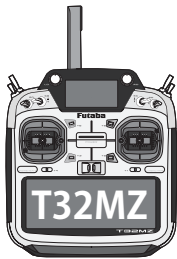


## Here is an example of using 32 channels with T32MZ and R7108SB.

This document is an example of how to use it (Airplane 4 aileron 4 flap plus 19 additional channels). Please be aware that the connection and setting method differ depending on the usage conditions of the customer.

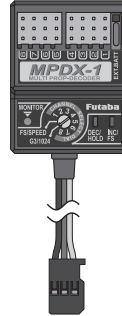
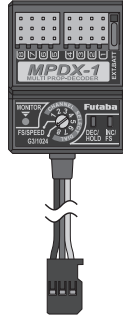
### ◆ Necessary items



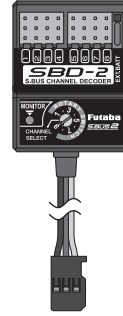
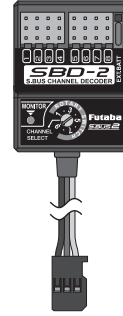
◆ T32MZ



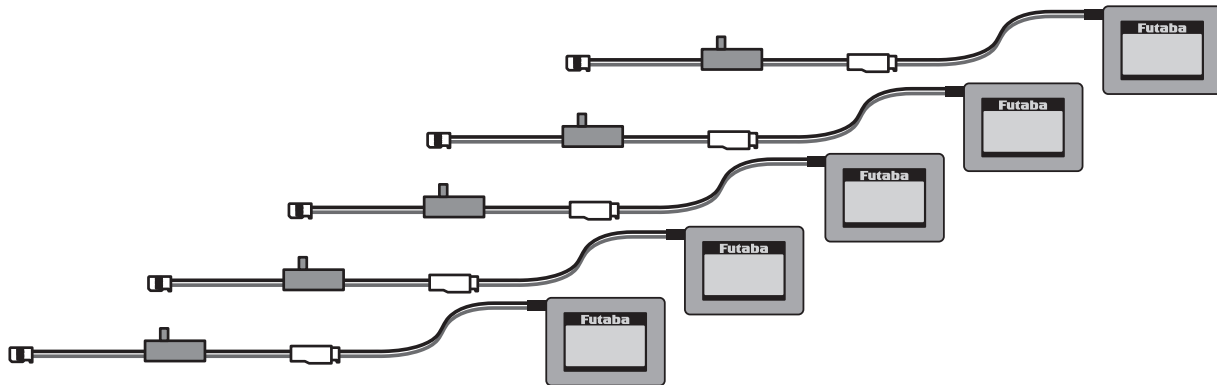
◆ R7108SB



◆ MPDX-1 2 pieces



◆ SBD-2 2 pieces



◆ Receiver battery and switch 5 SET

◆ The multiprop function can be used by using the separately sold multiprop decoder MPDX-1. The multiprop function is a function that divides one channel into eight channels and extends the number of channels. Up to 2 MPDX-1s can be used, and up to 32 channels can be expanded as follows.

- Linear channel 14 channels (2 channels are used by multi-prop function)
- ON / OFF channel 2 channels
- Multiprop channels 16 channels

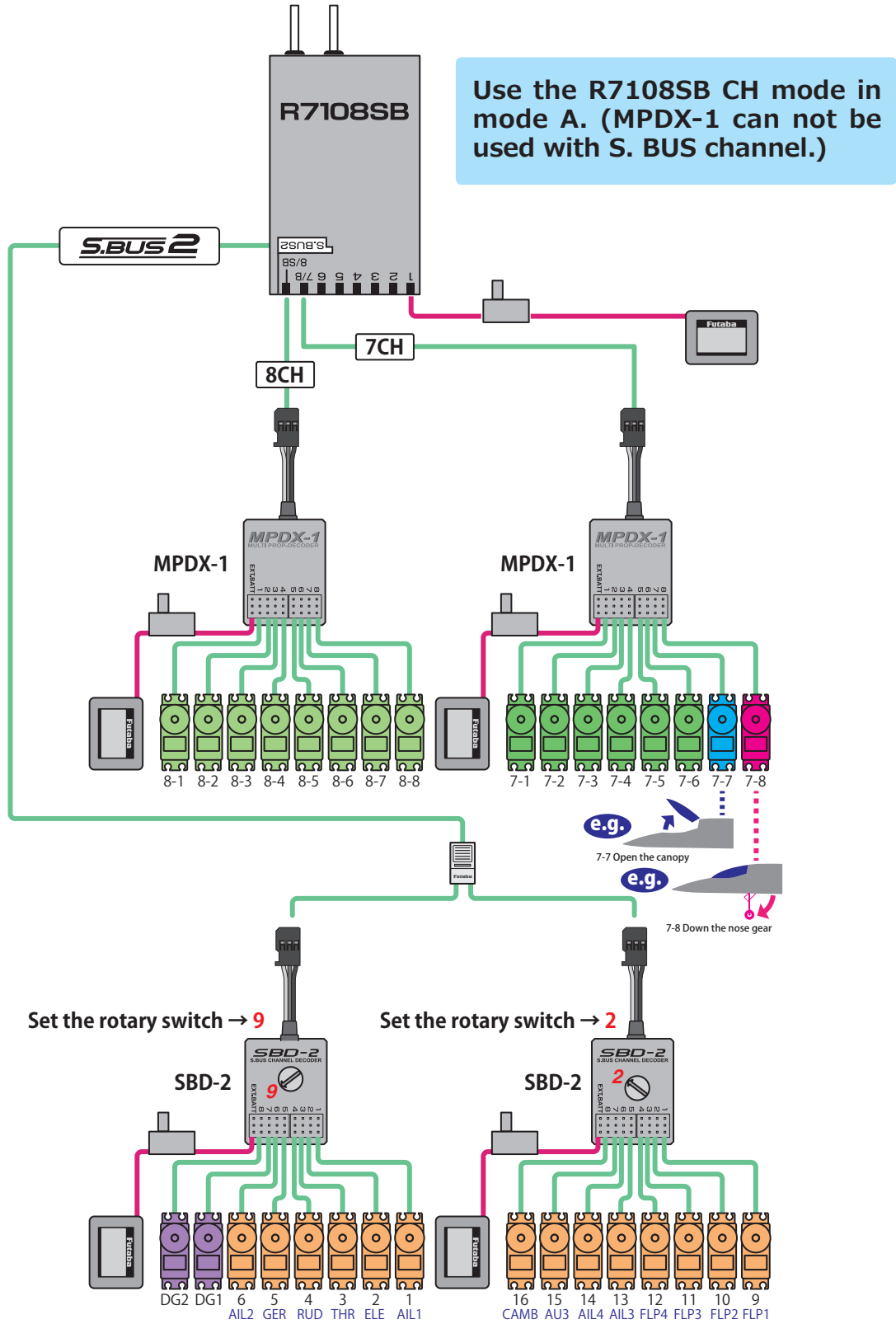
◆ Multiprop channels have the following differences from normal linear channels.

- The resolution of the multiprop channel is lower than that of the linear channel.
- Operating multiple multiprop channels simultaneously may reduce the operation response of the multiprop channel.
- Multiprop channels can not use the mixing function.

◆ CH which can be Multiprop set up.

- FASSTest 18CH ---1-12CH
- FASSTest 12CH ---not set
- FASST MULTI ---11,12CH
- FASST 7CH ---not set
- T-FHSS, S-FHSS ---not set

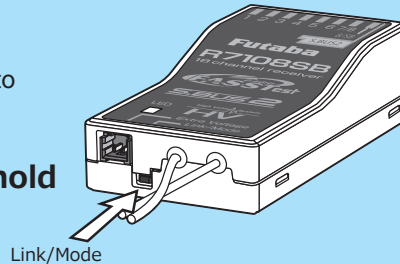
◆ Connection example



## ◆ How to set R7108SB to mode A

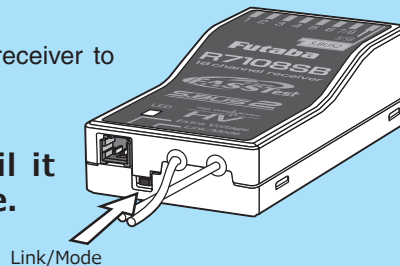
- 1 Turn on the receiver. [Transmitter is always OFF]
- 2 Press and hold the Link/Mode button for 5 seconds to 10 seconds.

Press and hold  
5 s - 10 s



- 3 When the LED of the receiver changes from blinking red to blinking red with green, Link/Mode button is released.
- 4 The LED should now blink red two times in the patterns described in the chart below.
- 5 Each press of the Link/Mode button advances the receiver to the next mode.

Press several times until it  
turns red LED blink 1 time.



### R7108SB CH Mode table

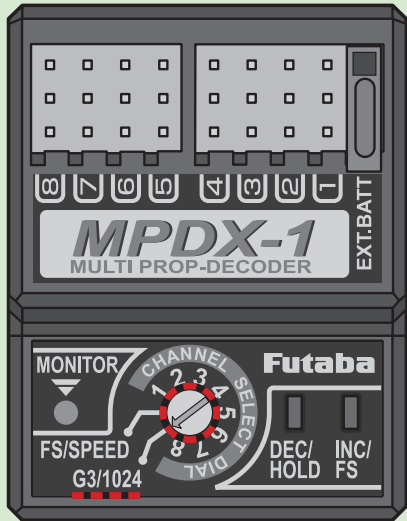
Output connector	Channel			
	<i>Mode A</i> 1 ~ 8CH	<i>Mode B</i> 1 ~ 7CH	<i>Mode C</i> 9 ~ 16CH	<i>Mode D</i> 9 ~ 15CH
1	1	1	9	9
2	2	2	10	10
3	3	3	11	11
4	4	4	12	12
5	5	5	13	13
6	6	6	14	14
7/B	7	7	15	15
8/SB	8	S.BUS	16	S.BUS
Red LED blink	1 time	2 times	3 times	4 times

Default

- 6 When you reach the mode that you wish to operate in, press and hold the Link/Mode button for more than 2 seconds. When LED blinks in green with red, it is the completion of a mode change, Link/Mode button is released.
- 7 Please cycle the receiver power off and back on again after changing the Channel mode.

## ◆ How to set MPDX-1

\*Although there is no description of the 2.4GHz system in the MPDX-1 manual, it is possible to use the 2.4GHz system in PCM-G3 mode.



### Operation mode setting

Set the operation mode to "PCM-G3".

- 1** Set the rotary switch to the "G3/1024" position.
- 2** Each time the "INC/FS" (or "DEC/HOLD") push switch is pushed for 1 second, the PCM-G3, PCM1024, and PPM mode is alternately selected. When the LED is off, the MPDX-1 is in the PCM-G3 mode, when the LED blinks slowly, the MPDX-1 is in the PCM1024 mode, and when the LED lights steadily, the MPDX-1 is in the PPM mode.

MONITOR LED	MODE
OFF	PCM-G3(2.4GHz)
Blinks slowly	PCM1024
Lights steadily	PPM

- 3** Set it to PCM-G3 of LED is off.

**2.4GHz is used in PCM-G3 mode.**

Fail safe and servo speed settings can be made for multiprop channels.  
If necessary, set according to the following.

### F/S mode/HOLD mode setting

The operation mode of each servo when the receiver cannot receive signals normally can be set.

**F/S mode:** Servo moves to a preset position.

**HOLD mode:** Servo remains in its present position.

- 1** Set the rotary switch to the "FS/SPEED" position.
- 2** Push the "INC/FS" (or "DEC/HOLD") push switch to turn off the LED.  
\*Each time the push switch is pressed, the LED toggles between off and slow blink.
- 3** Set the rotary switch to the channel # you want to set to the F/S mode or HOLD mode.

When you want to set the channel to the F/S mode, move the servo to the F/S operation position at the transmitter side and push the "INC/FS" switch.

\*When setting is complete, the LED lights.

When you want to set the channel to the HOLD mode, press the "DEC/HOLD" switch.

\*When setting is complete, the LED goes off.

### Servo speed setting

The delay of each servo can be set. The delay can be set within the 0 (no delay) to 10 (maximum delay) range.

- 1** Set the rotary switch to the "FS/SPEED" position.
- 2** Push the "INC/FS" (or "DEC/HOLD") push switch to slowly blink the LED.  
\*Each time the switch is pressed, the LED toggles between off and slow blink.
- 3** Set the rotary switch to the channel # whose delay you want to set.

When you want to increase the delay, push the "INC/FS" push switch.

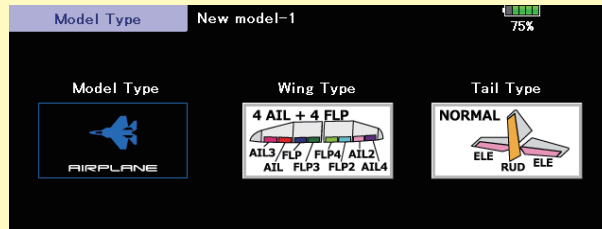
When you want to decrease the delay, push the "DEC/HOLD" push switch.

\*When the delay is zero, the LED goes off, when the delay is 4 or less, the LED blinks intermittently, and when the delay is 5 or greater, the LED blinks intermittently twice. The delay step is 10 steps. When maximum delay is set, the LED lights steadily.

## ◆ Setting example of T32MZ

\*The function settings of multi-prop channels MP1 and MP2 are deleted when the system type is changed.

### Linkage Menu → Model Type



e.g. 4AIL + 4FLP Airplane

### Linkage Menu → Function



Function				Condition 1			
CH	Function	Control	Trim	CH	Function	Control	Trim
1	Aileron	J1	T1	7	MP1	MP CH	
2	Elevator	J3	T3	8	MP2	MP CH	
3	Throttle	J2	T2	9	Flap	LS	
4	Rudder	J4	T4	10	Flap2	NULL	NULL
5	Gear	SG	NULL	11	Flap3	RS	NULL
6	Aileron2	NULL	NULL	12	Flap4	NULL	NULL

Change CH7 to MP1 (Multiprop1).

Change CH8 to MP2 (Multiprop2).

### Function 1/2 → Function 2/2

Function				Condition 1			
CH	Function	Control	Trim	CH	Function	Control	Trim
13	Aileron3	NULL	NULL				
14	Aileron4	NULL	NULL				
15	Auxiliary3	NULL	NULL				
16	Camber	LST	NULL				

Change CH13 to Aileron3.

Change CH14 to Aileron4.

Function				Condition 1			
CH	Function	Control	Trim	CH	Function	Control	Trim
1	Aileron	J1	T1	7	MP1	MP CH	
2	Elevator	J3	T3	8	MP2	MP CH	
3	Throttle	J2	T2	9	Flap	LS	NULL
4	Rudder	J4	T4	10	Flap2	NULL	NULL
5	Gear	SG	NULL	11	Flap3	RS	NULL
6	Aileron2	NULL	NULL	12	Flap4	NULL	NULL

Tap "MP CH"

Control				Control			
Multiprop CH (MP1)				Multiprop CH (MP2)			
CH	Control	CH	Control	CH	Control	CH	Control
1	SA	5	SI	1	T5	5	RS
2	SC	6	SJ	2	T6	6	RST
3	SD	7	SB	3	LST	7	LD
4	SE	8	SH	4	LS	8	RD

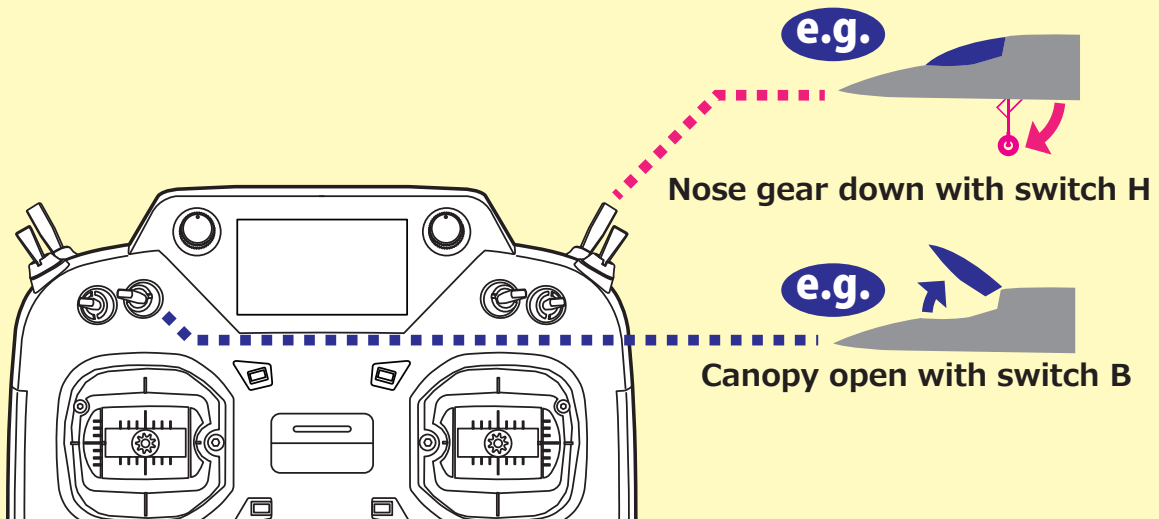
Select the switch etc. for operating multiprop channels (7-1 to 7-8, 8-1 to 8-8).

An example of operating  
7-7 Canopy with switch B  
7-8 Nose gear with switch H

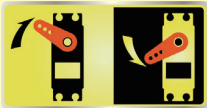
Control				New model-1				Multiprop CH (MP2)			
Multiprop CH (MP1)		Multiprop CH (MP2)		Multiprop CH (MP1)		Multiprop CH (MP2)		Multiprop CH (MP1)		Multiprop CH (MP2)	
CH	Control	CH	Control	CH	Control	CH	Control	CH	Control	CH	Control
1	SA	5	SI	1	T5	7	LD	1	NORM	5	NORM
2	SC	6	SJ	2	LST	8	RD	2	NORM	6	NORM
3	SD	7	SB	3	LS			3	NORM	7	NORM
4	SE	8	SH	4				4	NORM	8	NORM

Set SB

Set SH



## Linkage Menu → Servo Reverse → MP CH



Servo Reverse			New model-1			70%		
CH	Function	Setting	CH	Function	Setting	CH	Function	Setting
1	Aileron	NORM	7	MP1	MP CH	13	Aileron3	NORM
2	Elevator	NORM	8	MP2	MP CH	14	Aileron4	NORM
3	Throttle	NORM	9	Flap	NORM	15	Auxiliary3	NORM
4	Rudder	NORM	10	Flap2	NORM	16	Camber	NORM
5	Gear	NORM	11	Flap3	NORM		DG1	NORM
6	Aileron2	NORM	12	Flap4	NORM		DG2	NORM

Servo Reverse				New model-1				70%			
Multiprop CH (MP1)		Multiprop CH (MP2)		Multiprop CH (MP1)		Multiprop CH (MP2)		Multiprop CH (MP1)		Multiprop CH (MP2)	
CH	Control	CH	Control	CH	Control	CH	Control	CH	Control	CH	Control
1	NORM	5	NORM	1	NORM	5	NORM	1	NORM	5	NORM
2	NORM	6	NORM	2	NORM	6	NORM	2	NORM	6	NORM
3	NORM	7	REV	3	NORM	7	NORM	3	NORM	7	NORM
4	NORM	8	NORM	4	NORM	8	NORM	4	NORM	8	NORM

Select the operation direction (Normal or Reverse) of multiprop channels (7-1 to 7-8, 8-1 to 8-8).

## Linkage Menu → End Point (ATV) → MP CH



End Point(ATV)		New model-1				70%	2/3
CH	Function	Limit	Travel ←↑↻	↻↓→	Travel	Limit	Speed
7	MP1		MP CH				
8	MP2		MP CH				
9	Flap	135%	100%		100%	135%	0
10	Flap2	135%	100%		100%	135%	0
11	Flap3	135%	100%		100%	135%	0
12	Flap4	135%	100%		100%	135%	0

End Point(ATV)		New model-1				70%		
Multiprop CH (MP1)				Multiprop CH (MP2)				
CH	←↑↻	↻↓→	CH	←↑↻	↻↓→	CH	←↑↻	↻↓→
1	100%	100%	5	100%	100%	1	100%	100%
2	100%	100%	6	100%	100%	2	100%	100%
3	100%	100%	7	80%	80%	3	100%	100%
4	100%	100%	8	100%	100%	4	100%	100%

Set the rate for multiprop channels (7-1 to 7-8, 8-1 to 8-8).