



T16IZ

GYA553



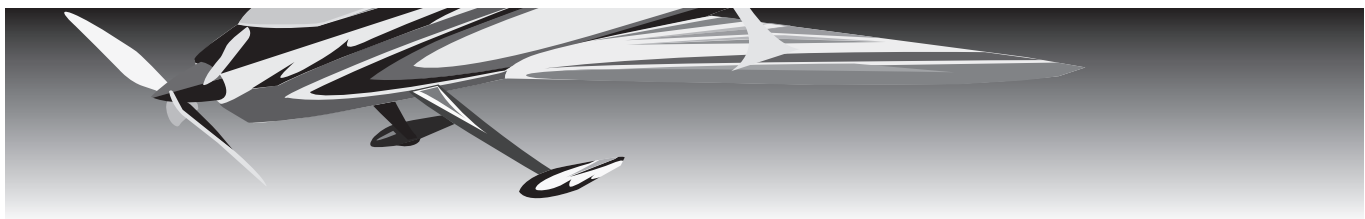
T16IZ Ver.2

GYA553

Setting manual

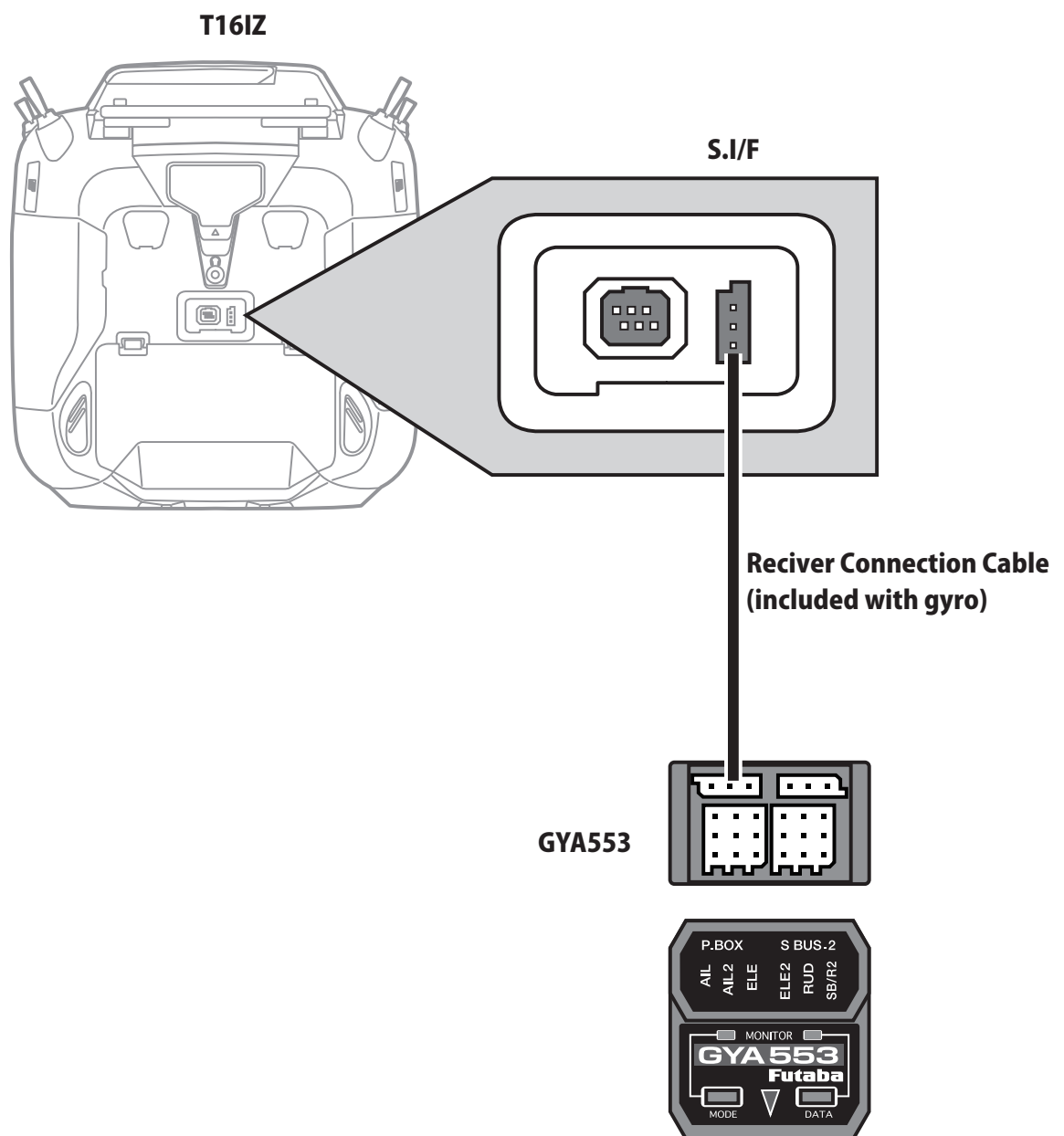
Futaba

1M23Z07703



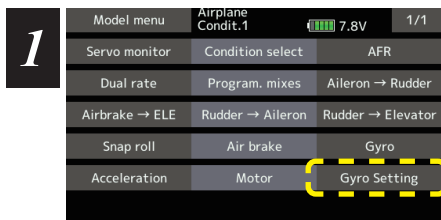
By installing the latest software (Ver. 2 ~) on the T16IZ, you can setting the airplane gyro GYA553 on the T16IZ.

Connection T16IZ and GYA553

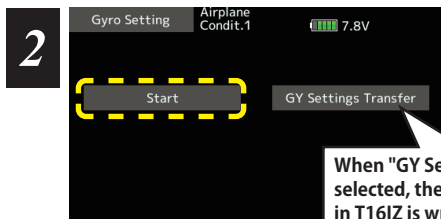


⚠ CAUTION

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

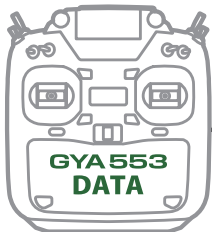
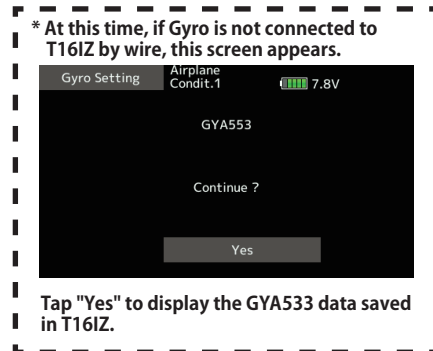


1. Select "Gyro setting" on the last page of Airplane Model Menu



2. Select "Start"

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



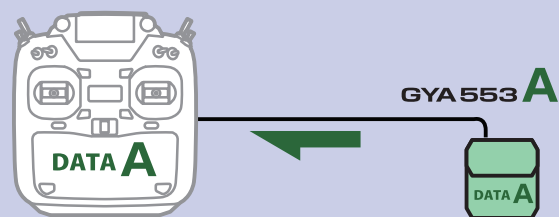
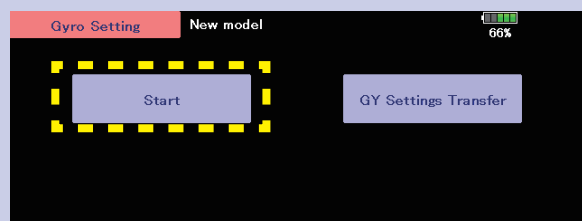
Select "Start"
This will download the gyro data to the T16IZ.



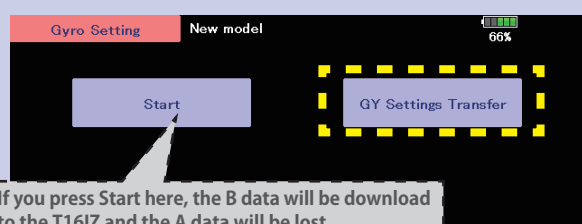
To Basic menu

3. Home screen is displayed

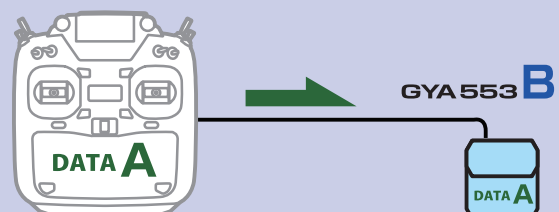
◆ When copying data from Gyro A to Gyro B



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



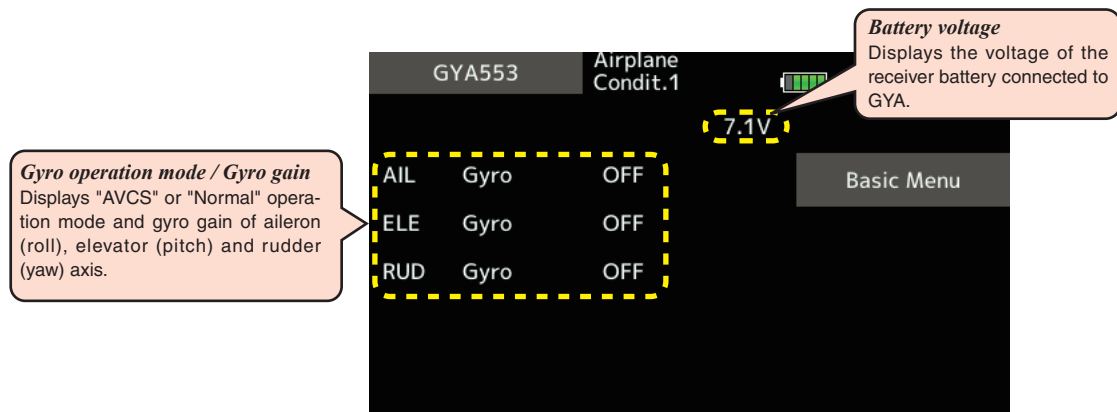
If you press Start here, the B data will be download to the T16IZ and the A data will be lost.



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.



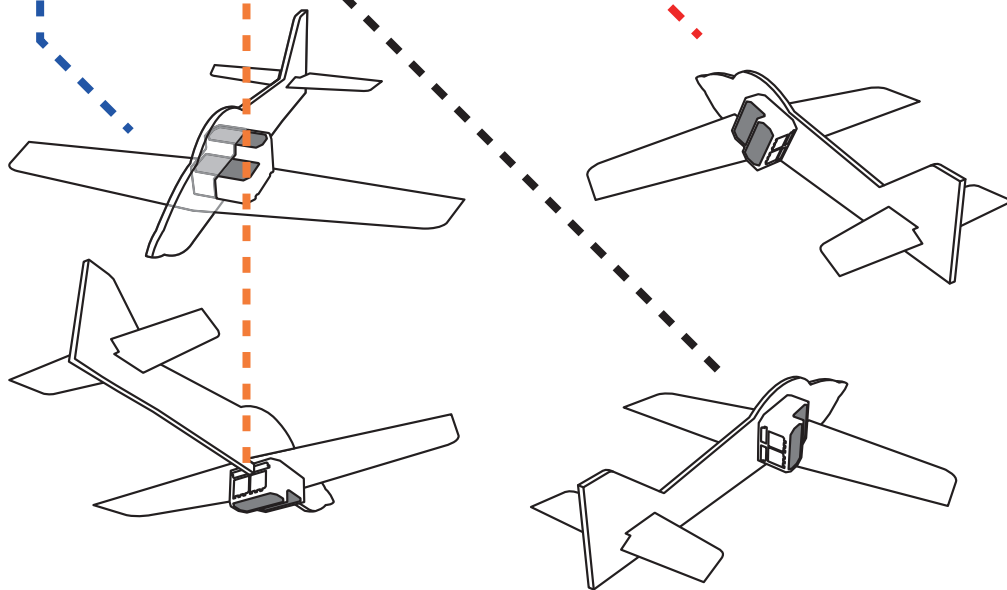
Basic menu



Config 1/6 Gyro set mounting direction

Config	Airplane	Condit.1	7.8V	1/6
Gyro Set Dir	Up	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.

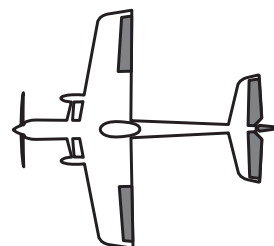


Config 1/6 WING/TAIL

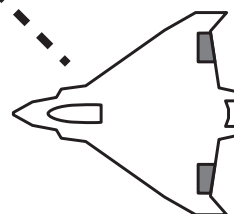
Set with the wing type/tail type of GYA553. The wing type/tail type of the transmitter is not used and is normal.

- 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	Up	Left	Down	Right
Wing	Normal	ELEVON		
Tail	Normal	V-Tail		
Servo Type	DG:285Hz	AN: 70Hz		
SB/R2 Out	S.Bus	RUD2		



Select wing type

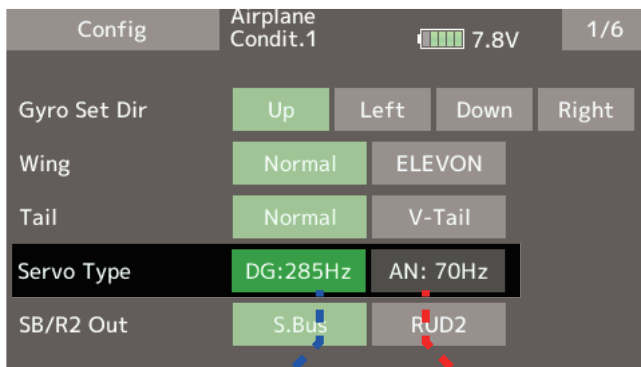


Select tail type



Config

Config 1/6 Servo type



Digital servo

Analog servo

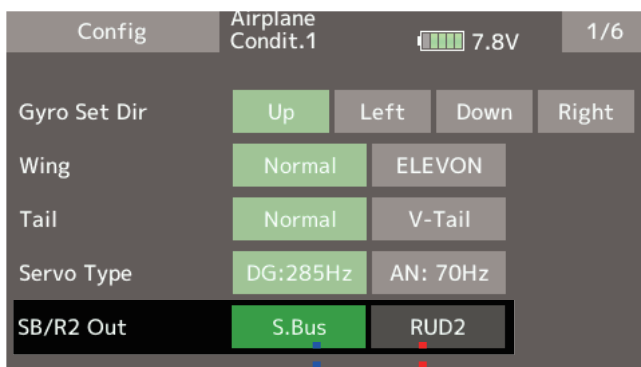
Select the servo type according to the servo to be used.

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.

Config 1/6 SB/R2 OUT

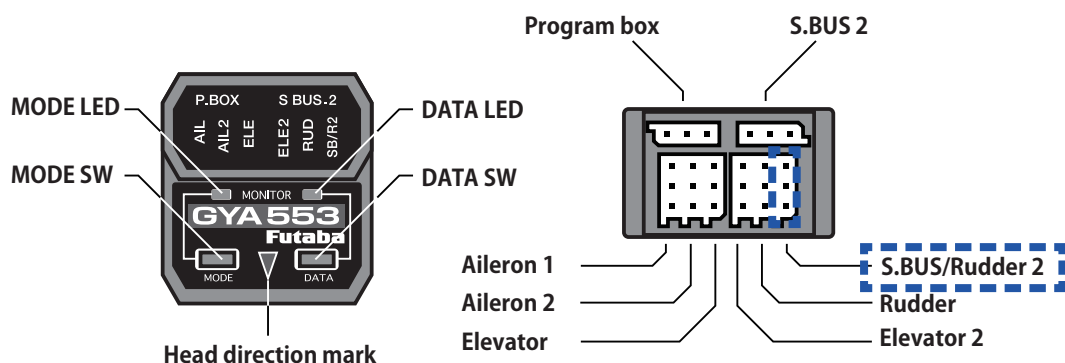


S.BUS

S.BUS devices can be connected to this port.

Rudder 2

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.

Config

Airplane
Condit.1

 7.8V

2/6

Gyro Dir

AIL

Normal

AIL2

Normal

ELE

Normal

ELE2

Normal

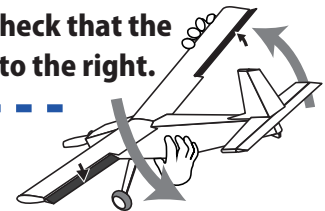
RUD

Normal

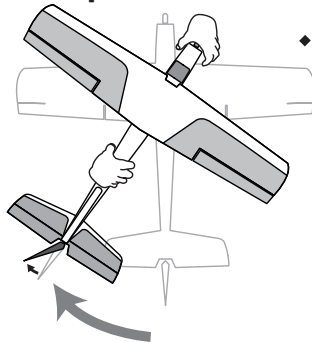
RUD2

Normal

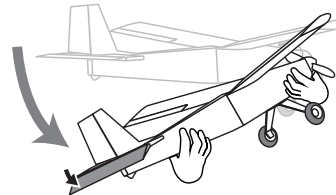
Tilt the airplane to the left on the ground and check that the ailerons operate to the right.




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



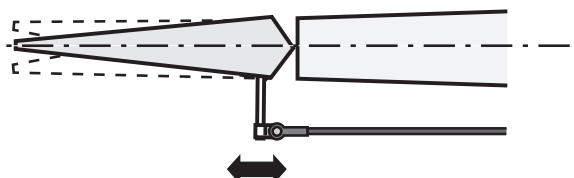
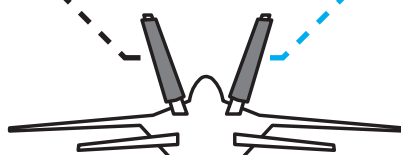
Raise the airplane with its nose upward and check that the elevator operates downward.



Config 3/6 Neutral offset

Config	Airplane Condit.1		 7.8V	3/6
Neutral Offset				
AIL	+0	AIL2	+0	
ELE	+0	ELE2	+0	
RUD	+0	RUD2	+0	


Neutral position setting for each servo.




This will move the neutral to the desired position.

Config

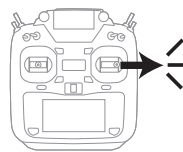
Config 4/6 5/6 Servo limit

Config	Airplane	Condit.1	 7.8V	4/6
Srv.Limit				
AIL	100 %	100 %		
ELE	100 %	100 %		
RUD	100 %	100 %		

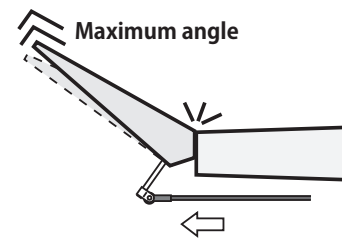
This is the limit setting for each servo. The position of the maximum operation is read into the gyro in the first setting.

Config	Airplane	Condit.1	 7.8V	5/6
Srv.Limit				
AIL2	100 %	100 %		
ELE2	100 %	100 %		
RUD2	100 %	100 %		

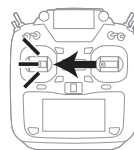
Aileron example



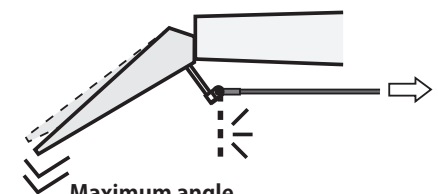
Stick to full right



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



Stick to full left



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

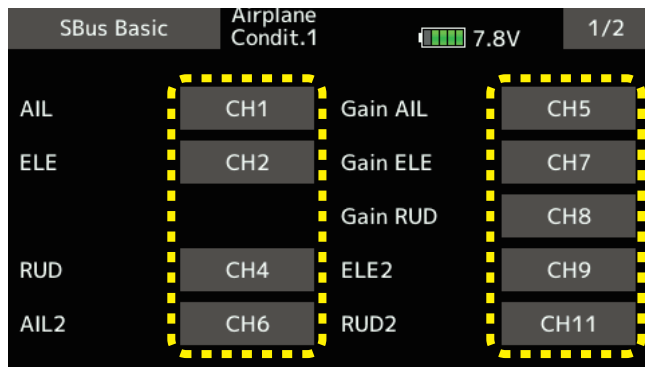
Config 6/6 Reset

Config	Airplane	Condit.1	 7.8V	6/6
Data reset				
<input type="button" value="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).

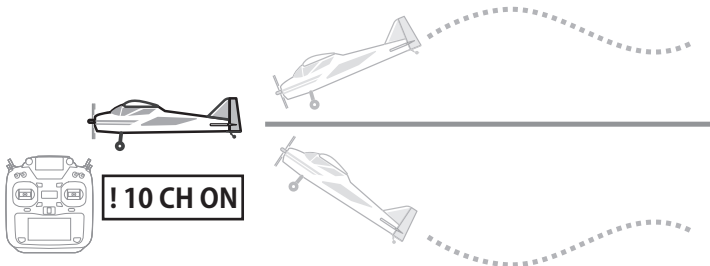


The channel of each function can be changed.



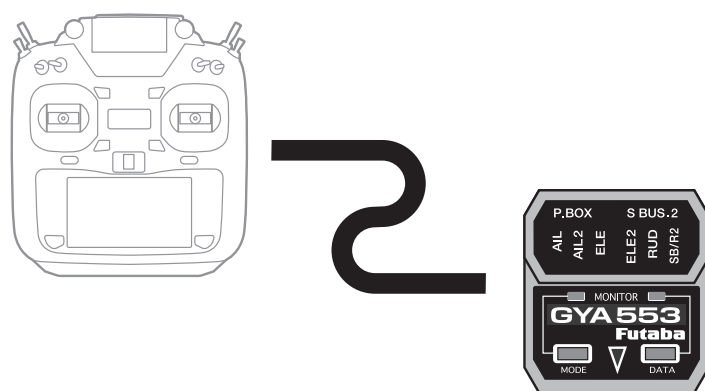
Reset each S.BUS function. It returns to the initial value.

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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