GoolRC FBA_3ZA1427703612366RM

Flysky FS-GT2E AFHDS 2A 2.4ghz 2CH Radio System Instruction Manual

Model: FS-GT2E Transmitter with FS-A3 Receiver

Brand: GoolRC

1. Product Overview

The Flysky FS-GT2E is a reliable 2-channel 2.4GHz AFHDS 2A radio system designed for RC cars and boats. It offers interference-free operation and essential features for controlling your remote-controlled vehicles.

Key Features:

- Reliable, interference-free 2.4GHz AFHDS signal operation.
- Requires only 4*AA batteries for the transmitter.
- Adjustable steering dual-rate for precise control.
- Simple binding procedure for quick setup.
- 2-channel operation for basic control functions.

Figure 1: Overview of the Flysky FS-GT2E Transmitter and FS-A3 Receiver, highlighting features like 100-200 meter control distance, GFSK modulation, AFHDS frequency-hopping, sensitive control system, wide applicability, and 4*AA battery requirement. The image also shows icons for RC car and RC boat compatibility.

2. Component Identification

Familiarize yourself with the various parts of your FS-GT2E transmitter and FS-A3 receiver.

Figure 2: Detailed view of the FS-GT2E Transmitter and FS-A3 Receiver with labeled components. Transmitter labels include

ST Reverse, Power LED, ST Trim, Power Switch, TH Trim, Battery Box, BIND Key, TH Reverse, Steering Wheel, Power Check, Throttle Trigger, and ST D/R. Receiver labels include Fail Safe Key, Signal LED, BIND/VCC, and CH1-CH3 ports.

Transmitter Components:

- **Steering Wheel:** Controls the steering of your RC vehicle.
- **Throttle Trigger:** Controls forward and reverse movement (throttle).
- **Power Switch:** Turns the transmitter on or off.
- **Power LED:** Indicates the power status of the transmitter.
- **ST.REV (Steering Reverse Switch):** Reverses the steering channel direction.
- **TH.REV (Throttle Reverse Switch):** Reverses the throttle channel direction.
- **ST.TRIM (Steering Trim):** Adjusts the neutral position of the steering.
- **TH.TRIM (Throttle Trim):** Adjusts the neutral position of the throttle.
- **ST.D/R (Steering Dual Rate):** Adjusts the maximum steering angle.
- **BIND Key:** Used for pairing the transmitter with a receiver.
- **Battery Box:** Houses the 4 AA batteries for the transmitter.

Receiver (FS-A3) Components:

- **Signal LED:** Indicates the receiver's status (e.g., bound, no signal).
- **BIND/VCC Port:** Used for binding and power input.
- **CH1-CH3 Ports:** Connectors for servos and ESC (Electronic Speed Controller).
- **Fail Safe Key:** Used to set fail-safe functions.

3. Setup and Binding

3.1. Battery Installation

1. Remove the battery compartment cover located at the bottom of the transmitter.
2. Insert 4 fully-charged AA batteries into the compartment. Ensure correct polarity (+/-).
3. Replace the battery compartment cover securely.

Figure 3: The battery compartment of the FS-GT2E transmitter, showing where to insert the 4 AA batteries.

3.2. Binding Procedure (Transmitter and Receiver Pairing)

All receivers are already paired with their respective transmitter during production. If you wish to bind it with another transmitter, please follow these instructions. **Remark:** FS - brand system is not compatible with other brands.

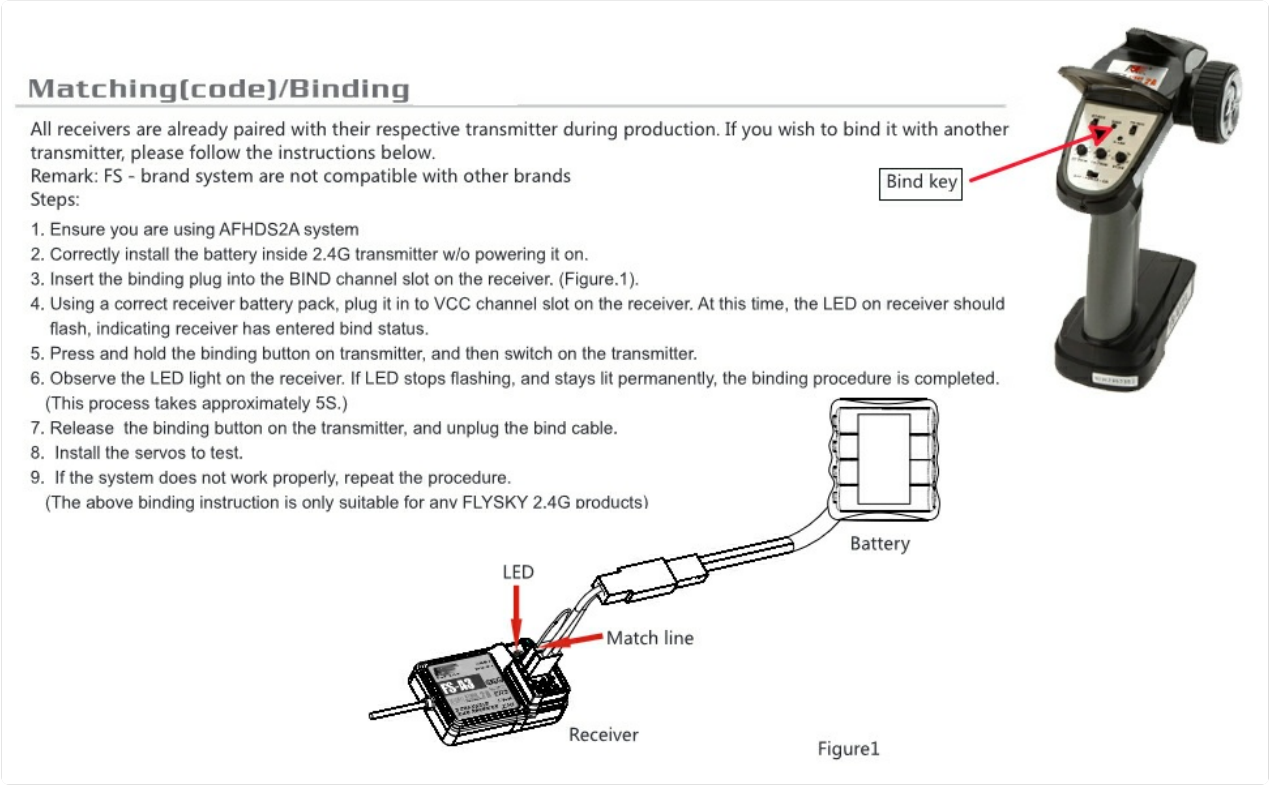

Figure 4: Step-by-step visual guide for binding the FS-GT2E transmitter with the FS-A3 receiver, showing the connection of the bind plug and battery to the receiver, and the location of the bind button on the transmitter.

1. Ensure you are using an AFHDS2A system.
2. Correctly install the battery inside the 2.4G transmitter without powering it on.
3. Insert the binding plug into the BIND channel slot on the receiver.
4. Using a correct receiver battery pack, plug it into the VCC channel slot on the receiver. At this time, the

LED on the receiver should flash, indicating the receiver has entered bind status.

5. Press and hold the binding button on the transmitter, and then switch on the transmitter.
6. Observe the LED light on the receiver. If the LED stops flashing and stays lit permanently, the binding procedure is completed. (This process takes approximately 5 seconds).
7. Release the binding button on the transmitter, and unplug the bind cable from the receiver.
8. Install the servos to test.
9. If the system does not work properly, repeat the procedure.

Note: The above binding instruction is only suitable for any FLYSKY 2.4G products.

4. Basic Operations

4.1. Power On/Off Sequence

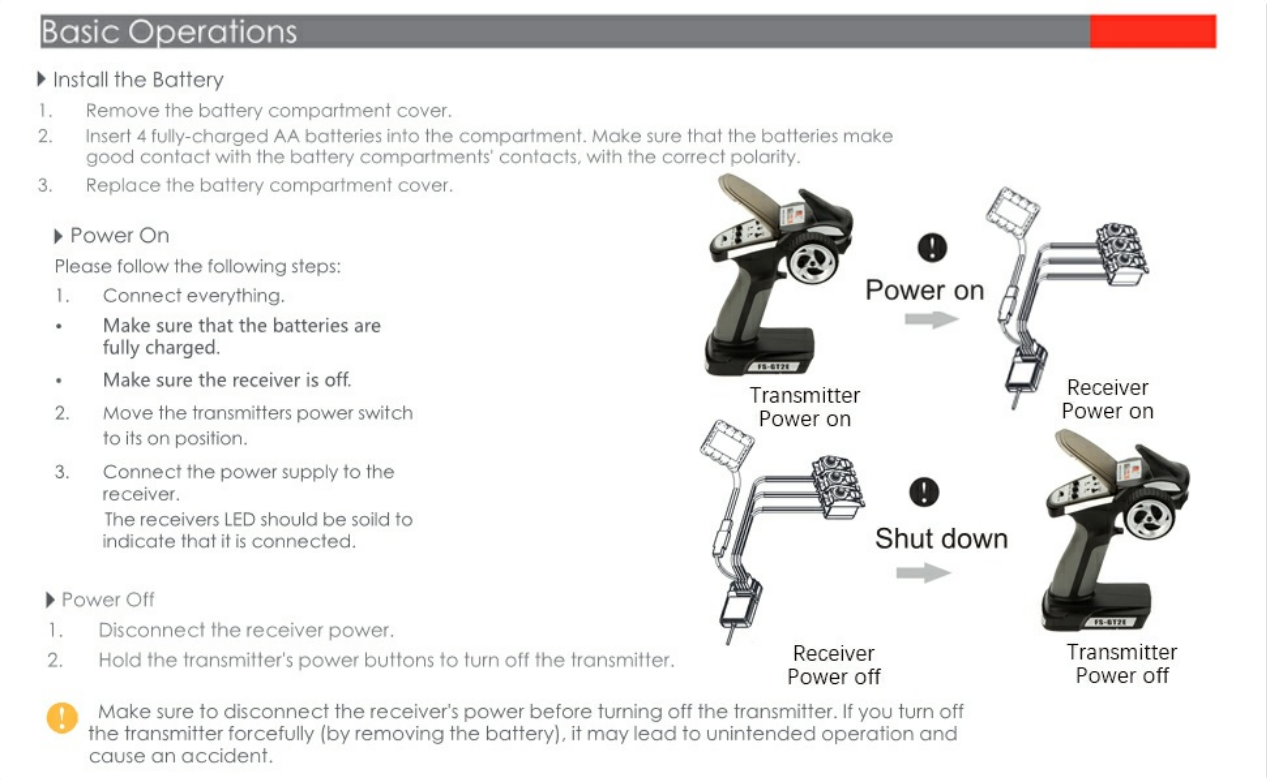

Figure 5: Visual guide for the correct power-on and shut-down sequence of the transmitter and receiver.

Power On:

1. Connect all components (servos, ESC) to the receiver.
2. Ensure the transmitter batteries are fully charged.
3. Make sure the receiver is off.
4. Move the transmitter's power switch to its ON position.
5. Connect the power supply to the receiver. The receiver's LED should be solid to indicate it is connected.

Power Off:

1. Disconnect the receiver power.
2. Hold the transmitter's power button to turn off the transmitter.

Important: Make sure to disconnect the receiver's power before turning off the transmitter. If you turn off the transmitter forcefully (by removing the battery), it may lead to unintended operation and cause an accident.

4.2. Steering and Throttle Control

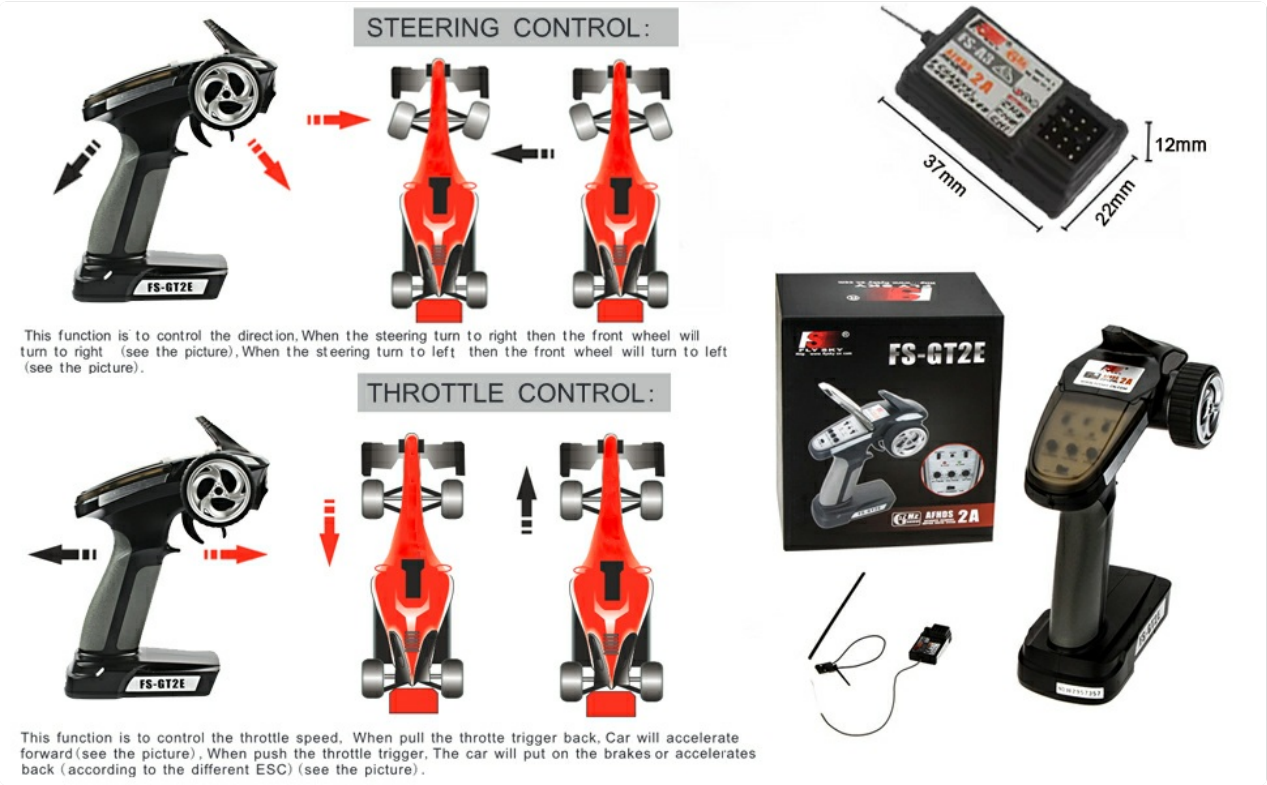

Figure 6: Visual representation of how to control steering and throttle using the FS-GT2E transmitter. Steering is controlled by rotating the wheel, and throttle by pulling or pushing the trigger.

Steering Control: This function controls the direction of your RC vehicle. When the steering wheel is turned to the right, the front wheels will turn right. When the steering wheel is turned to the left, the front wheels will turn left.
Throttle Control: This function controls the speed and movement of your RC vehicle. When you pull the throttle trigger back, the car will accelerate forward. When you push the throttle trigger forward, the car will brake or reverse (depending on the Electronic Speed Controller settings).

5. Care and Maintenance

- Keep the transmitter and receiver clean and free from dust and dirt. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Remove batteries from the transmitter if it will not be used for an extended period to prevent leakage.
- Store the radio system in a dry, safe place away from children and pets.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage.

6. Troubleshooting

Problem	Possible Cause	Solution
No power to transmitter	Dead or incorrectly installed batteries.	Check battery polarity and replace with fresh AA batteries.
Receiver LED flashing/no signal	Not bound to transmitter, out of range, or power issue.	Perform the binding procedure again. Ensure transmitter is on and within range. Check receiver power connection.
Vehicle not responding to controls	Receiver not powered, servos/ESC not connected correctly, or trim settings are off.	Verify receiver power. Check all cable connections to the receiver. Adjust ST.TRIM and TH.TRIM.
Steering/Throttle reversed	Channel reverse switch is engaged.	Toggle the ST.REV or TH.REV switch to the correct position.
Limited steering angle	Steering Dual Rate (ST.D/R) is set too low.	Adjust the ST.D/R knob to increase the steering throw.
Bright status lights	Normal operation, but can be distracting.	Consider applying a few layers of masking tape or using a sharpie to dull the lights if they are too bright.

7. Product Specifications

Feature	Detail
Product Dimensions	9.25 x 7.6 x 4.13 inches
Item Weight	1.1 pounds
Country of Origin	China
Item Model Number	FBA_3ZA1427703612366RM
Manufacturer Recommended Age	14 years and up
Manufacturer	GoolRC
Channels	2 Channels
Frequency	2.4GHz AFHDS 2A
Modulation Mode	GFSK
Power Supply	4 x AA Batteries (Transmitter)

8. Warranty Information

Specific warranty details for this product are not provided in the available information. Please refer to the product packaging or contact GoolRC customer support for warranty terms and conditions.

9. Customer Support

For further assistance, technical support, or inquiries, please visit the official GoolRC store or contact their customer service channels. Specific contact information is not provided in the available data.
You can visit the GoolRC Store at: GoolRC Amazon Store