

Transmitter Specifications

- Model: S10
- CH Num: 78CH
- Antenna: Built-in single antenna
- Display: 3.13-inch 376x960 full dot matrix IPS display
- Power: 2600mAh 18650 battery + AAA battery × 4
- Control Range: >250m (open ground distance without interference)
- Dimensions: 124mm*101mm*188mm
- Compatible Models: vehicle、boat
- Transmit Power: 18dBm

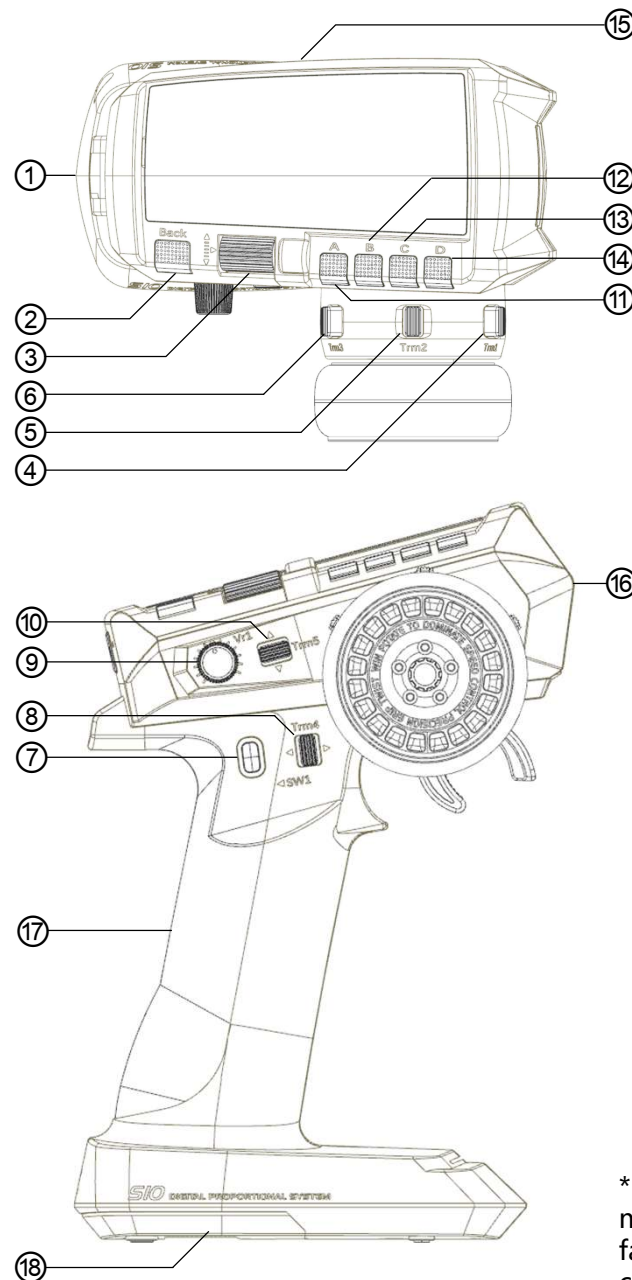
Receiver Specifications

- Model: S10 RX
- PWM Ch num: 10
- Antenna: External single antenna
- Operating Voltage: 5~9V/DC
- Compatible Models: vehicle、boat
- Waterproof :

Package Contents

- S10 Transmitter × 1
- Quick start guide × 1
- TypeC USB wire × 1
- M-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

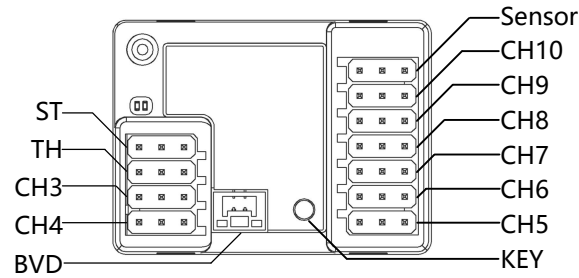
Transmitter Overview



Function	
1	Power button
2	MenuBack button
3	Scroll wheel/ Confirm button (press)
4	Trm1 (ST DR)
5	Trm2 (TH TRIM)
6	Trm3 (ST TRIM)
7	SW1 (CH3)
8	Trm4 (CH4)
9	Vr1 (CH5)
10	Trm5 (CH6)
11	SW A (CH7)
12	SW B (CH8)
13	SW C (CH9)
14	SW D (CH10)
15	Charging port
16	Flashlight
17	Lithium battery compartment
18	AAA battery compartment

* The above button-to-channel mapping reflects the transmitter's factory default configuration and can be customized in the "KEY" menu.

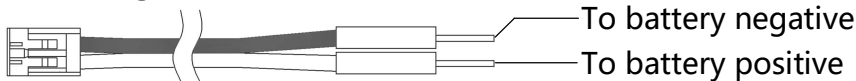
Receiver Overview



Banding

- In receiver power-on state, click the button once - rapid LED flashing indicates entry into frequency pairing mode.
- On the transmitter, navigate to the menu: MODEL -> BIND. Select "Standard Protocol" and click the "Bind" button.
- A solid receiver LED indicates successful pairing.

Battery Voltage Detection (BVD)



Connect one end of the BVD wire to the receiver's BVD port, the black wire to the negative terminal of the battery balance lead, and the white wire to the power terminal of the battery balance lead. After powering on the system, the battery voltage will be displayed on the transmitter's main interface.

Flashlight

Double-click the power button while the transmitter is powered on to toggle the flashlight on/off.

Transmitter Power Supply

The transmitter is powered by either a 1S Li-ion battery or 4 AAA batteries. It automatically selects and switches between power sources based on the preset battery priority and current battery levels. By default, it prioritizes using the built-in Li-ion battery for power supply. When the Li-ion battery is low, it can be charged via the Type-C charging port.

Remote Controller Firmware OTA Update

The S10 transmitter supports OTA firmware updates via WiFi. The OTA update procedure is as follows:

- Navigate to the menu: System → OTA.
- Click the "Search" button to scan for WiFi networks, then select the desired WiFi hotspot.
- Enter the WiFi password and connect. Wait for the WiFi connection to succeed.
- Click "Update" to begin the upgrade process.

Note: Ensure the transmitter's Li-ion battery has sufficient charge before updating. Do not power off during the upgrade process.

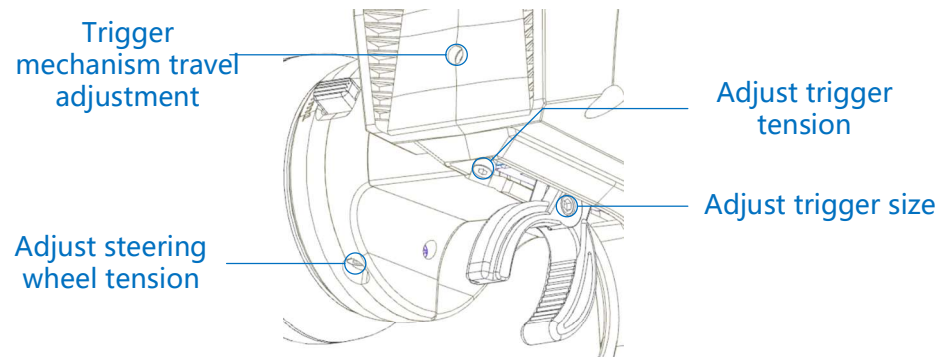
Receiver Firmware OTA Update

The S10 transmitter can perform OTA firmware updates on the S10 receiver. The OTA update procedure is as follows:

- Ensure the transmitter and receiver are connected, with the receiver's blue LED solid on.
- Navigate to the menu: Receiver → Receiver OTA.
- Click the "Search" button to scan for WiFi networks, then select the desired WiFi hotspot.
- Enter the WiFi password and connect. Wait for the WiFi connection to succeed.
- Click the "RX upgrade" button to start the firmware download process. The transmitter will transfer the firmware to the receiver, during which the LED will alternate between red and blue.
- After successful receiver update, the transmitter will display "Receiver Update Successful", and the receiver's blue LED will remain solid.

Note: During the upgrade process, ensure stable power supply to the receiver and do not disconnect power.

Transmitter Grip Customization



Transmitter Main Interface



Receiver Telemetry Data Area: Press the "Back" button to cycle through the following 4 sets of receiver telemetry data: 1) Battery Voltage / BEC Voltage; 2) Receiver Attitude; 3) Real-time Vehicle Speed / Maximum Speed; 4) Motor Temperature / ESC Temperature.

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 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.

Start Using

- Power on the receiver. The receiver's blue LED will blink briefly every 3 seconds, indicating it is searching for the transmitter.
- Press and hold the transmitter's power button to turn it on. Navigate to the menu: MODEL → BIND.



- Click the button on the receiver. The receiver's LED will switch to rapid flashing, indicating it has entered BIND mode.
- In the transmitter's BIND menu, select Standard Protocol and click the BIND button to start the binding process.
- When the transmitter interface displays "Bind Success" and the receiver's blue LED changes from rapid flashing to solid on, it indicates successful binding between the transmitter and receiver.
- At this point, the transmitter's top-left corner will display the receiver's signal strength.
- Click the "Back" button to return step-by-step to the main interface, where you can view the receiver's telemetry data. Then, click "Back" again to toggle between different telemetry display options.

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/ TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with FCC and Industry Canada radiation exposure limits set forth for general population. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: 1. This device may not cause interference. 2. This device must accept any interference, including interference that may cause undesired operation of the device.

Specific Absorption Rate (SAR) information:

This product meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement that the SAR limit of USA (FCC) for limbs Limit is 4.0 W/kg@10g and body Limit is 1.6 W/kg@1g. The evaluation distance for limbs is 0 mm and body is 10mm.