



# T16IZ

## GYA553



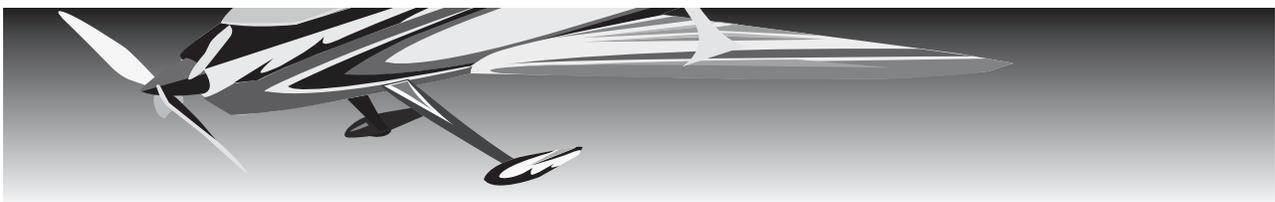
**T16IZ Ver.2**

**GYA553**

**Setting manual**

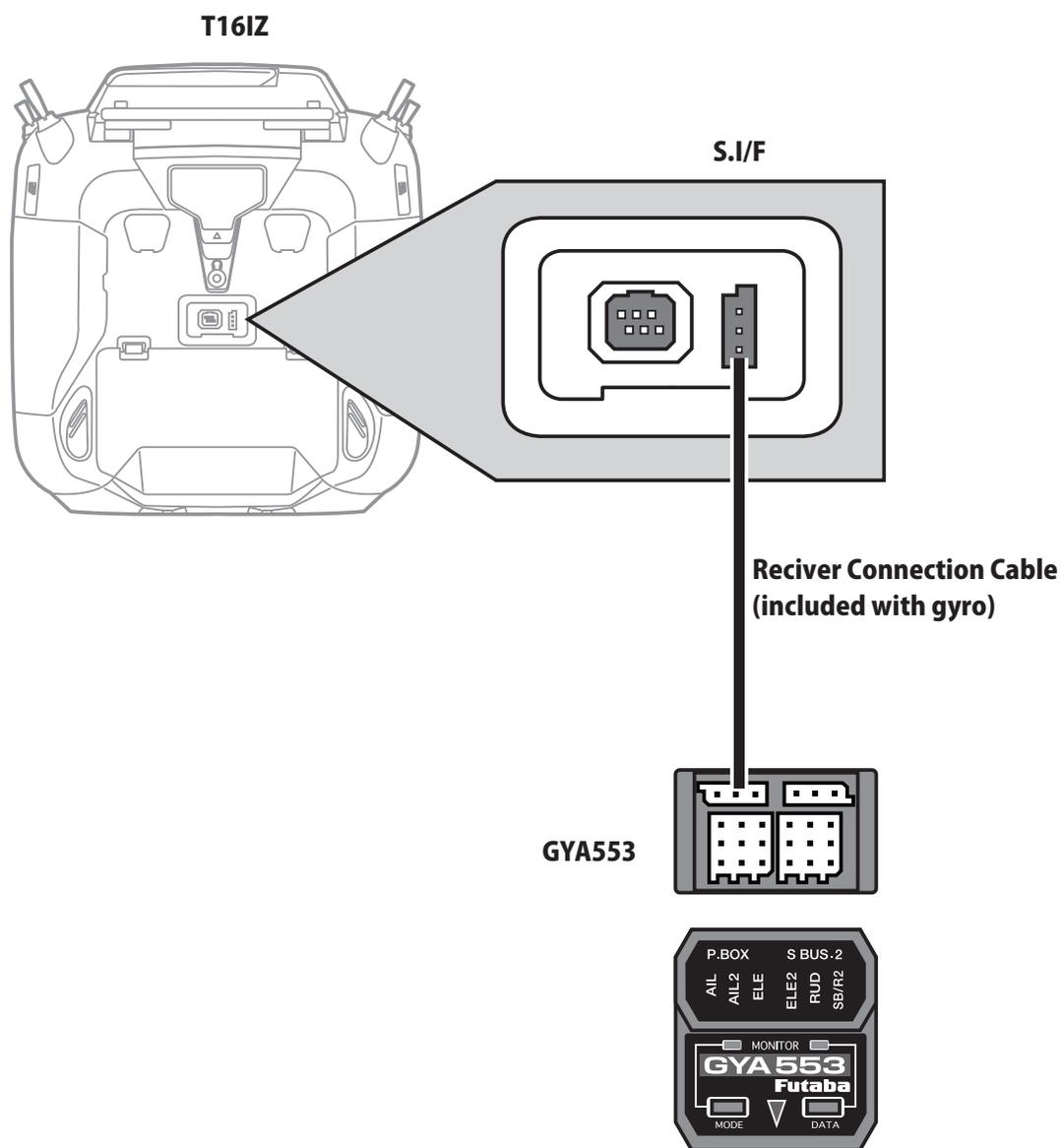
**Futaba**

1M23Z07703



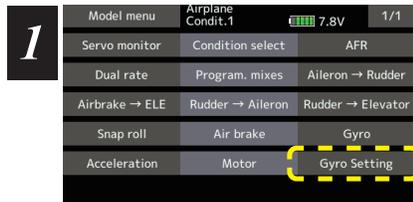
By installing the latest software (Ver. 2 ~) on the T16IZ, you can setting the airplane gyro GYA553 on the T16IZ.

### Connection T16IZ and GYA553

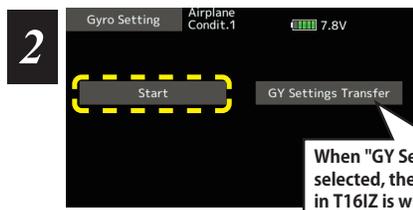


#### ⚠ CAUTION

❗ Be sure to connect and disconnect the GYA553 and T16IZ connection cable with the power off.



1. Select "Gyro setting" on the last page of Airplane Model Menu



2. Select "Start"

When "GY Settings Transfer" is selected, the gyro setting data saved in T16IZ is written to the gyro.



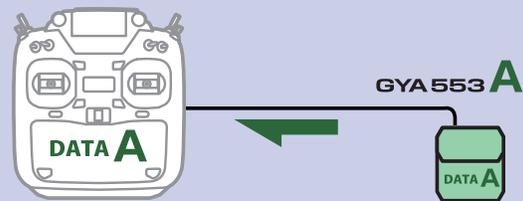
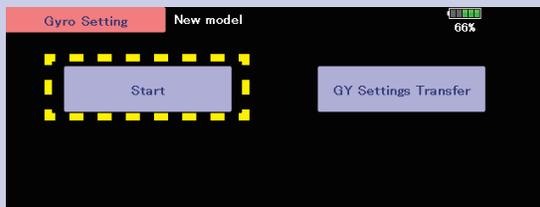
Select "Start"  
This will download the gyro data to the T16IZ.



3. Home screen is displayed

→ To Basic menu

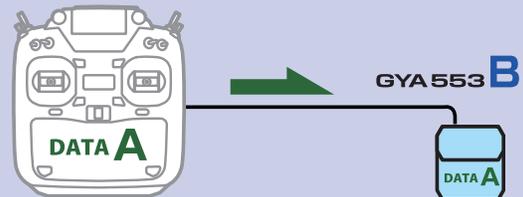
## ◆ When copying data from Gyro A to Gyro B



Connect the gyro A to the T16IZ and press [Start]. (Enter the data of A into T16IZ)



If you press Start here, the B data will be download to the T16IZ and the A data will be lost.



Connect Gyro B to T16IZ and press [GY Settings Transfer]. (Put data on A into gyro B)

## Home screen

On the home screen, basic information such as gyro operation mode, sensitivity, battery voltage are displayed.

The Home screen displays the following information:

- GYA553
- Airplane Condit.1
- Battery voltage: 7.1V (indicated by a callout: "Battery voltage Displays the voltage of the receiver battery connected to GYA.")
- Gyro operation mode / Gyro gain (indicated by a callout: "Displays 'AVCS' or 'Normal' operation mode and gyro gain of aileron (roll), elevator (pitch) and rudder (yaw) axis."):
 

AIL	Gyro	OFF
ELE	Gyro	OFF
RUD	Gyro	OFF
- Basic Menu button

## Basic menu

The Basic menu displays the following information:

- GYA553
- Airplane Condit.1
- Battery voltage: 7.8V
- Home screen 7.1V
- AIL Gyro OFF
- ELE Gyro OFF
- RUD Gyro OFF
- Basic Menu button

Navigation options from the Basic menu:

- Config (indicated by a blue arrow pointing to the Config screen)
- SBus Basic (indicated by a blue arrow pointing to the SBus Basic screen)

**Config** screen details:

- Config Airplane Condit.1 7.8V 1/6
- Gyro Set Dir: Up (selected), Left, Down, Right
- Wing: Normal (selected), ELEVON
- Tail: Normal (selected), V-Tail
- Servo Type: DG:285Hz (selected), AN: 70Hz
- SB/R2 Out: S.Bus (selected), RUD2

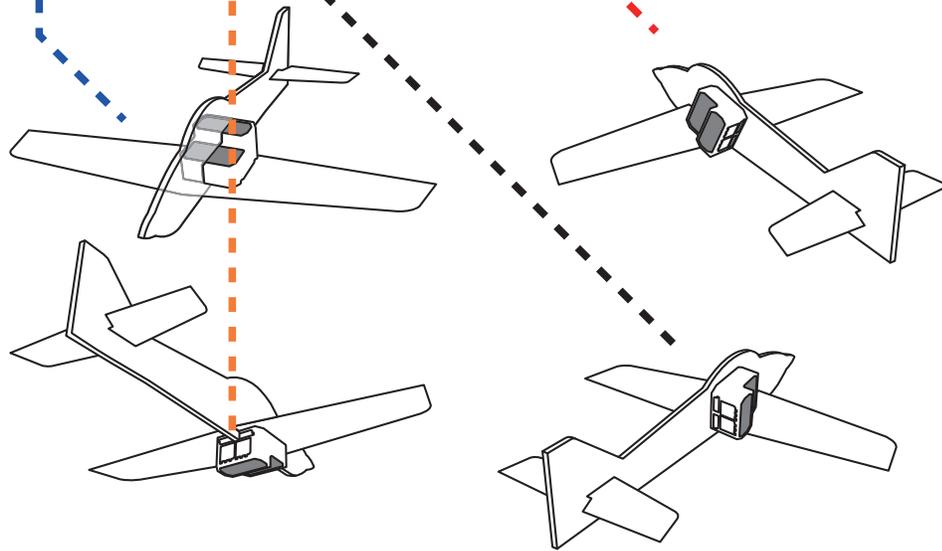
**S.BUS basic** screen details:

- SBus Basic Airplane Condit.1 7.8V 1/2
- AIL: CH1 Gain AIL CH5
- ELE: CH2 Gain ELE CH7
- RUD: CH4 Gain RUD CH8
- AIL2: CH6 ELE2 CH9
- RUD2: CH11

**Config 1/6 Gyro set mounting direction**

Config	Airplane Condit.1	7.8V	1/6	
Gyro Set Dir	<b>Up</b>	Left	Down	Right
Wing	Normal	ELEVON		
Tail	Normal	V-Tail		
Servo Type	DG:285Hz	AN: 70Hz		
SB/R2 Out	S.Bus	RUD2		

Set the mounting direction of GYA. Set mounting direction with reference to figure below.

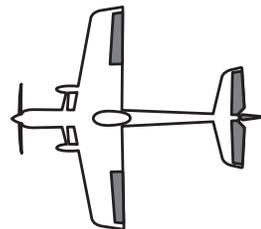


**Config 1/6 WING/TAIL**

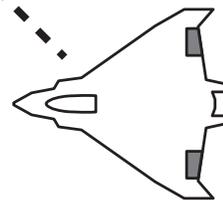
Set with the wing type/tail type of GYA553. The wing type/tail type of the transmitter is not used and is normal.

- Turn off the elevon / V-tail mixing on the transmitter side.
- Do not use transmitter sub-trim. Adjust using the gyro neutral offset.
- When using the S.BUS servo, you can also use the neutral offset function of the S.BUS servo setting parameters.

Config	Airplane Condit.1	7.8V	1/6	
Gyro Set Dir	<b>Up</b>	Left	Down	Right
Wing	<b>Normal</b>	ELEVON		
Tail	<b>Normal</b>	V-Tail		
Servo Type	DG:285Hz	AN: 70Hz		
SB/R2 Out	S.Bus	RUD2		



Select wing type



Select tail type



# Config

## Config 1/6 Servo type



Select the servo type according to the servo to be used.

**Digital servo → DG : 285 Hz**

**Analog servo → AN : 70 Hz**

The stability of digital-servo mode of a flight increases in order to perform a high-speed control action.

**Digital servo**

**Analog servo**

## Config 1/6 SB/R2 OUT



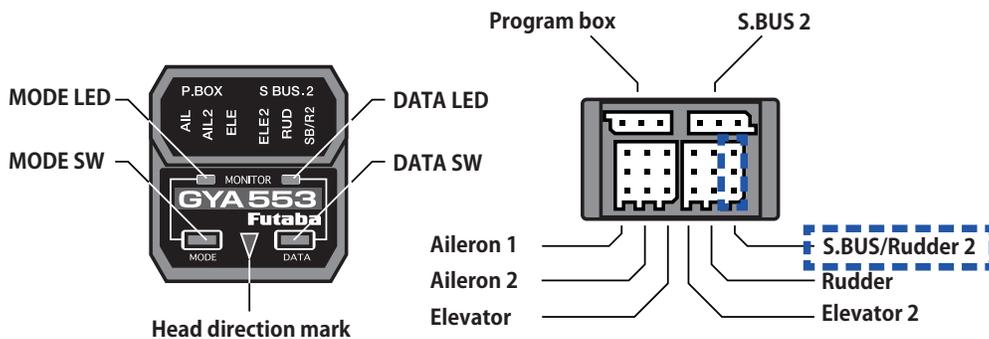
Select the SB / R2 port.

**S.BUS**

**Rudder 2**

**S.BUS devices can be connected to this port.**

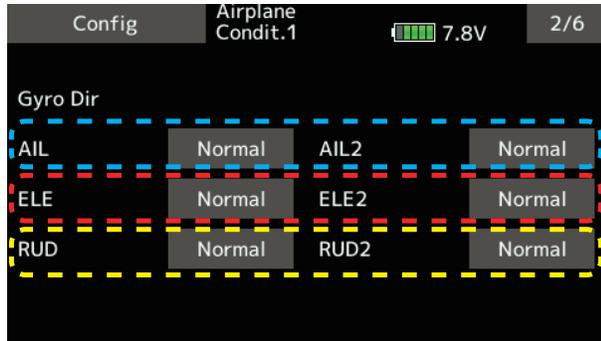
**When using two rudder servos**



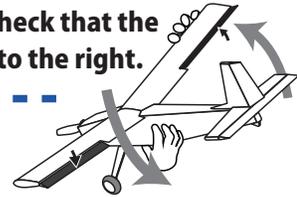
**Config 2/6 Gyro direction**

It is the direction setting of the gyro. Be careful as it will crash if the direction is reversed.

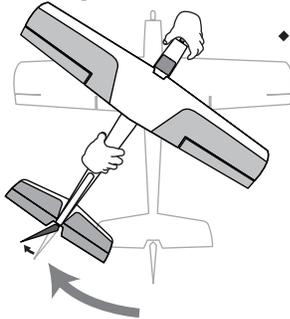
For dual aileron, dual elevator, and dual rudder aircraft, check the operating direction of each second aileron/elevator/rudder.



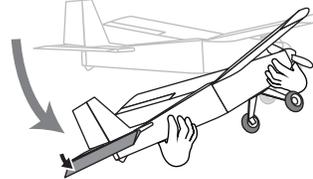
Tilt the airplane to the left on the ground and check that the ailerons operate to the right.



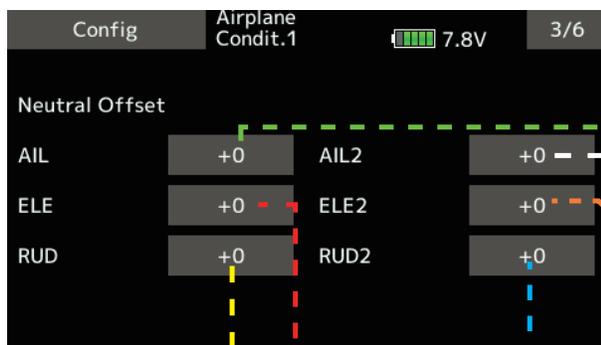
Turn the airplane to the right on the ground and check that the rudder operates to the left.



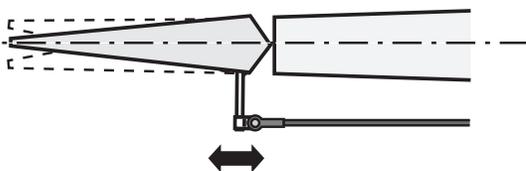
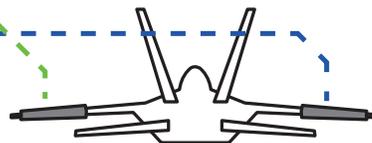
Raise the airplane with its nose upward and check that the elevator operates downward.



**Config 3/6 Neutral offset**



Neutral position setting for each servo.



This will move the neutral to the desired position.

## Config

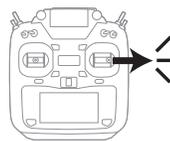
### Config 4/6 5/6 Servo limit



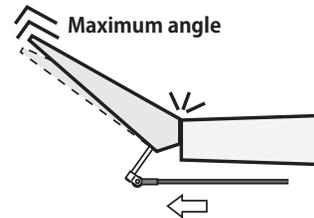
This is the limit setting for each servo. The position of the maximum operation is read into the gyro in the first setting.



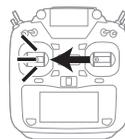
### Aileron example



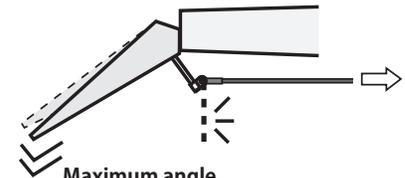
Stick to full right



Adjust the value (%) to reach the maximum operating position



Stick to full left



Adjust the value (%) to reach the maximum operating position

### Config 6/6 Reset



Reset each Config item. It returns to the initial value.

## SBUS Basic menu

Set the CH for each function according to the transmitter to be used. Any unused functions should be set to INH (Inhibited).

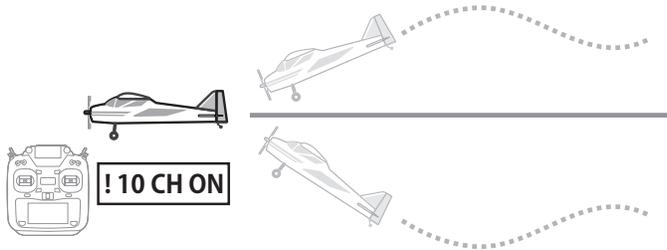


The channel of each function can be changed.



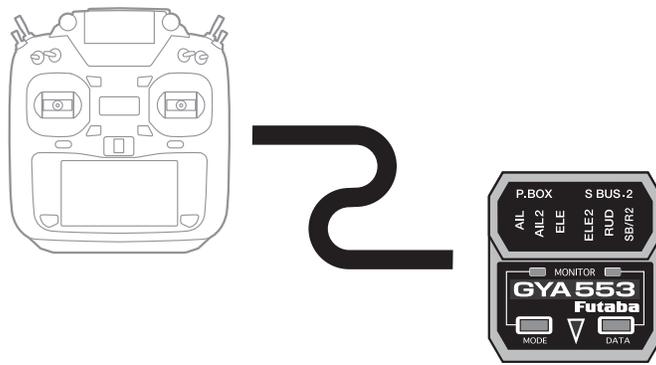
Reset each S.BUS function. It returns to the initial value.

ON-OFF channel for auto recovery.



### ⚠ WARNING

ⓘ Always verify that the S.BUS function assignments match your transmitter's function (in the FUNCTION menu) assignments. If any changes are made within the transmitter function assignments, then it will also be necessary to make the changes within the S.BUS function assignments. To change the channel, GYA553 and T16IZ must be connected.



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