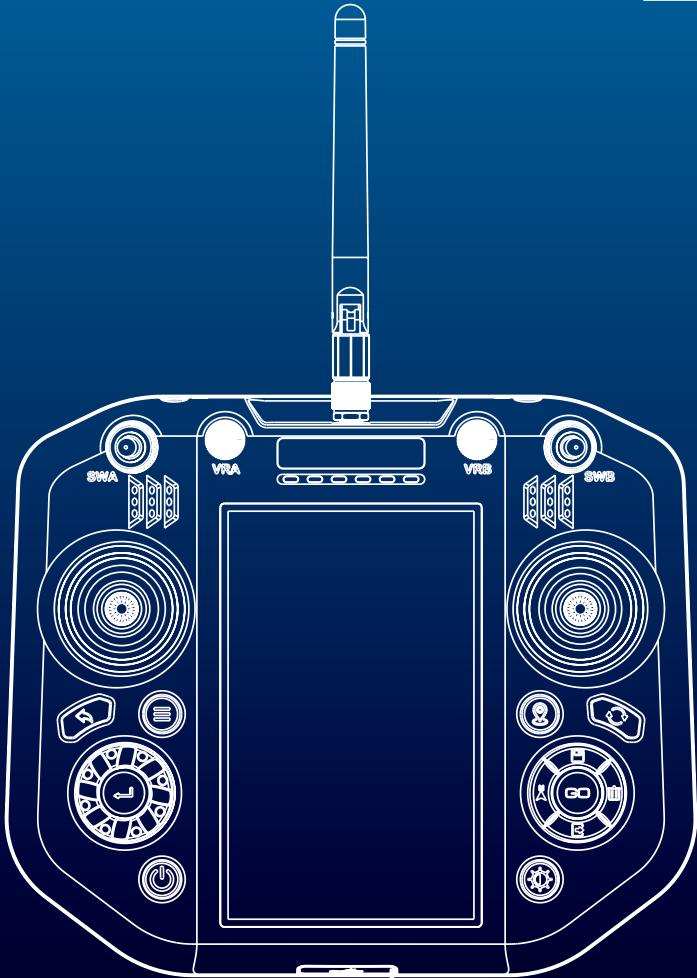


FS-HF-BT12



Quick Start Guide

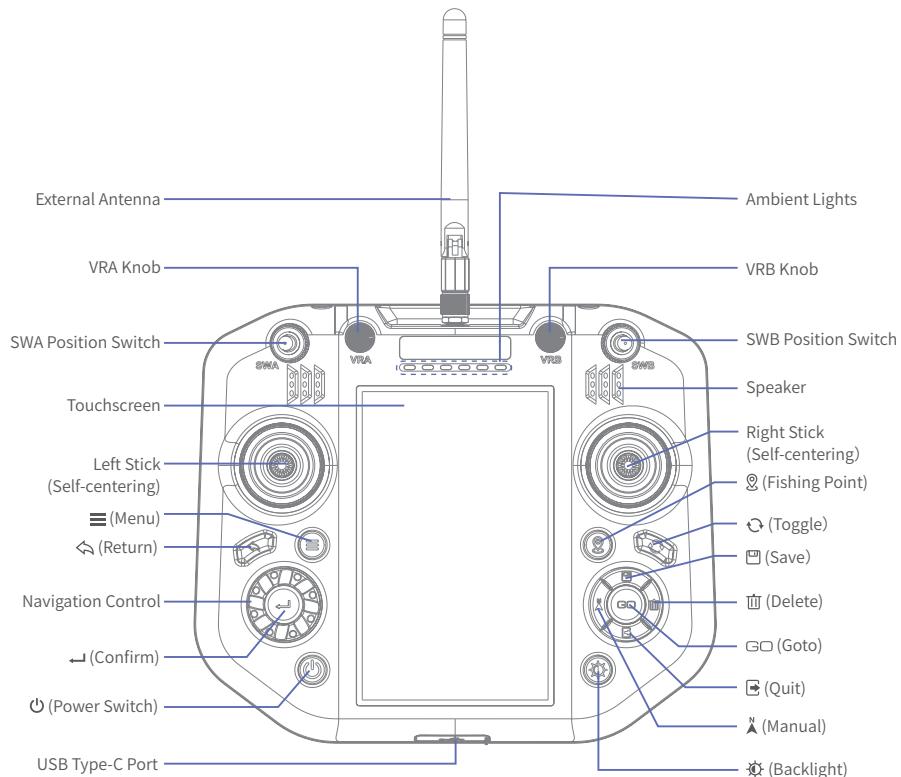
Precautions!

For your own safety: make sure to download and read the Disclaimer & Warning documentation from the Flysky website before using this product.

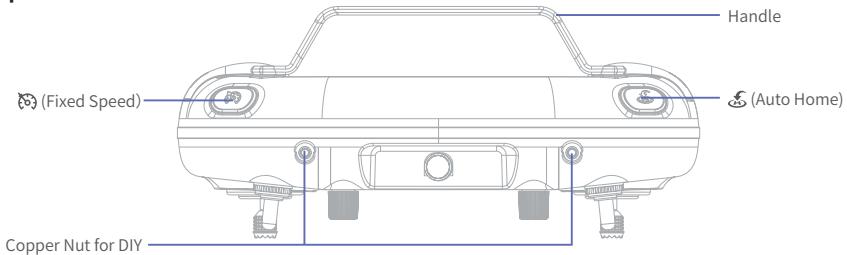
Flysky Website :www.flysky-cn.com

1. For best signal quality the transmitters antenna must be kept at least 20 cm away from all your body and must not be juxtaposed or operated close to other transmitters. Antenna installation instructions and transmitter operating conditions that meet RF signal emissions must be provided to end users and installers.
2. Hereby, [Flysky Technology Co., Ltd.] declares the RF equipment [FS-HF-BT12] to be in accordance with RED2014/53/EU.
3. The full text of the EU DoC is available at: www.flyskyttech.com/info_detail/10.html

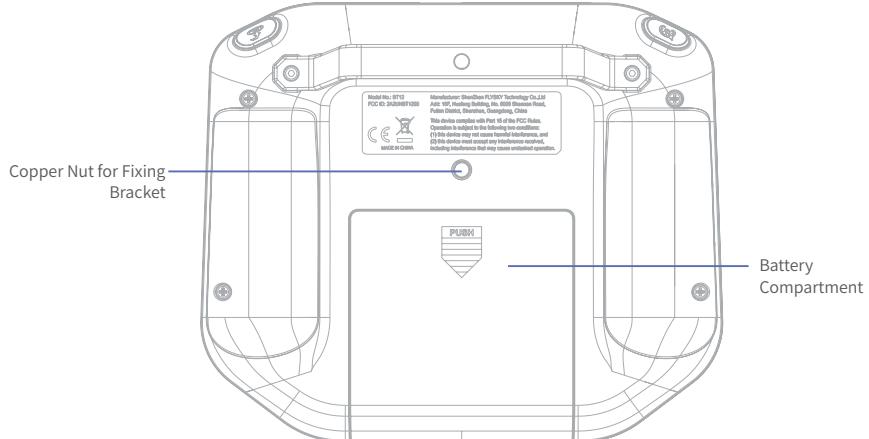
Front View



Top View



Back View



Control/Interface Introduction

VRB Knob: Used to make fine adjustments to the traveling route of the bait boat. If the course is offset while cruising at constant speed, the VRB knob can be used to adjust it. The value range is 0 – 100.

SWA Position Switch: Controls the lighting state of the bait boat, three states: Off, low-luminance, or high-luminance.

SWB Position Switch: Used to control the bait boat to travel along a straight line when cruising at constant speed. Enabling gyroscope will automatically correct the bait boat to travel along a straight line.

Left Stick: To open the bins of the bait boat.

Right Stick: Controls the running attitude of the bait boat. When move the stick up/down to control the boat to move forward/backward; Move it left/right to control the bait boat to turn left/right.

☰ (Menu): Enters the main menu interface.

↶ (Back) : Returns to the previous interface/exit editing state.

Navigation Control: Menu navigation. The navigation control does scroll. Scroll it clockwise/counterclockwise to select menu interface options.

➡ (Confirm): Confirms/enter s the current selection.

⌚ (Fishing Spot): Enters the fishing spot list interface.

▲ (Manual): Quick access to manual mode (only available in the Spot pop-up menu).

□ (Goto): Short press □, the bait boat will go to the current fishing spot, long press □ for 2S, the fishing boat will automatically travel to the corresponding fishing spot position and open the bins automatically, and then automatically return to the starting point (only valid in the Spot pop-up menu).

☒ (Quit): Switches the bait boat to quit the auto-cruise and auto-return mode (only valid in the Spot pop-up menu).

- Ⓐ (Save): Stores the current position as fishing point information (only valid in the Spot pop-up menu).
- ⓫ (Delete): Deletes the current fishing point information (only valid in the Spot pop-up menu).
- ⌚ (Toggle): When you press for the first time, the system switches to home page. When you press it again, switch to the fish finder interface. Later, you can switch between the two interfaces.
- ☀ (Backlight): To turn off the backlight, short press the backlight key. When you long press the backlight key for 2 seconds, the backlight brightness is forced to switch to 10%. When you long press the key again for 2 seconds, the backlight brightness will return to the normal setting value.
- Ⓜ (Fixed Speed): Enters or exits the fixed speed cruise function. In fixed speed cruise mode, quit fixed speed cruise mode by moving the right stick down (More than 1/3 of the travel range is required).
- HomeAs (Auto Home): Enters or exits auto home function.
- USB Type-C Port: This port is used for charging (only for 2S LiPo battery), power supply or firmware upgrade (update transmitter/receiver firmware through FlySky Assistant).
- External Antenna: It is detachable, with SMA connector (Outer-screw-inner-pin).
- Copper Nut for DIY (M3): Reserved nut. It can be installed to fix the sun cover and other devices.
- Copper Nut for Fixing Bracket (1/4 inch): Fixes the transmitter on the bracket base, such as camera tripod.
- Battery Compartment: Installs 2S LiPo battery. The battery interface supports 2.54mm*3Pin balance head connector interface and JST interface.

Power-on

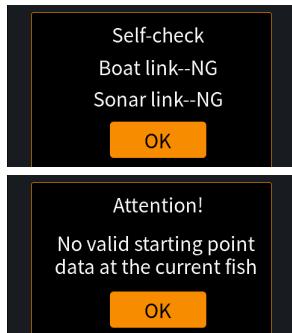
Follow the steps below to turn on the transmitter:

1. Check to make sure that the battery is fully charged and installed correctly.
2. Press and hold ⌐ for 2 seconds to turn on the transmitter, the ambient lights will turn on in turn and the transmitter touchscreen will light up.

Note: If you press ⌐ for less than two seconds, then the transmitter will not power on.

Self-test

The system enters the self-test state after the power-on. Check whether "Boat Connection" and "Sonar Connection" are completed, and whether there is any valid starting point information for the currently selected fishing spot.



Power-off

Follow the steps below to turn off the transmitter:

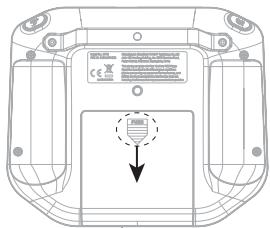
1. Turn off the receiver.
2. Press and hold ⌐ for 2 seconds to turn off the transmitter, the ambient lights will turn off in turn and the transmitter touchscreen will turn off.

Note: If you press ⌐ for less than two seconds, then the transmitter will not power off.

Battery Installation

Follow the steps below to install the LiPo battery:

1. Remove the battery compartment cover by pressing the position marked and sliding in the direction of the arrow as shown.
2. Insert 2S fully-charged LiPo battery into the compartment.
3. Plug the cable of LiPo battery into the JST Jack. Make sure to connect correctly according to the polarities marked on the battery compartment.
4. Replace the battery compartment cover. And be careful not to pinch the cable.

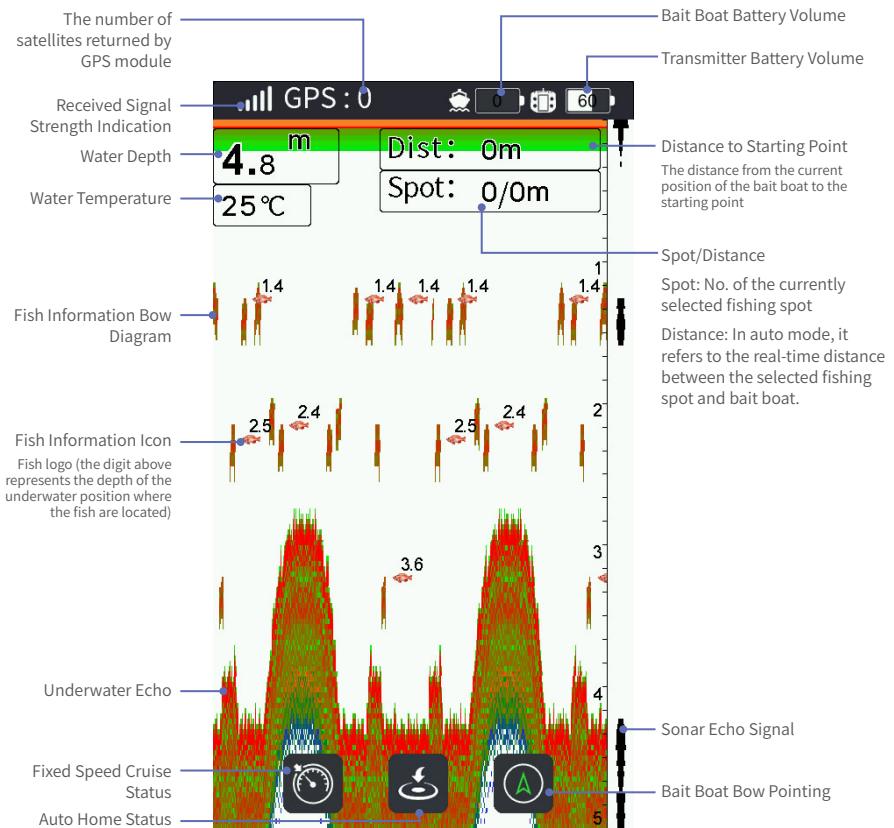


Charging

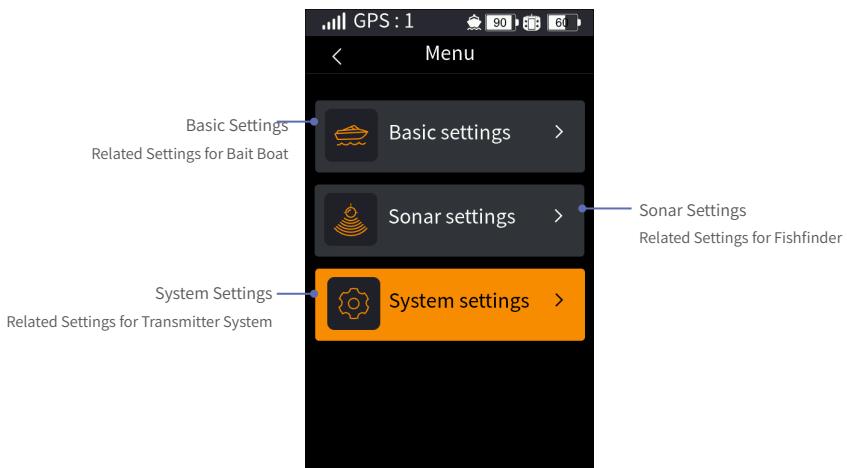
If the transmitter is equipped with LiPo (2S), it can be charged through the USB Type-C port.

- In the power-on state, the charging is indicated by the green charging icon on the interface.
- In the power-off state, after short pressing O , the charging status and power status can be indicated by the number of ambient light on, and the ambient light is fully on after full charge.

Home Interface Introduction



Main Menu Interface Introduction



Note: In the menu, you can touch the screen or use the navigation control to switch options. The selected options are highlighted.

Binding

The transmitter and the receiver have already been bound at the factory. However, if the receiver needs to be replaced or additional receivers bound, follow the following steps.

This receiver supports two ways to enter the binding state. The procedure for Mode 1 is as follows:

1. Press to enter the main menu interface, select Basic Settings and press to enter the Basic Settings interface; Then scroll the navigation control to select Binding and press , the transmitter will enter the binding state.
2. Press and hold the BIND button of the receiver, while powering on the receiver, the receiver will enter the binding state, at this time the receiver LED will flash fast.
3. After the binding is successful, the receiver LED is solid on.
4. Verify that the transmitter and receiver are working properly. If you need to re-bind, repeat the above steps.

Mode 2, the receiver can also enter the binding state through the binding cable, the steps are as follows:

1. Put the transmitter into binding state according to the step 1 above.
2. Connect the binding cable to the BIND interface of the receiver, then power on the receiver, the receiver will enter the binding state, at this time the receiver LED will flash fast.
3. After the binding is successful, the receiver LED is solid on.
4. Remove the binding cable from the receiver.
5. Verify that the transmitter and receiver are working properly. If you need to re-bind, repeat the above steps.

Note: The binding procedure and the subsequent function setting operations are described by using the menu Navigation Control and as an example.



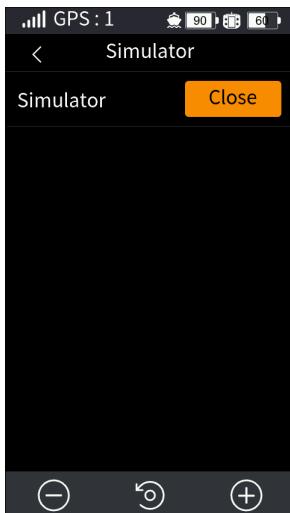
Simulator

When the transmitter is not connected to the receiver and fish finder, this function can be used to simulate the scenario of actual use.

Setup:

1. Select Simulation Mode through > Fish Finder Settings and press to enter the simulation mode settings interface.
2. Select Open and press to enable simulation mode.

Note: If the touch function is enabled, the function item to be set is selected, that is, it is in the highlight-blinking state, you can click at the bottom of the interface to switch option, and then click on the non-function item area of the interface to confirm. To reset to the default value, click .



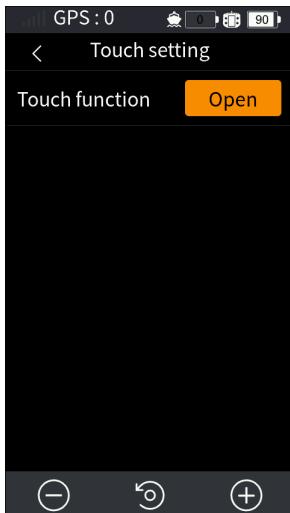
Touch Setting

Used to set whether the touch function is enabled. After the function is off, the touch screen operation function is disabled.

Setup:

1. Select Touching Settings through > System Settings and press to enter the settings interface.
2. Select Open and press to enable touch operation function.

Note: If some water is on the transmitter's touch screen, then this may lead the touch operation function to be insensitive. In this case, it is recommended to turn off the touch function and use the navigation control to control the system.



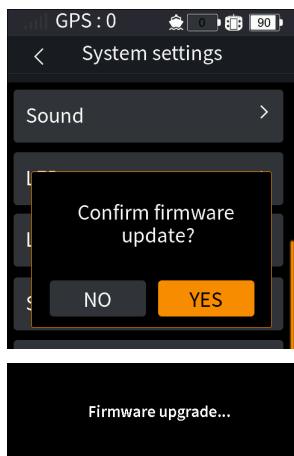
Firmware Upgrade

Use this function to put the transmitter to enter updating mode. When using the firmware update program to update, you need to put the transmitter into the upgrading state first, and then finish the upgrade via the firmware update program.

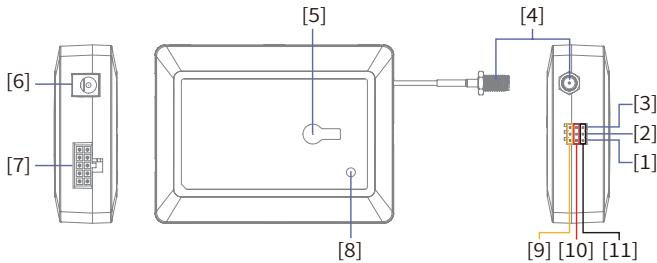
Setup:

1. Download the newest official firmware.
2. Connect the transmitter to the computer via USB Type-C cable, open the firmware, and ensure that the system is identified.
3. Select Firmware Update through > System Settings and press . Then select YES in the pop-up window, the transmitter will enter the firmware update state.
4. At your computer side, click [Update] to start the update.
5. The transmitter will exit the updating state when the updating process is completed. Then remove the USB Type-C cable and close the firmware.

Note: The firmware of the transmitter can also be updated via the FlyskyAssistant. In such case, make sure the transmitter is turned on and connected to the PC.



Receiver Overview (FS-HF-Br03-FF)



[1]	Control Board RX Interface	[7]	Sonar Probe Interface
[2]	Control Board TX Interface	[8]	LED
[3]	BIND Interface	[9]	S (Control Board Communication Interface Signal Pin)
[4]	Antenna Interface	[10]	"+" (Power Supply Interface Anode)
[5]	BIND Button	[11]	"-" (Control Board Communication Interface Cathode)
[6]	Sonar Power Supply Interface	/	/

Interface Introduction

Sonar Power Supply Interface: DC female connector, and the voltage range is from 9 to 15V.

Sonar Probe Interface: 2 * 5 Pin special with bayonet interface

Antenna Interface: External SMA interface with cable, SMA connector (Outer-screw-inner-pin)

Control Board Communication Interface/BIND Interface: 2.54 mm * 3 Pin standard pins, and the voltage range is from 4.8 to 8.4V.

LED Introduction

The LED status indicates the power supply state of the receiver and its working state.

OFF: The receiver is off.

Solid on in green: The receiver is working normally.

Three-flash-one-off (slow flash): The receiver is waiting for firmware's update or forced firmware's update.

Three-flash-one-off (fast flash): The firmware of the receiver is upgrading.

Fast Flash: The receiver is in binding mode.

Slow Flash: The LED flashes slowly when the receiver is not received the signal, or lost signal

Solid on in yellow: Sonar connection is abnormal.

Solid on in blue: Control board connection is abnormal.

Solid on in red: Sonar connection and control board connection are both abnormal.

Binding

This receiver supports two-way binding. After two-way binding is completed, the transmitter will display the information returned by the receiver, including the data related to the control board and the fish finder.

For details, see the preceding section.

Receiver Firmware Update

The firmware of the receiver can be updated through the FlyskyAssistant (Only version 3.0 or above is supported. The firmware of FlyskyAssistant is available on the Flysky official website).

This receiver can be updated via the following two ways:

1. Complete the binding between the transmitter and the receiver (the LED of the receiver is solid on), then connect the transmitter to the computer, and open the FlyskyAssistant on the computer to update the firmware.
2. Connect the transmitter to the computer. Then put the receiver to enter the forced update mode by referring to the following way (The LED of the receiver operates in three-flash-one-off mode repeatedly). Afterwards, open the FlyskyAssistant on the computer to update the firmware.

Use binding cable to connect the pins of Control Board Communication Interface first, then power on the receiver.

Receiver Failsafe

By default, when the receiver is out-of-control, the receiver stops sending serial data.

⚠ Attention:

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Make sure the receiver is mounted away from motors, electronic speed controllers or any device that emits excessive electrical noise.
- Keep the receiver's antenna at least 1cm away from conductive materials such as carbon or metal.
- Do not power on the receiver during the setup process to prevent unnecessary loss.

Specifications

Transmitter Specifications

Product Model: FS-HF-BT12

Compatible Receivers: FS-HF-Br03-FF

Compatible Models: Bait Boat

RF: 2.4GHz ISM

Maximum Power: < 20 dBm (e.i.r.p.) (EU)

2.4GHz Protocol: Dolphin (Dolphin Version of RF Protocol)

Resolution: 4096

Low Voltage Alarm: Yes

Waterproof: PPX6

Antenna: Two Antennas (One Internal Antenna and One External)

Battery: 2S LiPo

Working Current: About 260mA/8.4V

Distance: > 400m (Water Distance without Interference)

Display: 5 "Full View Color Screen, Resolution 400*854, Capacitive Touch Screen

Online Update: Yes

Temperature Range: -10°C ~ +60°C

Humidity Range: 20% ~ 95%

Color: Gray

Dimensions: 183.8*154.6*45.4 (81.6)mm

Weight: About 460g (Excluding Battery)

Charging Jack: USB Type-C Port

Certification: CE

Language: Chinese or English

Receiver Specifications

Product Model: FS-HF-Br03-FF

Compatible Transmitters: FS-HF-BT12

Compatible Models: Bait Boat

RF: 2.4GHz ISM

Maximum Power: < 20 dBm (e.i.r.p.) (EU)

2.4GHz Protocol: Dolphin (Dolphin Version of RF Protocol)

Resolution: 4096

Waterproof: PPX6

Antenna: Single External Antenna

Distance: > 400m (Water Distance without Interference)

Input Power: Sonar Interface: 9 ~ 15V/DC

Control Board Interface: 4.8~8.4V/ DC

Working Current: About 50mA/12V

Data Output: Uart

Online Update: Yes

Temperature Range: -10°C ~ +60°C

Humidity Range: 20% ~ 95%

Dimensions: 70.0*93.6*25.0mm

Weight: About 100g (Excluding Probe and Antenna)

About 195g (Including Probe and Antenna)

Certification: CE

- For more information about operation, refer to FS-BT12 transmitter's user manual.

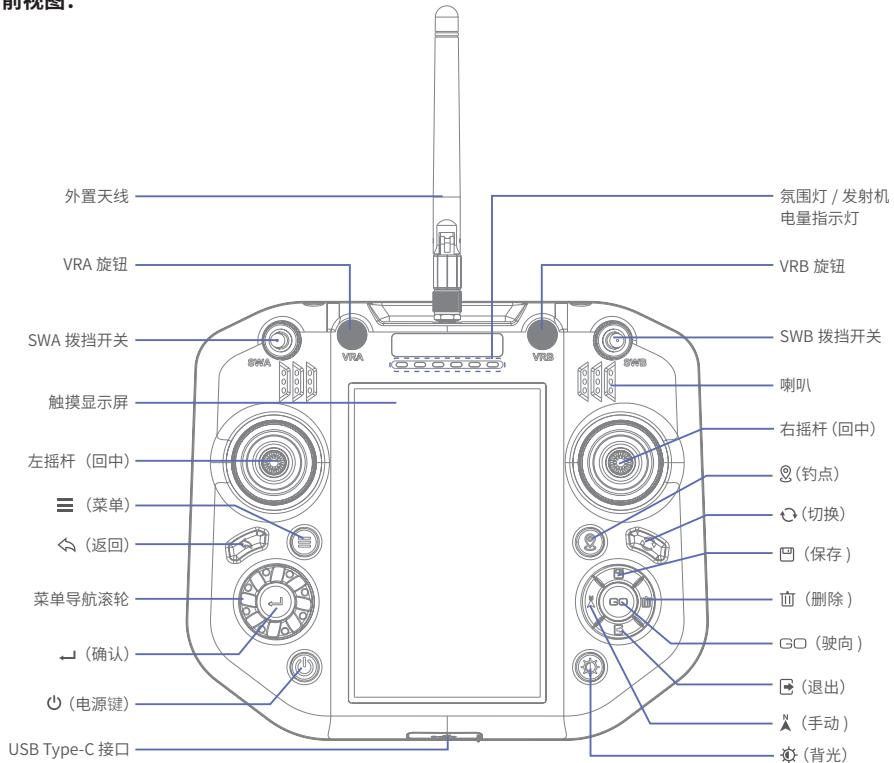
注意事项！

开始操作前请务必在 Flysky 官网下载并阅读《免责声明 & 警告》了解安全注意事项，并在 Flysky 官网下载阅读使用说明书。

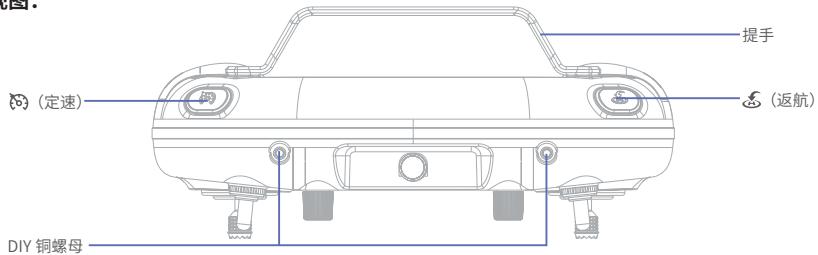
Flysky 官网地址：www.flyskyttech.com

1. 发射机的天线必须距离所有人员或其他发射机至少 20 厘米的间隔距离。必须将天线安装说明和满足射频讯号辐射的发射机操作条件提供给终端用户和安装人员。
2. 特此，【Flysky Technology Co., Ltd.】声明无线电设备【FS-HF-BT12】符合 RED2014/53/EU
3. 欧盟 DoC 声明全文可在以下互联网地址：www.flyskyttech.com/info_detail/10.html 获取。

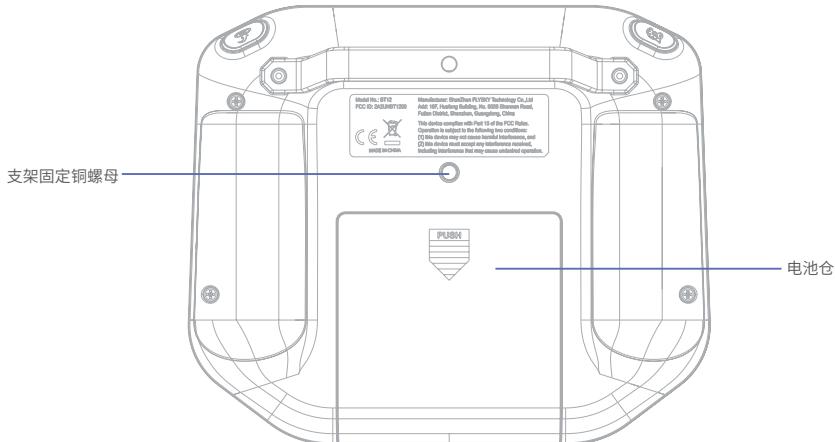
前视图：



顶视图：



后视图：



控件 / 接口介绍

VRB 旋钮：用于对打窝船行驶路线进行精细的调整。如定速巡航时航向偏移，可使用 VRB 旋钮调节。顺时针旋转数值增加，范围 0~100。

SWA 拨挡开关：用于控制打窝船指示照明灯的状态（关闭、低亮或高亮）。

SWB 拨挡开关：用于控制打窝船在定速巡航时沿直线行驶。开启陀螺仪将自动校正，使打窝船沿直线行驶。

左摇杆：打开打窝船的投料仓。

右摇杆：用于控制打窝船的运行姿态。上 / 下拨动控制船前进 / 后退；左右拨动控制打窝船左 / 右转向。

☰ (菜单)：进入主菜单界面。

⟲ (返回)：返回上一界面 / 退出编辑状态。

菜单导航滚轮：菜单导航，顺时针 / 逆时针旋转滚轮以选择菜单界面选项。

➡ (确认)：用于确认 / 进入当前选择项。

㉙ (钓点)：进入钓点列表界面。

▲ (手动)：快捷进入手动模式（仅在钓点弹窗界面有效）。

GO (自动)：短按 GO，打窝船驶向当前钓点，长按 GO 2S 时，打窝船自动行驶到对应钓点的位置后自动开仓，然后自动返回到起始点（仅在钓点弹窗界面有效）。

☒ (退出)：用于切换打窝船退出自动巡航和自动返航模式（仅在钓点弹窗界面有效）。

☒ (保存)：将当前位置信息存储为钓点信息（仅在钓点弹窗界面有效）。

刪 (删除)：删除当前钓点信息（仅在钓点弹窗界面有效）。

⟳ (切换)：首次按下切换到首页，再次按下切换到探鱼器界面，之后在这两个界面间切换。

❷ (背光)：短按背光按键时，关闭背光；长按背光按键 2S 时，背光亮度强制切换到 10%，再次长按该按键 2S，背光亮度恢复正常设置值。

❸ (定速)：进入 / 退出定速巡航功能。定速巡航状态下，也可通过向下拨动右摇杆（需超出 1/3 行程）退出定速巡航功能。

❹ (返航)：进入 / 退出自动返航功能。

USB Type-C 接口：充电功能（仅适合 2S 锂电）、供电功能或固件升级（通过遥控管家更新发射机 / 接收机固件）。

外置天线：可拆装，SMA 头（外螺内针）。

DIY 铜螺母 (M3)：预留螺母，如可安装固定遮阳盖等设备。

支架固定铜螺母 (1/4 英寸)：用于将发射机固定于支架底座上，如相机三脚架。

电池仓：安装 2S 锂电池，电池接口支持 2.54mm*3Pin 平衡头接口和 JST 接口。

开机

请按照以下步骤开机：

1. 检查系统状态，确保电池电量充足；
2. 长按 ⌂ (电源键) 2S 开机，氛围灯 / 显示屏依次亮起。

注：若按 ⌂ (电源键) 未到两秒，则不能开机。

开机自检

开机完成后系统进入自检状态，检查“船体连接”与“声呐连接”是否完成，以及当前所选择的钓场有无有效的起始点信息。



关机

请按照以下步骤关机：

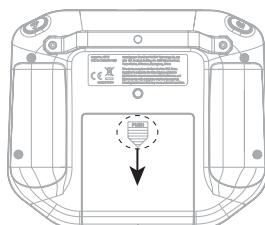
1. 断开接收机电源；
2. 长按 ⌂ (电源键) 2S，氛围灯依次关闭，显示屏熄灭。

注：若按 ⌂ (电源键) 未到两秒，则关机失败。

电池安装

请按照以下步骤安装锂电池：

1. 如图所示按住此处并沿箭头方向滑动，取下电池仓盖；
2. 将电量充足的 2S LiPo 电池装入电池仓内；
3. 将电池连接线接入 JST 接口，确保正确连接正负极；
4. 盖好电池仓盖，注意不要夹到电池连接线。

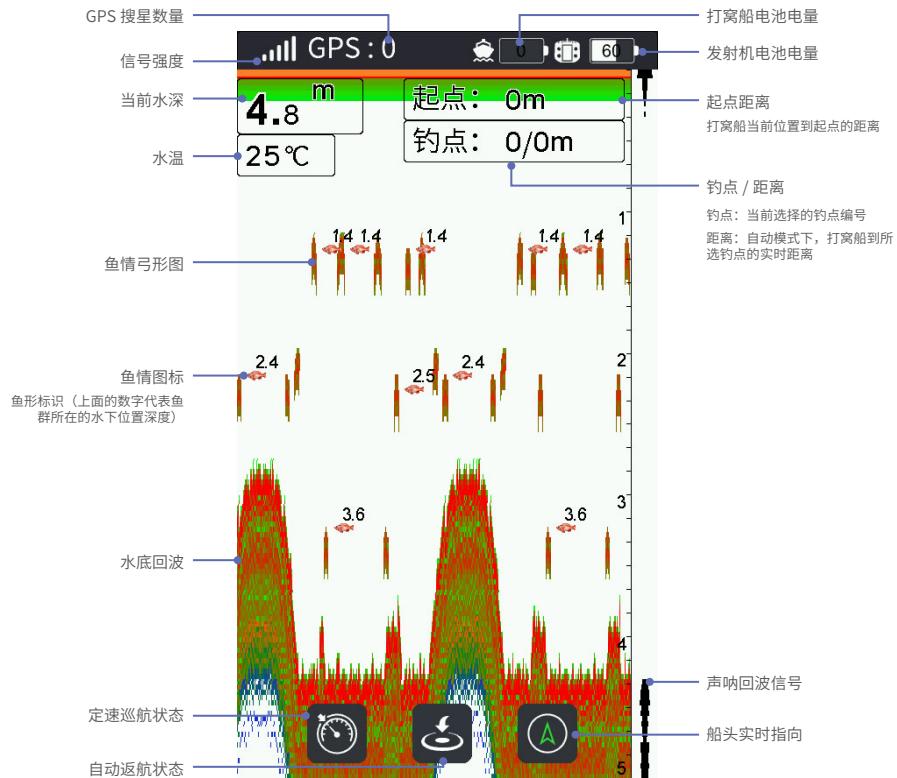


充电

若发射机安装了锂电池（2S），则可通过 USB Type-C 接口充电。注意需用 5V/3A 或 3A 以上 USB 电源适配器充电。

- 在开机状态下，通过界面的绿色充电图标指示充电状态。
- 在关机状态下，短按电源键后，充电状态及电量状态可通过氛围灯亮灯数量指示，满电后氛围灯全亮。

首页介绍



主菜单介绍



对码

本发射机和接收机在出厂前已对码成功。如果您需要重新对码时，请按照如下步骤进行对码。本接收机支持两种方式进入对码状态。

本接收机支持两种方式进入对码状态。方式一操作步骤如下：

1. 按下  进入主菜单界面，顺时针或逆时针滚动菜单导航滚轮选择 [基础设置] 后按下  进入基础设置界面；再滚动滚轮选择 [对码连接] 后按下 ，发射机即进入对码状态；
2. 按住接收机对码键并通电，接收机即进入对码状态，此时接收机 LED 指示灯快闪；
3. 对码成功后，接收机 LED 指示灯常亮；
4. 检查发射机、接收机是否连接正常。如有异常，重复以上步骤重新对码。

方式二：接收机也可通过对码线进入对码状态，对码步骤如下：

1. 参考以上步骤，使发射机进入对码状态；
2. 先将对码线接入接收机对码接口，再给接收机通电，接收机即进入对码状态，此时接收机 LED 指示灯快闪；
3. 对码成功后，接收机 LED 指示灯常亮；
4. 取下对码线；
5. 检查发射机、接收机是否连接正常。如有异常，重复以上步骤重新对码。

注：对码操作步骤及随后的相关功能设置操作都是以菜单导航滚轮配合  操作为例介绍。



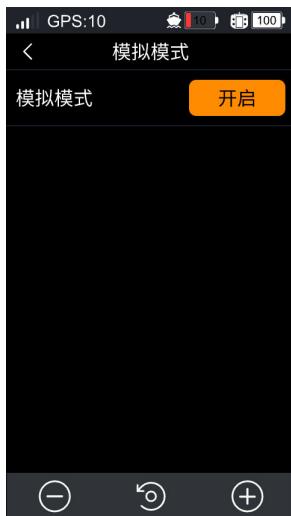
模拟模式

当发射机未与接收机及声呐连接时，可通过本功能模拟实际使用时的场景。

功能设置：

1. 通过  > [声纳设置] 选择 [模拟模式] 后按下 ，进入模拟模式设置界面；
2. 选择 [开启] 按下  即开启模拟模式。

注：若开启触屏操作，要设置的功能项被选中后，即处于高亮闪烁状态下，可通过点击界面下方的  /  切换选项，然后点击界面非功能项区域即确认选项。若要重置为默认数值，则点击  即可。



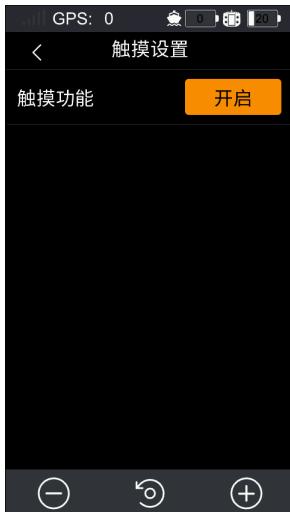
触摸设置

用于设置发射机是否开启显示屏触摸功能。关闭后则关闭触屏操作功能。

功能设置：

1. 通过 > [系统设置] 选择 [触摸设置] 后按下 进入触屏设置设置界面；
2. 选择 [开启] 按下 即开启触屏操作功能。

注：若发射机触摸显示屏上沾到水，将会导致触摸操作功能不灵敏。在此情况下，建议关闭触摸设置功能，使用菜单导航滚轮操作。



固件升级

让发射机进入固件更新状态。当使用固件更新程序更新时，需要先通过此功能，让发射机进入更新状态后，然后通过固件更新程序执行更新。

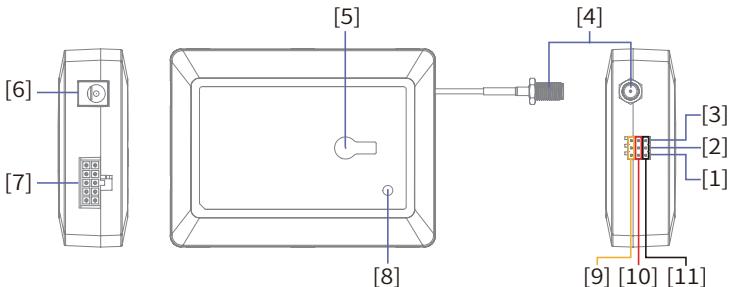
功能设置：

1. 电脑端下载最新的固件更新程序；
2. 将发射机通过 USB Type-C 线与电脑连接，打开固件更新程序，确保电脑已识别到系统；
3. 通过 > [系统设置] 选择 [固件升级] 后按下 ，在出现的弹窗里选择 [确认]，发射机即进入固件更新状态；
4. 电脑端，点击 [Update] 即开始更新。
5. 更新完成后，发射机将会自动退出更新状态。然后取下 USB Type-C 线，并关闭更新程序。

注：也可通过富斯遥控管家固件（FlySkyAssistant）更新发射机的固件，此时无需操作此功能，只确保发射机开机并与电脑连接即可。



接收机概览 (FS-HF-Br03-FF)



[1]	综控板 RX 接口	[7]	声呐探头接口
[2]	综控板 TX 接口	[8]	LED 指示灯
[3]	对码接口	[9]	S (综控板通信接口信号端)
[4]	天线接口	[10]	"+" (供电接口正极)
[5]	对码按键 (BIND)	[11]	"-" (综控板通信接口负极)
[6]	声呐供电接口	/	/

接口介绍

声呐供电接口：DC 头母座，支持电压范围 9 ~ 15V

声呐探头接口：2 * 5 Pin 特殊带卡口接口

天线接口：带线外置 SMA 接口，SMA 头为外螺内针

综控板通信接口 / 对码接口：标准的 2.54 mm * 3 Pin 排针，支持电压范围 4.8~8.4V

LED 指示灯介绍

用于指示接收机的电源及工作状态。

指示灯灭：接收机电源未接通

指示灯绿色常亮：接收机正常工作

指示灯三闪一灭（慢闪）：等待固件更新状态或强制更新状态

指示灯三闪一灭（快闪）：固件更新中

指示灯快闪：对码状态中

指示灯慢闪：未收到有效信号或掉码

指示灯黄色常亮：声呐连接异常

指示灯蓝色常亮：综控板连接异常

指示灯红色常亮：声呐和综控板连接异常

对码

本款接收机支持双向对码，双向对码完成后发射机将显示接收机回传的信息，包括综控板与声呐相关数据。

步骤参考前面对码部分内容。

接收机固件更新

本接收机固件更新需通过富斯遥控管家（FlySkyAssistant）完成（仅 3.0 及以上版本支持，富斯遥控管家固件可从官网 www.flaskytech.com 获取）。

本接收机可以通过以下两种方式进入更新：

- 先将发射机与接收机对码后（接收机 LED 灯常亮），再将发射机与电脑连接，然后在电脑端打开富斯遥控管家，通过富斯遥控管家进行固件更新；
- 将发射机与电脑连接，参考如下方式使接收机进入强制更新状态（接收机 LED 灯状态三闪一灭），然后在电脑端打开富斯遥控管家，通过富斯遥控管家进行固件更新。

先将对码线连接综控板通信接口信号端，然后接通接收机电源，接收机即进入强制更新固件状态。

接收机失控保护

本款接收机默认失控后，接收机停止发送串口数据。

注意事项：

- 使用前必须确保本产品与模型安装正确，否则可能导致模型发生严重损坏。
- 确保接收机安装在远离电机，电子调速器或电子噪声过多的区域。
- 接收机天线需远离导电材料，例如金属棒和碳物质。为了避免影响正常工作，请确保接收机天线和导电材料之间至少有 1 厘米以上的距离。
- 准备过程中，请勿连接接收机电源，避免造成不必要的损失。

规格参数

发射机产品规格

产品型号：FS-HF-BT12

适配接收机：FS-HF-Br03-FF

适配模型：打窝船

无线频率：2.4GHz ISM

发射功率：小于 20dBm

无线协议：Dolphin（海豚版高频协议）

通道分辨率：4096 级

低电压报警：支持

防水等级：PPX6

天线类型：双天线（内置天线 *1 和外置天线 *1）

支持电池：2S LiPo

工作电流：260mA 左右 /8.4V

遥控距离：> 400m(空旷无干扰水面距离)

显示方式：5 寸全视角彩屏，分辨率 400*854，电容式触摸屏

在线更新：支持

温度范围：-10°C ~ +60°C

湿度范围：20% ~ 95%

外观颜色：灰色

外形尺寸：183.8*154.6*45.4(81.6)mm

机身重量：460g 左右（不含电池）

充电接口：支持，Type-C

认证：CE

操作语言：中文、英文

接收机产品规格

产品型号：FS-HF-Br03-FF

适配发射机：FS-HF-BT12

适配模型：打窝船

无线频率：2.4GHz ISM

发射功率：小于 20dBm

无线协议：Dolphin（海豚版高频协议）

通道分辨率：4096 级

防水等级：PPX6

天线类型：外置单天线

遥控距离：>400 米（空旷无干扰水面距离）

输入电源：声呐接口：9~15V/ DC

船控接口：4.8~8.4V/ DC

工作电流：50mA 左右 /12V

数据输出：Uart

在线更新：支持

温度范围：-10°C ~ +60°C

湿度范围：20% ~ 95%

外形尺寸：70.0*93.6*25.0mm

机身重量：100g 左右（不含探头、天线）

195g 左右（含探头、天线）

认证：CE

- 关于 FS-HF-BT12 发射机的更多操作请阅读使用说明书。

本操作指南中的图片和插图仅供参考，可能与实际产品外观有所不同。产品设计和规格可能会有所更改，恕不另行通知。

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Release date: 2024-01-09

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