

## 6. Function Settings

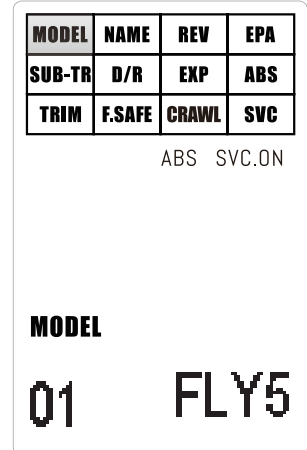
This section details functions and their use.

### 6.1 Model (MODEL)

The transmitter can hold up to 20 models (01-20). Each configuration can quickly be recalled.

Setup:

1. Press the Navkey to enter the function menu, then press the Navkey again to enter the MODEL menu. The model number will begin to flash.
2. Rotate the Navkey to select a model.
3. Press the Navkey to confirm model selection. Once the confirmation is complete the model number will stop flashing.

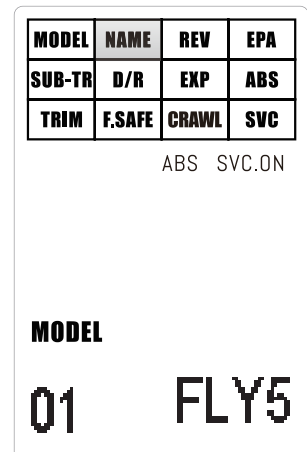


### 6.2 Name (NAME)

This function is for naming a model using up to 4 characters in length : 0123456789 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Setup :

1. Press the Navkey to enter the function menu, then rotate the Navkey to select NAME. Press the Navkey again to enter the function. The first letter/number of the model name will begin to flash.
2. Rotate the Navkey to select a character and press the Navkey to confirm the selection.
3. Repeat for the last 3 characters. When the final character has been set the system will exit the function automatically.

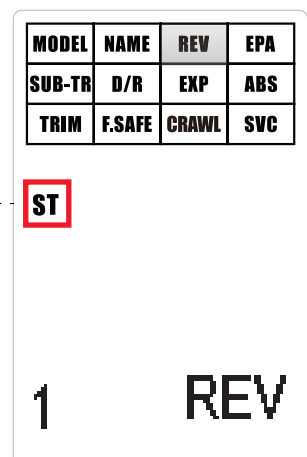


### 6.3 Reverse (REV)

The reversing function is used to correct the direction of travel for any channel.

Setup :

1. Press the Navkey to enter the function menu, then rotate the Navkey to select REV. Press the Navkey again to enter the function. The channel name and number will begin to flash.
2. Rotate the Navkey to select a channel and press the Navkey to confirm the selection.
3. Rotate the Navkey to select "REV" (reverse) or "NOR" (normal) and press the Navkey to confirm. The system will then exit the function automatically.



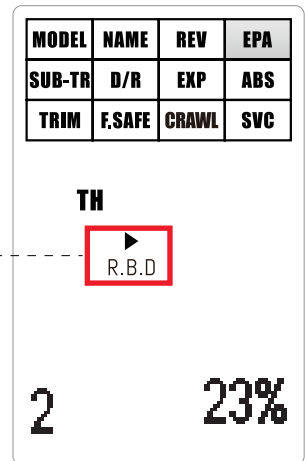
The channel name will be displayed here as ST, TH or AUX.

## 6.4 End Point Adjust (EPA)

The EPA function is used to set the travel limits for each channel.

Setup :

1. Press the Navikkey to enter the function menu, then rotate the Navikkey to select EPA. Press the Navikkey again to enter the function. The channel name and number will begin to flash.
2. Rotate the Navikkey to select a channel and press the Navikkey to confirm the selection.
3. Move the selected channels control surface (wheel trigger etc.) in the direction of the end point you wish to set. The system will display L.F.U (left, front, up) or R.B.D (right, back, down) depending on the selection. Press the Navikkey again to confirm.
4. Rotate the Navikkey to change the endpoint position (%) and press the Navikkey to confirm.
5. Repeat as needed.



Depending on the end point selected the system will display [ R.B.D ] or [ L.F.U ].

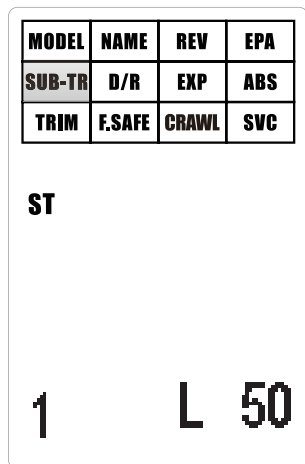
## 6.5 Sub Trim (SUB-TR)

This function can be used to change the centre point of any channel.

Example of use: to correct steering being out of alignment even if the transmitter wheel is centered.

Setup :

1. Press the Navikkey to enter the function menu, then rotate the Navikkey to select SUB-TR. Press the Navikkey again to enter the function. The channel name and number will begin to flash.
2. Rotate the Navikkey to select a channel and press the Navikkey to confirm the selection.
3. Rotate the Navikkey to change the channels center point. The system will display an L (left) or R (right) depending on which direction the center point has been moved. Press the Navikkey to confirm.
4. Repeat as needed.

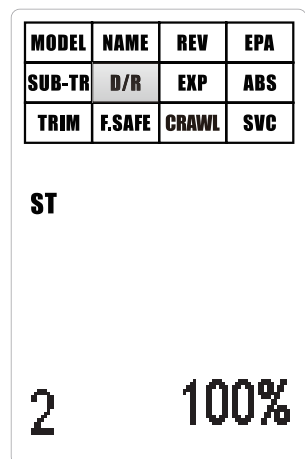


## 6.6 Dual/Rate (D/R)

This function is used to limit the ST or TH D/R.

Setup :

1. Press the Navikkey to enter the function menu, then rotate the Navikkey to select D/R. Press the Navikkey again to enter the function. The channel name and number will begin to flash.
2. Rotate the Navikkey to select a channel and press the Navikkey to confirm the selection.
3. Rotate the Navikkey to change the D/R value (%) and press the Navikkey to confirm.



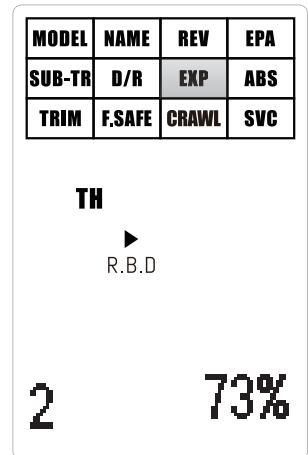
## 6.7 Exponential (EXP)

This function is used to add a curve to the output of a channel. When set to 0 the curve response is linear, however when set to a positive or negative value the curve will no longer be linear.

Setup :

This function can adjust the throttles response curve from -100%~100%.

1. Use the NaviKey to select the **[EXP]** menu , press the Navikey to enter the menu.
2. **[EXP]** will start flashing. Use the NaviKey to select **[ST]**, **[TH]** (R.B.D if trigger pushed) or **[TH]**(L.F.U if trigger pulled).
3. Press the Navikey then use the NaviKey to change the percentage.
4. Press the Navikey again to confirm.
5. Repeat for other channels as needed.



## 6.8 A.B.S. (ABS)

This function uses the throttle output to create automatic braking in order to make braking easier on different surfaces.

Setup:

This function only adjusts the throttle channel. There are 6 settings:

**[BRK]**: The amount of breaking applied for each pulse.

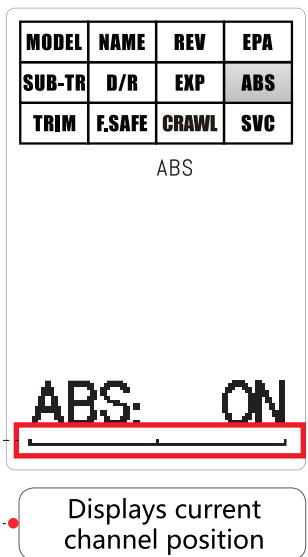
**[DLY]**: Amount of delay between the trigger being pushed and ABS becoming active.

**[CYC]**: The interval between each pulse. The larger the value, the longer the pulse interval.

**[TGP]**: Sets the trigger position that will activate the ABS function.

**[DTY]**: Changes the ratio between brake on and break off time. When this value is changed the square wave controlling the brakes will no longer be symmetrical.

**[STM]**: Creates a mix between the steering and the ABS function so that ABS can be automatically decreased or disabled when turning. The % sets the point in which the steering will have to be turned in order to activate this function with a range between 0-100%. E means the function will not activate until the trigger moves beyond that percentage, N means the breaking will be disabled until it reaches that percentage.



Funt.	Range	Default	Display
<b>[BRK]</b>	0~100%	50%	<b>BRK: 50%</b>
<b>[DLY]</b>	0~100%	0	<b>DLY: 0%</b>
<b>[CYC]</b>	20%~100%	50%	<b>CYC: 50%</b>
<b>[TGP]</b>	10%~100%	30%	<b>TGP: 30%</b>
<b>[DTY]</b>	-4~4	0	<b>DTY: 0</b>
<b>[STM]</b>	E10%~100% N10%~100%	OFF	<b>STM: OFF</b>

Setup :

1. Press the Navikey to enter the function menu, then rotate the Navikey to select **ABS**. Press the Navikey again to enter the function. **ABS** will begin to flash at the bottom of the screen. (This function needs to be active to use. Press the NaviKey when **ABS** is flashing and rotate the Navikey to turn it on, then press the NaviKey to confirm and repeat step 1.)
2. Rotate the Navikey to select an ABS function and press the Navikey to confirm the selection.
3. Rotate the Navikey to change the function value and press the Navikey to confirm.
4. Repeat as needed.

## 6.9 Trim (TRIM)

This function is used to change the center point of each channel. For example if the steering wheel, when centered, leaves the models wheels pointing out of alignment, this function can be used to correct it.

Setup:

This function can used to adjust 4 channels: steering, throttle, channel 3 and channel 4. The adjustment range is between 0-120. Adjustments may also be made on the fly using the trim buttons. The direction from the centre will be represented as L (left) or R (right) for steering, F (forward) or B (back) for throttle and U (up) or D (down) for AUX 3 and 4.

1. Use the NaviKey to select the **[TRIM]** menu, press the Navikey to edit the function.
2. **[ST]** will flash. Use the NaviKey to select a channel, then press the Navikey.
3. With a channel selected use the NaviKey to change the percentage.
4. Press the Navikey to save and exit.
5. Repeat for other channels as needed.

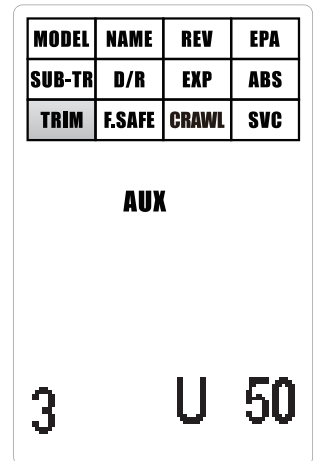
## 6.10 Failsafe (F.SAFE)

This function protects the model, the safety of the user and others. When active the failsafe will set all channels to a predefined value until either, power is removed or it regains signal. If a channel is set to off it will remain in the last position it was in when signal is lost.

Setup :

This function only works with 6 channels with an adjustment range from -100-100%.

1. Use the NaviKey to select the **[F.SAFE]** menu, then press the Navikey to enter the function.
2. The screen will display **[ST]** and **[OFF]**. Rotate the Navikey to select a channel then press the navikey to confirm.
3. Move the selected channel to the desired position using its' control input and press the Navikey to save.
4. Repeat for other channels as needed.



## 6.11 Crawl (CRAW)

This function is used to create a crawler mix, meaning that the front and back wheels can move in different directions. By default this function is set to off. Channel 3 will always be assigned as the rear wheels.

Setup :

[A]: Front wheel steering.

[B]: Rear wheel steering.

[C]: The front and back wheels will turn in the same direction for tight turns.

[D]: Front and back wheels will move in opposite directions.

1. Use the NaviKey to select the [CRAW] menu, press the Navikey again to enter the function.
2. Use the NaviKey to choose [A]~[D] or OFF.
3. Press the Navikey to confirm selection.

The following table shows the available modes:

[A]	A:	I	[C]	C:	I
[B]	B:	I	[D]	D:	I

## 6.12 S.V.C. (SVC)

Note: This function is only available for the FS-BS6. However because of frequent updates this function may become available for other receivers. for more information please visit our website.

Intelligent vehicle control needs the use of the receivers gyroscope. Using the gyroscope this function will alter throttle and steering in order to keep the model going in the desired direction.

### Neu.Cal(Neutral Calibration)

Calibrates the gyro settings so that the the intelligent vehicle control system is able to set a current position for the netrual steering position.

This calibration will happen each each time the steering returns to this position in order for the system to detect any direction change that is not desired by the user.

### Rev (reverse)

Used to switch the orientation of the wheel in the intelligent control direction. Turn the vehicle body before moving the vehicle to see if the direction of the wheel correction is correct. Turn left when the wheel should be corrected to the right;

When turning to the right, the wheel should be corrected to the left.

MODEL	NAME	REV	EPA
SUB-TR	D/R	EXP	ABS
TRIM	F.SAFE	CRAWL	SVC

MODEL

OFF

MODEL	NAME	REV	EPA
SUB-TR	D/R	EXP	ABS
TRIM	F.SAFE	CRAWL	SVC

SVC.ON

ON

### St.Gain (direction sensitivity)

Used to correct the wheel in the expected direction of travel, the system detects the body will rotate, it will automatically through the wheel correction body. The direction sensitivity is the adjustment system for the wheel of the school is the intensity of the set range of 0% -100%, when the vehicle running when the direction of the left and right swing can reduce the intensity, correction strength is insufficient to increase.

### Th.Gain (throttle sensitivity)

When the vehicle turns, the weak speed is too fast, may cause flicking or rollover. After the opening function, the throttle trigger is not loose, the system will reduce the throttle, so that it can quickly and safely turn. Deceleration is 0-100%.

### Prio (priority)

The priority is used to set the correction ratio of the direction sensitivity when the vehicle is turned, that is, the turning radius. When you hit the hand wheel to the maximum travel turn, the value is 0, the turning radius of the most large, when the value is 100% the minimum turning radius.

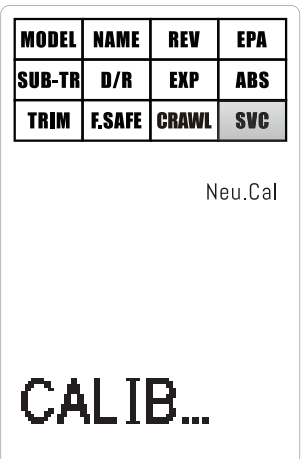
Setup: **[MODE: ON/OFF]**

### On/Off

1. Use the NaviKey to select the **[SVC]** menu, press the Navikey again to enter the function.
2. Move the Navikey to select SVC.ON, then rotate the Navikey so that the function shows "ON" in the bottom right corner.
3. Press the Navikey again to confirm.

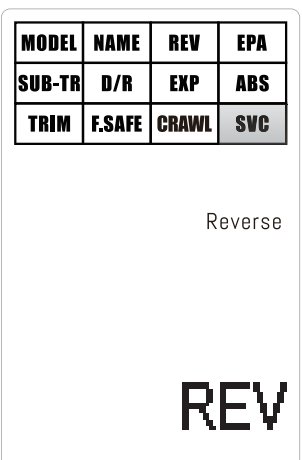
### [Neu.Cal]

1. Use the NaviKey to select the **[SVC]** menu, press the Navikey again to enter the function.
2. Move the Navikey to select **Neu.Cal**.
3. Make sure everything is centered and press the Navikey again to start calibration.



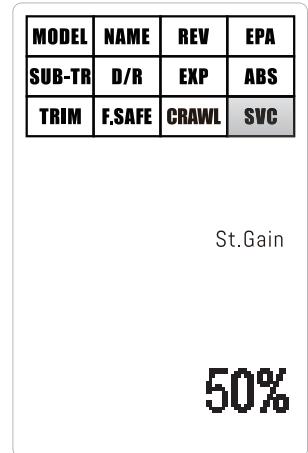
### [Rev]

1. Use the NaviKey to select the **[SVC]** menu, press the Navikey again to enter the function.
2. Move the Navikey to select **Reverse** and press the Navikey to confirm.
3. Rotate the Navikey to change between **NOR** (Normal) and **REV** (Reverse) as required.
4. Press the Navikey to confirm.



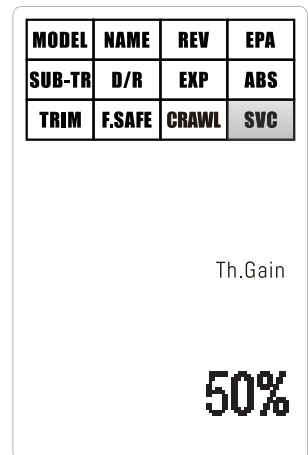
## [St.Gain]

1. Use the NaviKey to select the **St.Gain** menu, press the Navikey again to enter the function.
2. Rotate the Navikey to change the **St.Gain** value (%).
3. Press the Navikey to confirm.



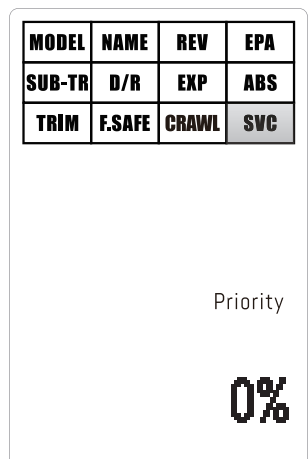
## [Th.Gain]

1. Use the NaviKey to select the **Th.Gain** and press the Navikey to confirm.
2. Rotate the Navikey to change the **Th.Gain** value (%).
3. Press the Navikey to confirm.



## [Priority]

1. Use the NaviKey to select the **Th.Gain** and press the Navikey to confirm.
2. Rotate the Navikey to change the **Th.Gain** value (%).
3. Press the Navikey to confirm.



## 7. Product Specifications

This section contains FS-GT5 transmitter and FS-BS6 receiver specifications.

### 7.1 Transmitter specification(FS-GT5)

Model Type	Car, Boat
Output channel	6
RF Range	2.408-2.475 GHz
Channel spacing	500KHz
Channels	135
RF Power	<20dBm (for Europe)
Receiving Sensitivity	-95dBm
2.4GHz Protocol	AFHDS 2A
Modulation Type	GFSK
Transfer Method	FHSS
Channel Resolution	4096
Channel Delay	< 15ms
Low Voltage Alarm	AA batteries <4.4V, 2S lithium battery <7.4V
Data Output	None
Charging Port	None
Antenna	26mm
Input Power	None
Display	NTN semi-permeable, segment screen, VA52.5 * 34mm LCD white backlight
Online Update	N/A
Range (No ground interference)	> 200m
Working Current	100 ~120mA
Channel Data Parameters	Median: 1500us, Range: 900 ~ 2100us
Dimensions	158*95*243 mm
Weight	296g
Certification	CE, FCC ID : N4ZGT500

### 7.2 Receiver Specification(FS-BS6)

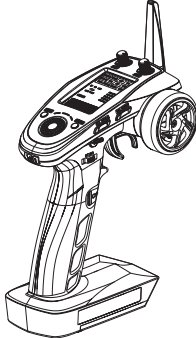
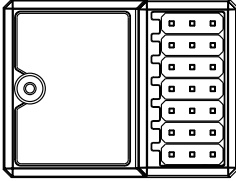

The FS-BS6 has a built-in gyroscope stabilization system.

Channels	6
RF range	2.408-2.475 GHz
RF channel	135
RX sensitivity	-95dBm
2.4GHz system	AFHDS 2A
RF Power	<20dBm (for Europe)
Modulation type	GFSK
Power input	4.0 - 8.4 V DC
Weight	7.65g
Dimensions	29mm x 22mm x 16 mm
Certificate	CE, FCC ID : N4ZBS600



# Digital Proportional Radio Control System **FS-GT5**

## 8. Package Contents

Item	Quantity	
Transmitter FS-GT5	1	
Receiver FS-BS6	1	
Quick Start Guide	1	

## 9. Certification

### 9.1 DoC Declaration

Hereby, [Flysky Technology co., ltd] declares that the Radio Equipment [FS-GT5] is in compliance with RED 2014/53/EU.

The full text of the EU DoC is available at the following internet address: [www.flysky-cn.com](http://www.flysky-cn.com)

### 9.2 CE Warning

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance

### 9.3 Appendix 1 FCC Statement

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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment 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.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

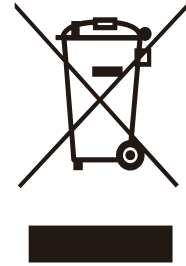
1. Move all your channels to the desired position.
2. Select [All channels] and then [Yes] in the confirmation box.

## 10. Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

### **CAUTION**

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.  
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS





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Release date: 2017-12-27



FCC ID: N4ZGT500