

GoolRC Noble NB4+

GoolRC Flysky Noble NB4+ Radio Transmitter User Manual

Model: Noble NB4+

Brand: GoolRC

1. INTRODUCTION AND OVERVIEW

The GoolRC Flysky Noble NB4+ is a high-performance 2.4GHz 8-channel radio transmitter designed for precise control of RC cars and boats. This system utilizes the advanced AFHDS 3 protocol, ensuring reliable and fast communication. This manual provides essential information for the proper setup, operation, and maintenance of your Noble NB4+ transmitter and the included FGr4S V2 receiver system.



Image: The GoolRC Flysky Noble NB4+ Radio Transmitter and its accompanying FGr4S V2 Receiver.

2. PACKAGE CONTENTS

Before proceeding with setup, please verify that all components are present in your package:

- 1x Flysky Noble NB4+ Transmitter
- 1x Flysky FGr4S V2 Receiver
- 1x USB Cable
- 1x Accessories kit (includes different grips and extra springs)



To establish communication between the transmitter and receiver, a binding process is required. Refer to the detailed instructions provided in the separate quick start guide for the specific binding procedure for the FG4S

V2 receiver.



Image: Detailed view of the Flysky FGr4S V2 Receiver, showing its compact size and connection ports.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

To power on the transmitter, press and hold the power button for approximately 1-2 seconds. Repeat the process to power off the device.

4.2. Basic Controls

The Noble NB4+ features a standard pistol-grip design with a steering wheel for directional control and a

trigger for throttle input. Familiarize yourself with the physical layout and feel of these controls.

4.3. Touch Screen Navigation

The 3.5-inch 320x480 full dot matrix color IPS touch screen allows for intuitive navigation through menus and settings. Tap icons and swipe to access various functions and adjustments.

High Brightness Outdoor Screen

The new 3.5-inch 320*480 resolution IPS high-brightness outdoor display screen is not afraid of the strong sunlight, and presents you with bright colors and clear picture details, making the bright parts more dazzling and the dark parts deeper, making the picture real, full and full of layers. , easily meet your outdoor display needs.



NB4+
Screen brightness data of the brightness testing device



NB4
Screen brightness data of the brightness testing device



Image: The Noble NB4+ transmitter's high-brightness outdoor display, designed for clear visibility in various lighting conditions.

4.4. Channel Customization

The transmitter allows for customizing channel names, making it easier to identify and manage the function of each channel in real-time. This feature enhances user understanding and control.

Added Customizing Channel Names Function

The the function of customizing channel names is added, which makes display more intuitive and allows users to easily understand the function of each channel in real-time.

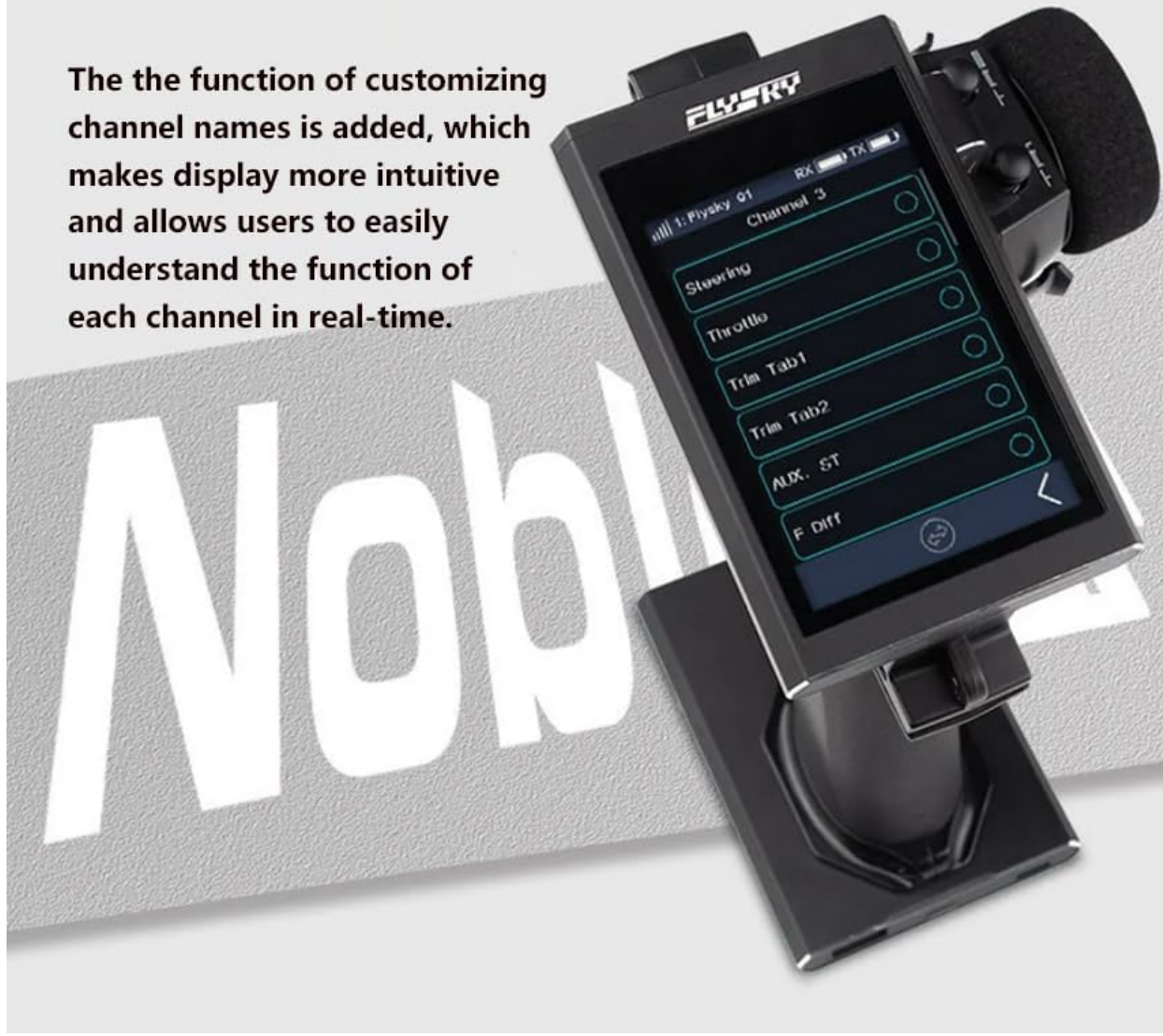


Image: The channel customization interface on the Noble NB4+ screen, allowing users to rename channels for clarity.

4.5. Advanced Features

- **Trainer Mode:** The USB Type-C interface supports a coach mode, enabling interactive teaching with dual-ended Type-C data cables.
- **Head Tracking Functionality:** Connect a head tracking device via the dedicated cable to experience immersive control.
- **Colorful UI Design:** Customize themes and wallpapers on the display for a personalized user experience.

Brand New Type-C Port Which Includes Two Hidden Features

The data interface is optimized by the USB Type-C interface, which is more stable in connection and more versatile. Not only does it support coach mode, where dual-ended Type-C data cables enable interactive teaching, but it also supports head tracking functionality. By connecting a head tracking device via the dedicated cable, users can experience the speed and excitement of real life. The coach mode helps users pass on skills effortlessly, while the head tracking functionality immerses users in the action.



Image: The USB Type-C port on the Noble NB4+ transmitter, used for data output, charging, and advanced functionalities like trainer mode and head tracking.

5. SPECIFICATIONS

5.1. Noble NB4+ Transmitter Specifications

Feature	Detail
Compatible Receiver	FGr4S V2 and other All AFHDS 3 protocol receivers
Compatible Models	Car or Boat
Number of Channels	8
Wireless Frequency	2.4GHz ISM
Maximum Power	<20 dBm

Low Voltage Alarm	<3.65V
Data Output	USB Type-C
Charging Interface	USB Type-C
Antenna Type	Built-in single antenna
Display	3.5-inch 320*480 full dot matrix color IPS touch screen
Resolution	4096
Input Power	1S (4.35V)*4300mAh Lithium Polymer Battery + 3450mAh 18650 Battery
Distance	>300m (Ground distance without interference)
Online Update	Yes
Temperature Range	-10°C ~ +60°C
Humidity Range	20%~95%
Size	131.41*115.95*190.56mm
Weight	520g

5.2. FGr4S V2 Receiver Specifications

Feature	Detail
PWM Channel	4
Wireless Frequency	2.4GHz
Wireless Protocol	AFHDS 3
Antenna Type	Built-in single antenna
Power	3.5-8.4V
Data Port	PWM / PPM / i.bus/S.BUS
Temperature Range	-10°C ~ +60°C
Humidity Range	20% -95%
Transmission Power	<20dBm
Working Current	25mA/5V
Display	LED Indicator
Online Update	Yes
Size	26*22*17.3mm
Weight	5.1g

6. MAINTENANCE

6.1. Cleaning

Regularly clean the transmitter and receiver with a soft, dry cloth. Avoid using harsh chemicals or solvents that could damage the plastic or electronic components.

6.2. Battery Care

To prolong battery life, avoid overcharging or completely discharging the lithium polymer batteries. Store the device in a cool, dry place when not in use for extended periods.

6.3. Firmware Updates

The Noble NB4+ supports online firmware updates via its USB Type-C interface. Periodically check the official GoolRC or Flysky website for the latest firmware versions to ensure optimal performance and access to new features.

7. TROUBLESHOOTING

7.1. No Power

- Ensure batteries are properly installed and charged.
- Verify the power button is pressed and held for the required duration.

7.2. No Signal/Loss of Control

- Confirm the receiver is correctly bound to the transmitter.
- Check for potential 2.4GHz radio signal interference from other devices.
- Ensure the model is within the operational distance (>300m ground distance without interference).
- Avoid gripping the transmitter antenna during operation, as this can degrade signal quality.

7.3. Display Issues

- If the screen is unresponsive, try restarting the transmitter.
- Ensure the screen is clean and free from debris.

8. SAFETY INFORMATION

Please adhere to the following safety guidelines to ensure safe operation and prevent loss of control:

- To avoid 2.4Ghz radio signal interference, always keep your model in sight and within 300m. Ensure there are no other signals around that may block the RF signal and lead to loss of control.
- Never grip the transmitter antenna during operation. Doing so significantly degrades signal quality and strength and may cause loss of control.

- This product is recommended for users aged 14 years and up.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation included with your product or visit the official GoolRC website. Keep your proof of purchase for any warranty claims.