

Transmitter Specifications

- Model: S10
- CH Num: 10CH
- Antenna: Built-in single antenna
- Display: 3.13-inch 376x960 full dot matrix IPS display
- Power: 2600mAh 18650 battery + AAA battery × 4
- Control Range: >200m (open and interference-free ground conditions)
- Dimensions: 124mm*101mm*188mm
- Weight: 365g
- Compatible Models: vehicle、boat
- Transmit Power: <100mW

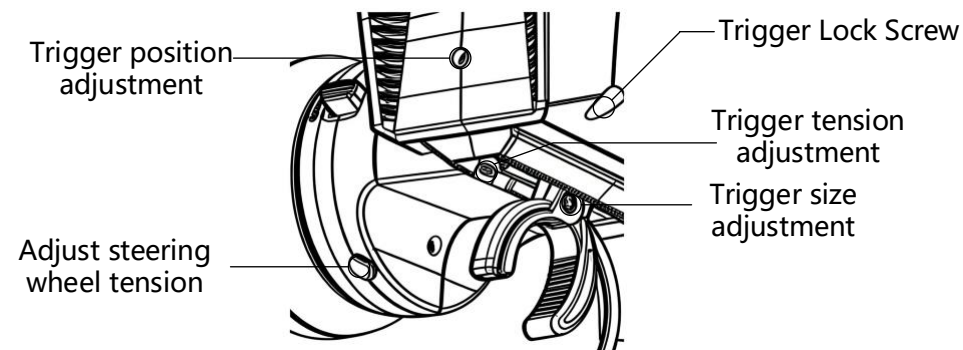
Receiver Specifications

- Model: S10RX
- PWM Ch num: 10
- Antenna: External single antenna
- Operating Voltage: 5~9V/DC
- Compatible Models: vehicle、boat
- Transmit Power: <100mW

Package Contents

- S10 Transmitter × 1
- Quick start guide × 1
- TypeC USB wire × 1
- L-size silicone grip× 1
- S-size silicone grip (pre-installed) × 1
- 18650 Lipo battery(pre-installed) × 1
- S10 receiver × 1
- BVD wire × 1
- Wrist strap × 1

Transmitter Grip Customization



*Before adjusting the Trigger position, loosen the trigger lock screw. After adjustment, tighten it securely.

Transmitter Main Interface

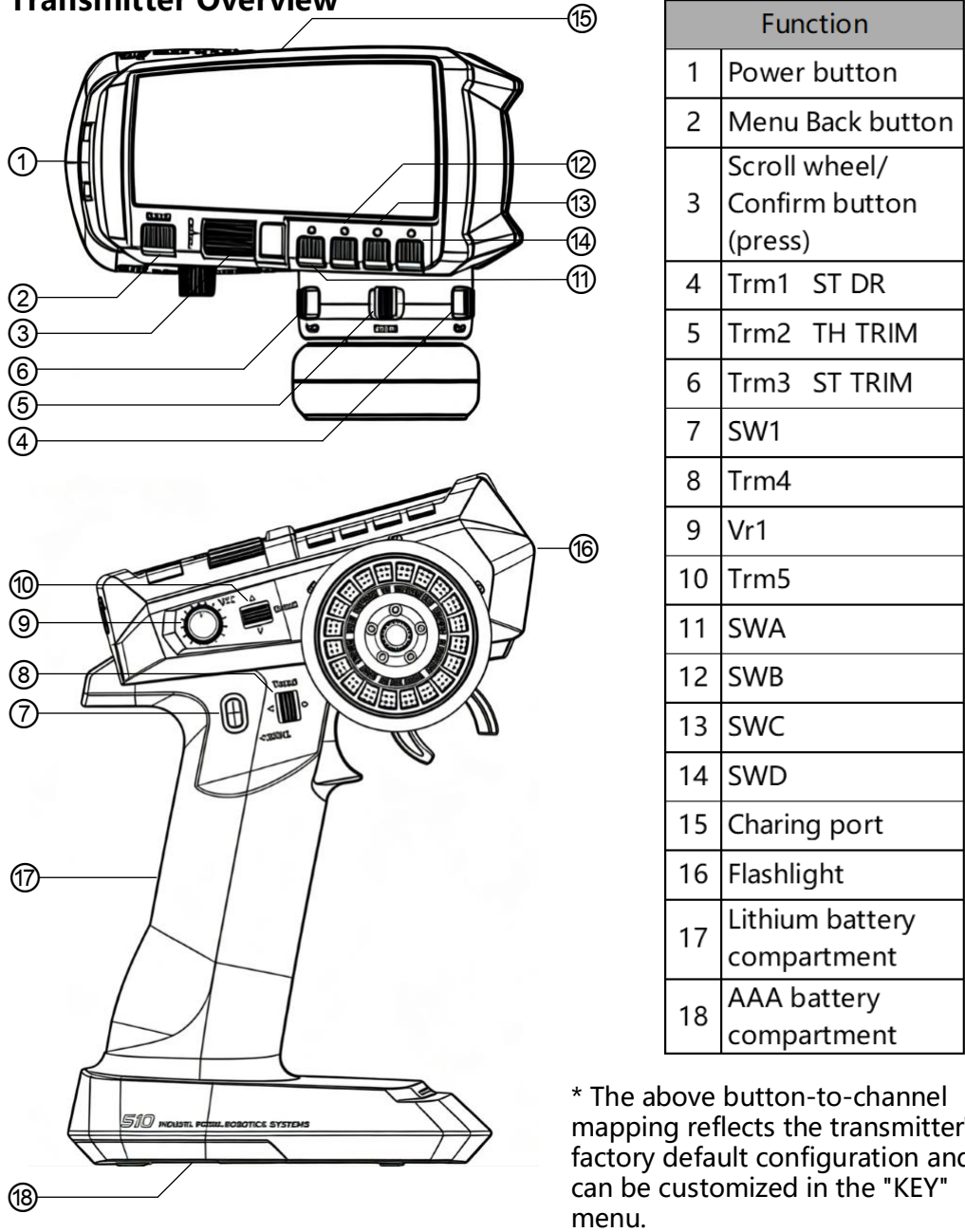


Quick Info Area: Scroll the wheel to switch between the following 5 sets of quick information: 1)Battery Voltage / BEC Voltage; 2)Receiver Attitude/Receiver acceleration; 3)Real-time Vehicle Speed / Maximum Speed; 4)Motor Temperature / ESC Temperature;5)Lap Timer Statistics.

Channel & Basic Settings Quick-View Area: 1)Displays real-time status of ST (Steering), TH (Throttle), and CH3-CH6; 2)Shows TH TRIM (Throttle Trim) and ST TRIM (Steering Trim); 3)Indicates ST DR (Steering Dual Rate), TH DR (Throttle Dual Rate), and BRAKE DR (Brake Dual Rate)

Function Status Quick View Area: Displays the status of functions assigned to each channel. The channel functions and corresponding display icons can be configured in the "KEY" menu.

Transmitter Overview



Transmitter Menu



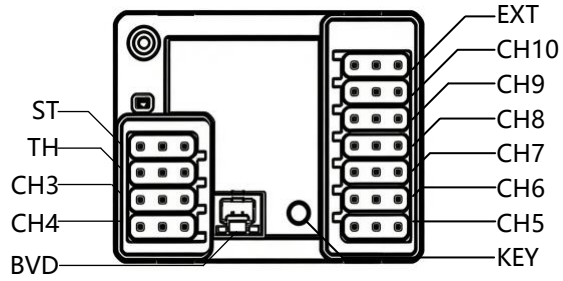
- On the transmitter's main interface, click the "Confirm" button to enter the Remote Control Settings Menu.
- The settings menu has three levels (primary, secondary, tertiary). Use the scroll wheel to navigate options.
- Click "Confirm" to proceed to the next level.
- Click the "Back" button to return to the previous menu level.

Fail-safe Settings



- In the menu Receiver → Fail-safe, configure independent fail-safe settings for each channel.
- If fail-safe is OFF for a channel: When the transmitter signal is lost, the channel output maintains its last valid state. If fail-safe is ON for a channel: When the signal is lost, the channel outputs the preset fail-safe value.
- To set fail-safe values: 1)Select the target channel via the scroll wheel; 2)Set the channel's fail-safe to OFF; 3)Adjust the channel output to the desired fail-safe position; 4)Click "Confirm" to enable fail-safe for that channel.

Receiver Overview



Receiver EXT Expansion Port

The EXT port connects external devices for added functionality.

- GPS Module: Provides real-time position, speed, and heading data.

- Temperature Module: Monitors ESC and motor temperature.

Banding

- Power on the receiver, press and hold its button for 3 seconds. Release the button once the blue LED starts fast blinking to enter binding mode.
- On the transmitter, navigate to the menu: Receiver -> Binding. Select "Standard Protocol" and press the "Bind" button.
- A solid receiver Blue LED indicates successful pairing.

Receiver Gyro Calibration

To ensure the accuracy of gyro data and attitude calculation, perform calibration after initial receiver installation or when vehicle attitude is abnormal.

- Ensure the transmitter and receiver are connected (the receiver's blue LED is steadily lit), and place the vehicle stationary on level ground.
- Navigate to Receiver → GYRO FUNC and press "Gyro calibration".
- Confirm the vehicle is level in the pop-up, then press "Yes".
- The receiver red LED will show a "three flashes, one pause" pattern. The screen prompts: "Lift the front vertically." Lift the front wheels until the vehicle is upright.
- A "Calibration Successful" pop-up completes the process.

Safety Warnings and Important Notes:

Operating RC models carries risk. You must read and follow all safety guidelines below to ensure everyone's safety.

Battery Charging and Power Safety

【Warning】: Charge on a fireproof surface under watch. Never overcharge or leave batteries unattended to prevent fire or explosion.

【Important】: The correct power-on/power-off sequence is fundamental to safety: When turning on, power on the transmitter first, then the model. When turning off, power off the model first, then the transmitter. An incorrect sequence may cause the model to run out of control.

Environment and Location Inspection

【Caution】: Do not use in rain, snow, standing water, fog, thunderstorms, or other severe weather and low visibility conditions.

【Warning】: Stay away from crowds, roads, high-voltage power lines, communication base stations, airports, and navigable waters. These locations pose extremely high interference risks and endanger public safety.

Mandatory Setup and Checks Before Use

【Important】: Conduct a range test on first use, after location change, or with multiple devices to confirm control range and signal stability.

【Mandatory】: Correctly set the throttle channel fail-safe on the transmitter so the vehicle automatically brakes or idles if signal is lost.

【Important】: Before start, ensure model is secure and all servo directions match transmitter commands to prevent reverse control.

Core Operating Standards

【Warning】: Never hold or block the transmitter antenna. Always keep the model in clear sight to avoid signal blockage.

【Caution】: Maintain concentration, estimate safe distances, and pay close attention to the model's status and the surrounding environment. High-speed rotating propellers, wheels, and high-temperature motors pose serious injury risks.

Your Responsibility

【Danger】: Remote control models are not toys. Improper operation may cause serious property damage and personal injury. You are responsible for reading the entire instruction manual and strictly complying with local laws and regulations to operate safely.

Disclaimer:

Function Changes: The product software will be continuously updated. Functions, interfaces, and performance may be adjusted accordingly. The final right to interpret all changes belongs to Sense Innovations.

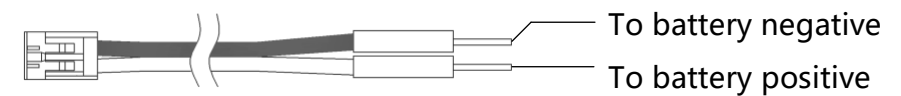
Safe Operation: Users must only operate this product in safe, legal, and open areas. The company is not liable for any injury, damage, or legal disputes resulting from improper use, unauthorized modifications, or operation in hazardous locations (such as near roads, crowds, or bodies of water).

Compliant Use: Users are responsible for ensuring their use complies with the radio management, flight, and driving regulations of their country or region. Any liability arising from non-compliant use shall be borne solely by the user.

Liability Waiver: To the maximum extent permitted by law, the company shall not be liable for any indirect, incidental, special, or consequential damages (including but not limited to data loss, profit loss, business interruption) arising from the use of this product.

This Quick Start Guide is intended to help users get started with the product quickly. Users should visit the official website www.sensehobby.com to obtain, read, and follow the latest complete instructions, safety warnings, and software updates to ensure safe and compliant operation.

Battery Voltage Detection (BVD)



Connect the BVD cable to the receiver's BVD port, with the black wire to the battery balance lead's negative terminal and the white wire to its power terminal. Once the system is powered on, the battery voltage will be displayed on the transmitter's main interface.

Flashlight

Double-click the power button to toggle the flashlight on/off.

Transmitter Power Supply

The transmitter is powered by a built-in 1S 18650 battery or 4x AAA batteries, with automatic switching based on preset priority (default: Li-ion first). The built-in 18650 battery can be recharged via the Type-C port when low.

Remote Controller Firmware OTA Update

You can update the S10 transmitter's firmware over Wi-Fi in the System -> OTA menu.

Note: Ensure the transmitter's lithium battery has sufficient charge before starting the update. Do not power off the device during the process.

Receiver Firmware OTA Update

You can update the S10RX receiver's firmware over Wi-Fi in the Receiver -> Receiver Update menu.

Important: Ensure the receiver has a stable power supply throughout the entire update process. Do not disconnect power.