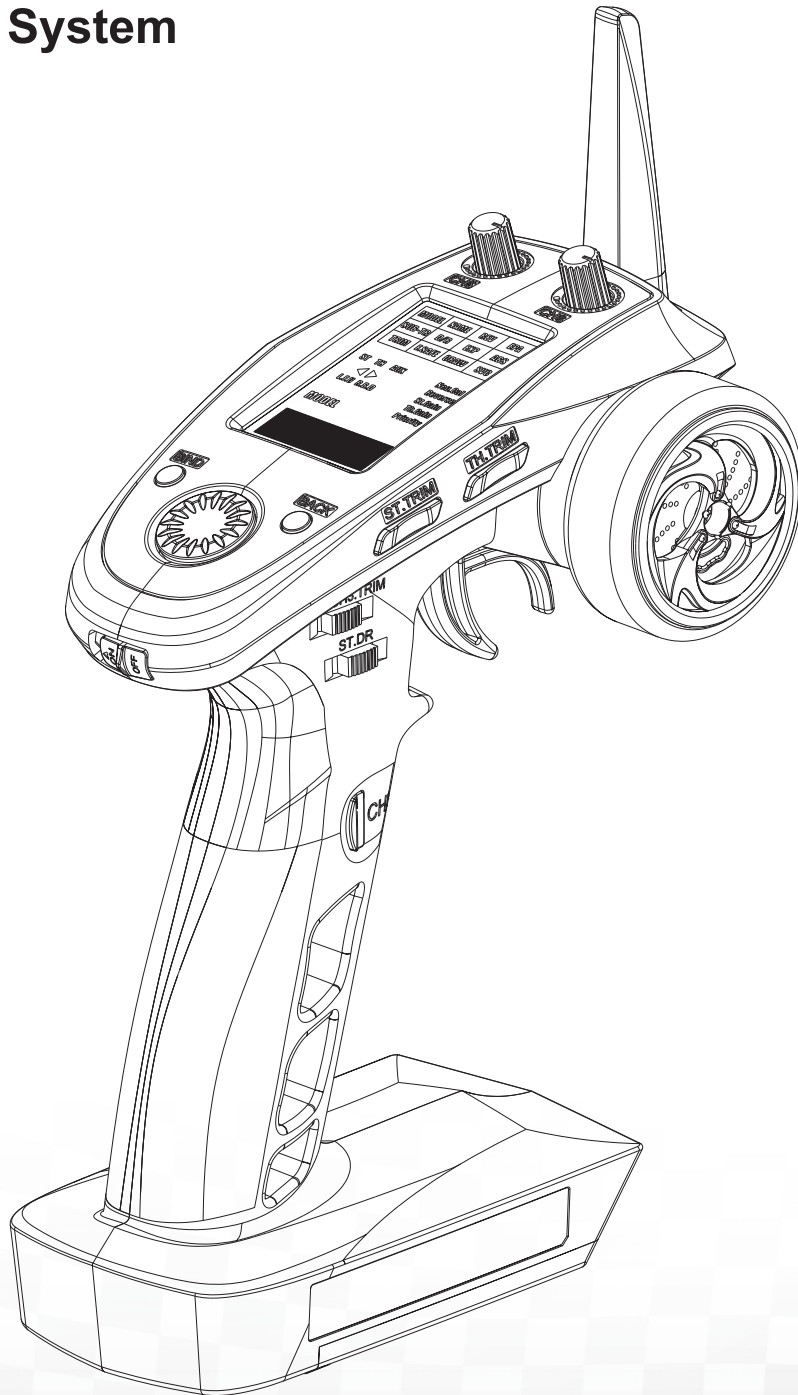


FS-GT5

USER MANUAL



Digital Proportional Radio Control System



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WARNING:
This product is only for 15 years old or above



Thank you for purchasing our product, an ideal radio system for beginners or experienced users.

In order to ensure your safety, and the safety of others, read this manual carefully before using this product. If you encounter any problem during use, refer to this manual first. If the problems persists, contact your local dealer or visit our service and support website :

www.flysky-cn.com




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1. Safety

1.1 Safety Symbols

Pay close attention to the following symbols and their meanings. Failure to follow these warnings could cause damage, injury or death.

 Danger	• Not following these instructions may lead to serious injuries or death.
 Warning	• Not following these instructions may lead to major injuries.
 Attention	• Not following these instructions may lead to minor injuries.

1.2 Safety Guide



Prohibited



Mandatory



- **Do not use the product at night or in bad weather like rain or thunderstorm. It can cause erratic operation or loss of control.**
- **Do not use the product when visibility is limited.**
- **Do not use the product on rain or snow days. Any exposure to moisture (water or snow) may cause erratic operation or loss of control.**
- **Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:**
 - Near any site where other radio control activity may occur
 - Near power lines or communication broadcasting antennas
 - Near people or roads
 - On any body of water when passenger boats are present
- **Do not use this product when you are tired, uncomfortable, or under the influence of alcohol or drugs. Doing so may cause serious injury to yourself or others.**
- **The 2.4GHz radio band is limited to line of sight. Always keep your model in sight as a large object can block the RF signal and lead to loss of control.**
- **Never grip the transmitter antenna during operation. It significantly degrades signal quality and strength and may cause loss of control.**
- **Do not touch any part of the model that may generate heat during operation, or immediately after use. The engine, motor or speed control, may be very hot and can cause serious burns.**








- **Misuse of this product may lead to serious injury or death. To ensure the safety of you and your equipment, read this manual and follow the instructions.**
- **Make sure the product is properly installed in your model. Failure to do so may result in serious injury.**
- **Make sure to disconnect the receiver battery before turning off the transmitter. Failure to do so may lead to unintended operation and cause an accident.**
- **Ensure that all motors operate in the correct direction. If not, adjust the direction first.**
- **Make sure the model flies within a certain distance. Otherwise, it would cause loss of control.**

2. Introduction

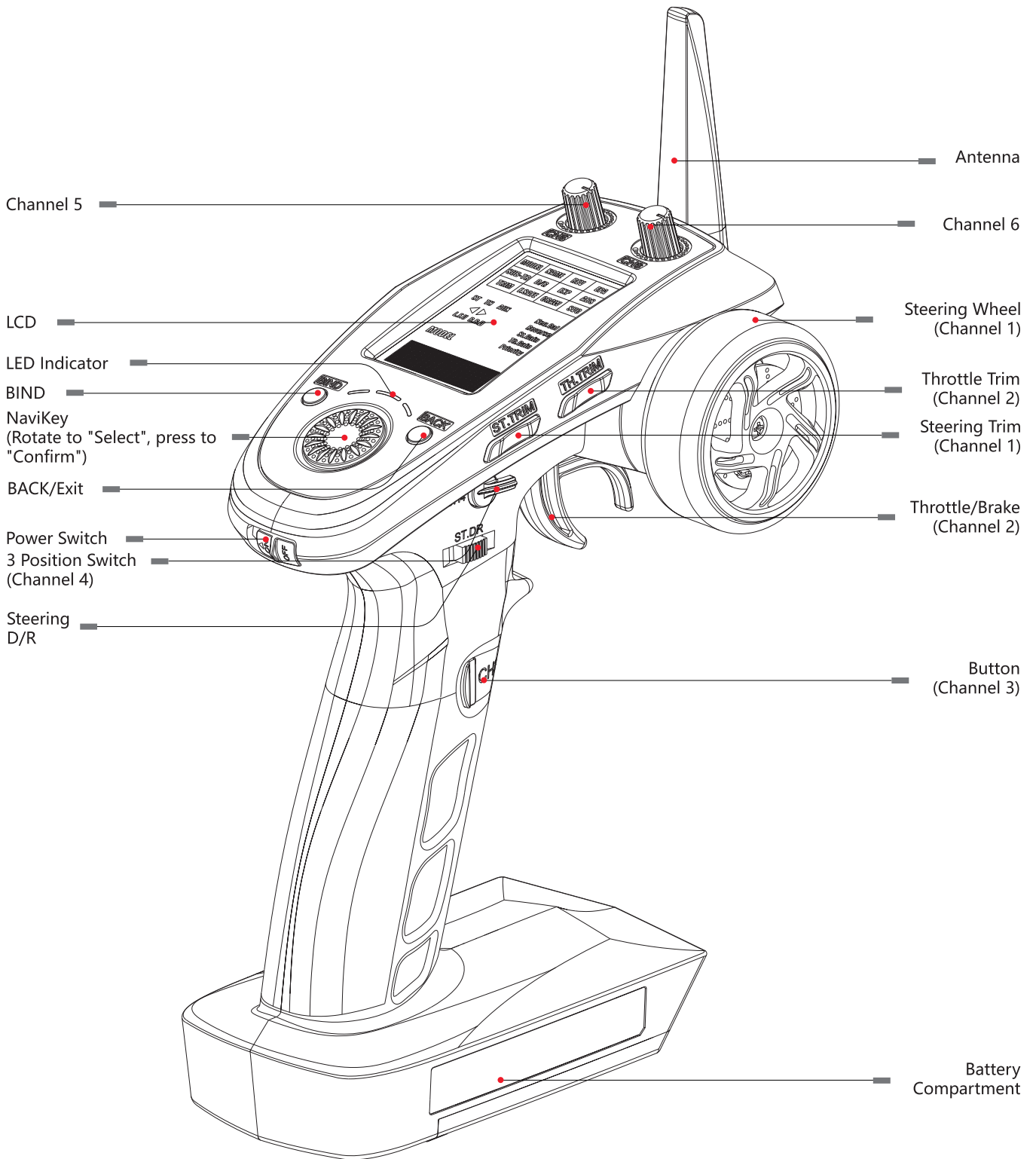
This product uses the 2.4GHz Second Generation AFHDS 2A protocol. The FS-GT5 and FS-BS6 constitute a 6 channel gyro stabilised system compatible with model cars, boats and other models.

2.1 System Features

The AFHDS 2A (Automatic Frequency Hopping Digital System Second Generation) developed and patented by FLYSKY is specially developed for all radio controlled models. Offering superior protection against interference while maintaining lower power consumption and high reliable receiver sensitivity, FLYSKY's AFHDS technology is considered to be one of the leaders in the RC market today.

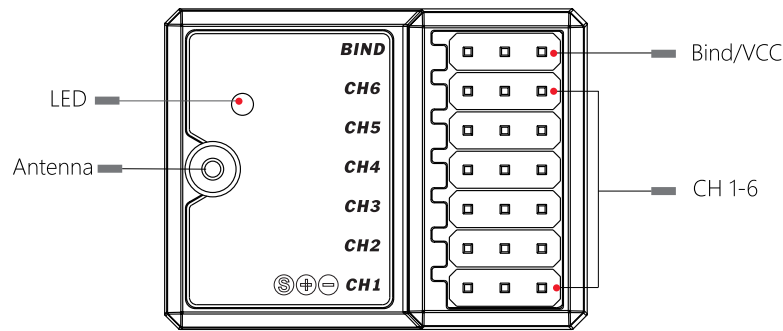
	Bidirectional Communication Capable of sending and receiving data, each transmitter is capable of receiving data from temperature, altitude and many other types of sensors, servo calibration and i-BUS Support.
	Multi-channel Hopping Frequency This systems bandwidth ranges from 2.408GHz to 2.475GHz. This band is divided in 140 channels. Each transmitter hops between 16 channels (32 for Japanese and Korean versions) in order to reduce interference from other transmitters.
	Omni-directional Gain Antenna The high efficiency Omni-directional high gain antenna cuts down on interference, while using less power and maintaining a strong reliable connection.
	Unique ID Recognition System Each transmitter and receiver has it's own unique ID. Once the transmitter and receiver have been paired, they will only communicate with each other, preventing other systems accidentally connecting to or interfering with the systems operation.
	Low Power Consumption The system is built using highly sensitive low power consumption components, maintaining high receiver sensitivity, while consuming as little as one tenth the power of a standard FM system, dramatically extending battery life.

2.2 Transmitter Overview



- For more information please refer to [6. Function Settings].

2.3 Receiver Overview



2.3.1 Status Indicator

The status indicator is used to indicate the power and working status of the receiver.

- Off: The power is not connected.
- Lit in red: The receiver is on and working.
- Flashing quickly: The receiver is binding.
- Flashing slowly: The bound transmitter is off or signal is lost.

2.3.2 Connectors

Used to connect to the model and servos.

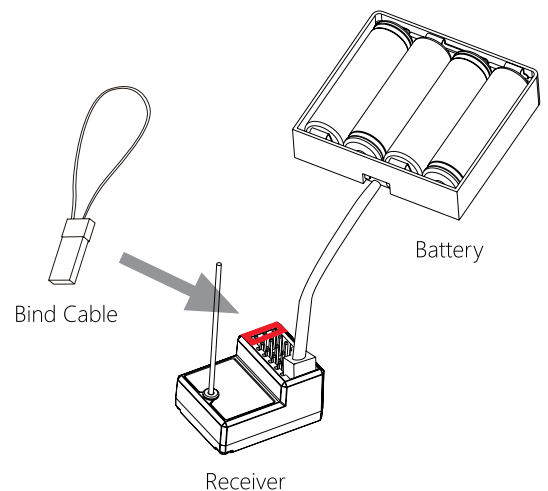
The FS-BS6 receiver has a gyroscope SVC function that can be used to improve handling.

2.3.3 Gyroscope Calibration

The gyroscope has been calibrated at the factory however if it needs to be recalibrated follow these steps :




Calibration :

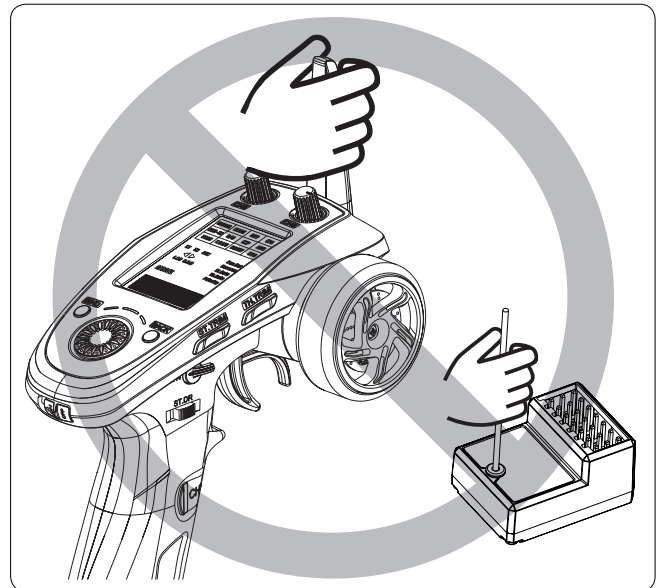
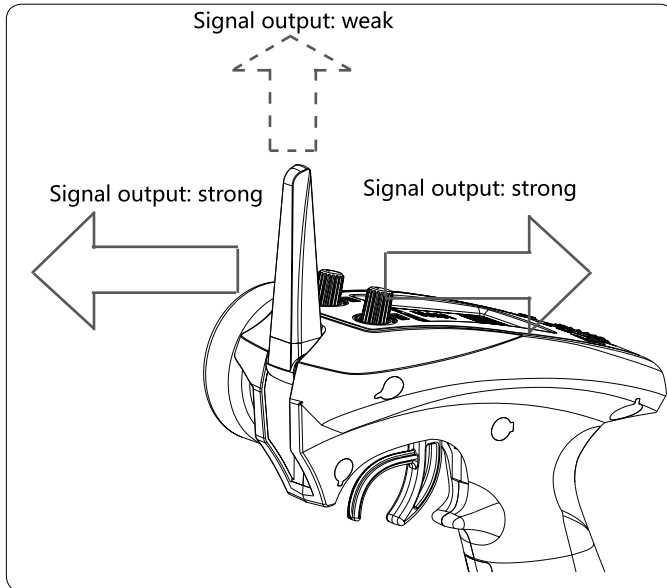
1. Turn off the transmitter and insert power into channel 1 (Not the BIND port)
 - The receivers LED should start to flash slowly.
2. Place the receiver on a flat horizontal surface, make sure it can't move.
3. Insert the bind cable into the bind port. The receivers LED should start to flash rapidly 3 times then return to the previous flash speed if the calibration has been successful.



2.4 Antenna Use

Do not point the antenna directly at the model.








 Note	<ul style="list-style-type: none">• Never grip the transmitter antenna during operation. It significantly degrades the RF signal quality and strength and may cause loss of control.
 Caution	<ul style="list-style-type: none">• For best signal quality, ensure that the receiver is mounted away from motors or metal parts.
 Caution	<ul style="list-style-type: none">• Do not pull or tie the receiver antenna into a knot or tie it to the steering bar.



3. Getting Started

Before operation, install the battery and connect the system as instructed below.

3.1 Transmitter Battery Installation

 Danger	• Only use specified battery (X4 AA batteries).
 Danger	• Do not open, disassemble, or attempt to repair the battery.
 Danger	• Do not crush/puncture the battery, or short the external contacts.
 Danger	• Do not expose to excessive heat or liquids.
 Danger	• Do not drop the battery or expose to strong shocks or vibrations.
 Danger	• Always store the battery in a cool, dry place.
 Danger	• Do not use the battery if damaged.

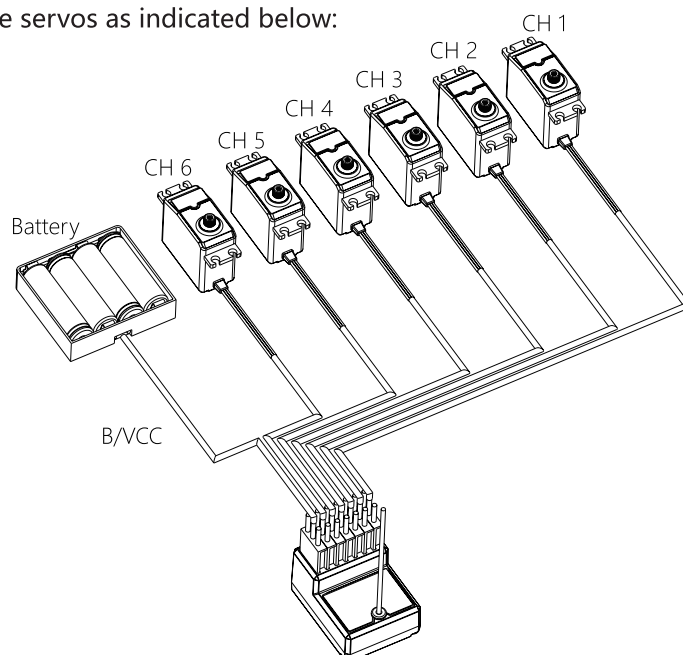
Battery Type: AA or 2S Lithium battery (JST port inside battery compartment)

Battery Installation:

1. Open the battery compartment cover.
2. Insert 4 AA batteries with the correct polarity.
 - Select appropriate size 2S 7.4V lithium battery with a JST connector. Make sure it is connected with the correct polarity to avoid damage.
3. Replace battery compartment cover.

3.2 Connecting the Receiver and Servos

Connect the receiver and the servos as indicated below:



- To ensure the gyroscope works as expected install the receiver horizontally at less than 10 degrees from level.



4. Operation Instructions

After setting up, follow the instructions below to operate the system.

4.1 Power On

Follow the steps below to turn on the transmitter:

1. Make sure that :
 - The battery is fully charged and installed correctly.
 - The receiver is installed correctly and powered down.
2. Move the power switch to the [On] position.
3. Connect the power supply to the receiver.

	Note	• Operate with caution in order to avoid damage or injury.
	Note	• Make sure that the throttle is at its lowest position and the switches are set to their up position.

4.2 Binding

The transmitter and receiver have been pre-bound before delivery.

If you are using another transmitter or receiver, follow the steps below to bind the transmitter and receiver:

1. Connect the bind cable to the receivers B/VCC port.
2. Connect power to any other port.
3. Press and hold the transmitters bind key and turn on the transmitter at the same time.
4. Once binding is complete the transmitter will exit bind mode. Remove the power and bind cable from the receiver then apply power to the B/VCC port.
5. Check to make sure everything functions as expected. If not repeat the steps above.

RF Protocol	Compatible Receivers
AFHDS 2A	iA10B , iA6B , iA4B, iA10 , iA6 , iA4C , A6 , A3 , X6B , BS6 , BS4

- This binding information only applies to the FS-GT5 and the FS-BS6 receiver, different receivers may require a different procedure to complete the binding process. Please visit the official FLYSKY website for the latest information on compatible receivers and their respective usermanuals.
- All of our products receiver regular updates, please visit our website for more information and firmware downloads.

4.3 Transmitter LED Indicator

If the transmitter voltage is low the LED will flash slowly. This LED has six colors, green, blue, cyan, red, yellow, white and off which can be set according to user preference.

To change the LED color follow the steps below:

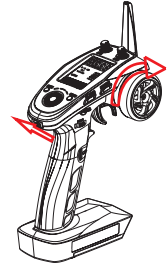
1. Hold the BACK key while rotating the Navikey to change the color.
2. Once a color has been selected release the back key.

4.4 Calibration (STK.CAL)

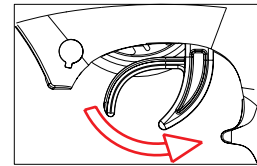
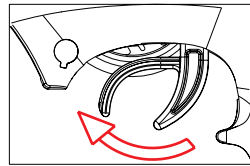
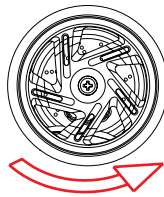
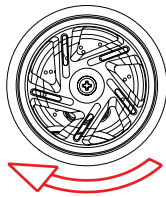
This function is used to calibrate the wheel and trigger.

Setup:

1. To enter the **STK.CAL** function turn and hold the wheel to the right and power on the transmitter.



2. Press the Navikey, **STK.CAL** will start to flash to indicate that the function is active, then move the wheel and trigger to their limits in each direction.



3. When finished press the Navikey to exit the function.
 - If the control surfaces are not moved to their maximum positions the wheel and trigger may not work as expected.

4.5 Factory Reset

Return transmitter settings to factory default. Note: This will delete all model data and settings.

Please follow the steps below to restore factory settings:

1. Turn the wheel counter clockwise and turn on the transmitter, the screen will then display "Reset Default Sure?"
2. Press the Navikey to confirm factory reset. The screen will display "FACY.RST" then start normally.

4.6 Power Off

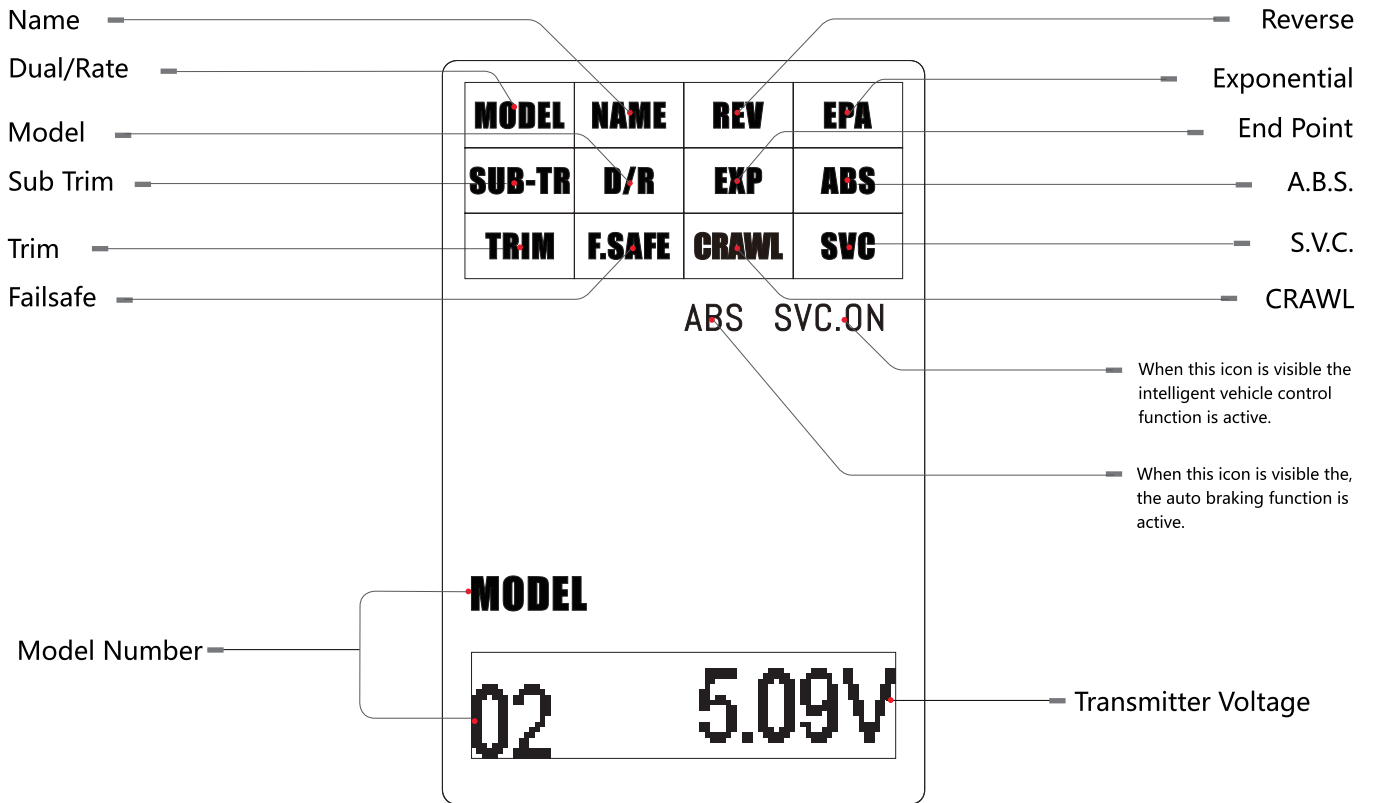
Follow the steps below to turn off the system:

1. Disconnect the receiver power.
2. Toggle the transmitters power switch to the off position.

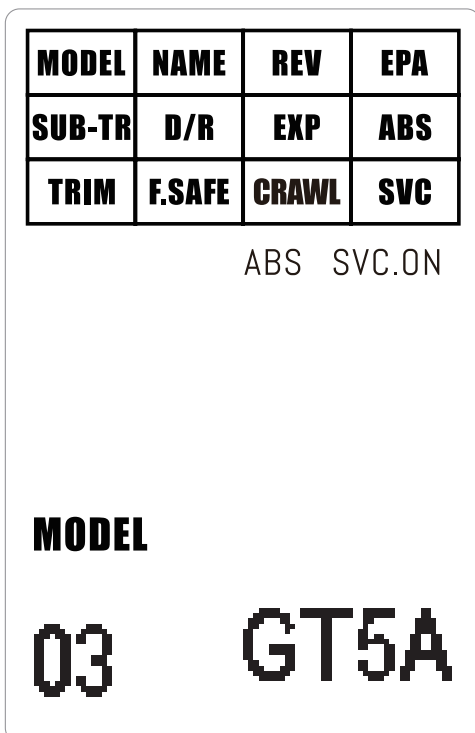
 Danger	<ul style="list-style-type: none">• Make sure to disconnect the receiver power before turning off the transmitter. Failure to do so may lead to damage or serious injury.
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5. System Interface

The main interface mainly displays information related to the model, such as transmitter voltage information, function status and so on.



Rotate the Navikey to the left to display model information.



Rotate the Navikey to the right to display channel positions.

