Manual

Comprehensive instruction manual for the Futaba 8J-2.4GHz 8-Channel Radio Control System. Covers setup, operation, programming, and safety for both ACRO (airplane) and HELI modes.

Futaba 4EX 4-Channel FM Radio Control System Instruction Manual

Comprehensive instruction manual for the Futaba 4EX 4-channel FM radio control system for aircraft. Covers setup, programming, safety guidelines, and accessories for RC model enthusiasts. Visit http://www.futaba-rc.com for updates.

Futaba 9Z Unofficial Workshop Manual: Servicing, Upgrades, and Repair Guide

Comprehensive unofficial workshop manual for the Futaba 9Z series RC transmitters, covering servicing, repair, maintenance, and upgrade procedures. Includes detailed instructions and troubleshooting for models like 9ZAP, 9ZHP, 9ZAW, and WC2.

Futaba File System Utility User Guide

Comprehensive user guide for the Futaba File System Utility software, detailing how to manage model data and telemetry logs for Futaba T12K, T14SG, FX-22, T12FG, T8FG, and FX-20 RC transmitters.

Futaba R614 FS FASST Empfänger Bedienungsanleitung

Bedienungsanleitung für den Futaba R614 FS FASST 4-Kanal RC-Empfänger. Enthält technische Daten, Einrichtungsanleitungen, Hinweise zur Anbindung und zum Einbau sowie Garantieinformationen.