

Thank you for purchasing the CIU-3.

The CIU-3 is a USB interface for communications between Link-supported devices (such as a S.BUS servo , Gyro and ESC) and Windows computer.

### Notes

- Please read this manual thoroughly before using your CIU-3.
- Store this manual in a safe place where it can be accessed at any time.

**\*A PC-LINK adapter (double extension cord K500) is supplied with the CIU-3.**

- Reproduction of all, or part, of the contents of this manual without prior written permission is prohibited.
- The contents of this manual are subject to change without prior notice.
- The contents of this manual should be complete. ; Please contact us if you find errors or points that are unclear.
- Futaba will not be responsible for the results of use of devices by the customer.

### Specifications

(Specifications and ratings are subject to change without prior notice accompanying technological developments.)

- Interface: USB Rev2.0 compliant
  - USB connector: USB Series A connector
  - Operating voltage: 5.0V  $\pm$ 0.2V (USB bus power)
  - Current drain  
(At connection, idle): 5.8  $\pm$ 1.7mA
  - Operating environment: Temperature -10  $\sim$  +45 $^{\circ}$ C
  - Dimensions: 18.2 x 56.5 x 9.0 mm
  - Weight: 7.5g
  - Applicable OS: Windows Vista/7/8/8.1/10
- \*The PC must have a USB port (Type A).

### Link programs must be installed.

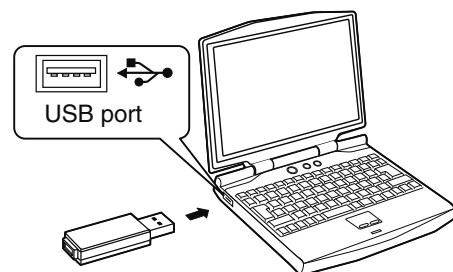
- For communication and setting, Link programs corresponding to each device must be installed.
- Install the latest version of Link programs available on the dealer's website because old Link programs are incompatible with CIU-3.

## Connecting and disconnecting the PC and CIU-3

### Connection

- \*Make sure that your PC is connected the internet.
- \*Please update Windows before connecting the CIU-3 to the PC.
- \*To use the CIU-3, driver software must be installed.
- \*When using the CIU-3, please disconnect the other USB Serial Port devices from the USB port on your PC.

1. Turn on the PC power.
2. Connect the CIU-3 to the USB port of the PC.
3. Once the CIU-3 is connected to the PC, download the recommended driver software automatically. Using Windows Vista, the "Found New Hardware Wizard" window appears on the screen.  
Click "Locate and install driver software".



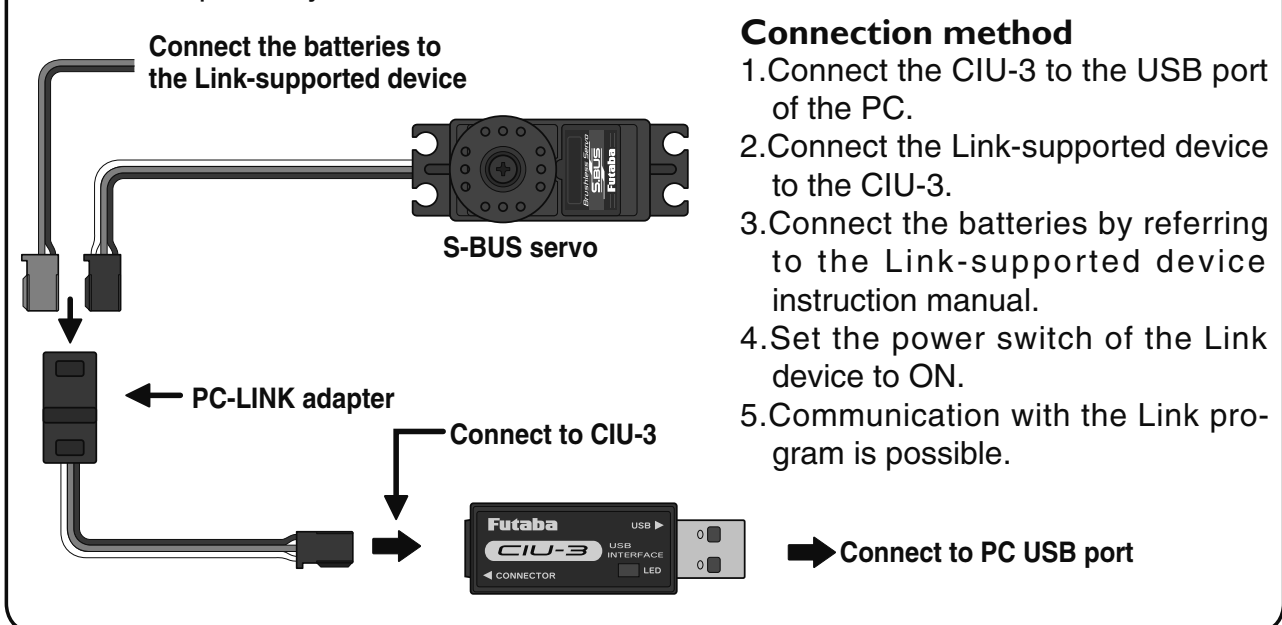
### Disconnection

The CIU-3 can be disconnected from PC even while the Power is on. However, the CIU-3 should not be disconnected while it is communicating with a Link-supported device.

# Example of connection to Link programs supported device

(The figure below is an example of connection to an S-BUS servo.)

When using the CIU-3, please disconnect the other USB Serial Port device from the USB port on your PC.



## Connection method

1. Connect the CIU-3 to the USB port of the PC.
2. Connect the Link-supported device to the CIU-3.
3. Connect the batteries by referring to the Link-supported device instruction manual.
4. Set the power switch of the Link device to ON.
5. Communication with the Link program is possible.

## Usage Precautions

### ⚠ WARNING

- ⊘ Do not disassemble the CIU-3. Do not open the CIU-3 case.  
Opening the case may damage the PC board. In this case, PC assembly replacement or repair will become impossible. There is also the danger of fire and electric shock.
- ⊘ Do not expose the CIU-3 to water or other liquids. Do not touch the CIU-3 when your hands are wet.  
Water droplets entering the CIU-3 may cause trouble. There is also the danger of fire and electric shock.

### ⚠ CAUTION

- ⊘ Do not drop or expose the CIU-3 to strong shock.  
It may cause trouble.
- ⊘ Do not set anything on top of the CIU-3.  
It may cause trouble.
- ⊘ Do not touch the connectors with your hands. Also, do not connect a dusty or dirty connector.  
It may cause trouble.
- ❗ Handle the PC and peripheral devices in accordance with the instruction manual and cautions and warnings given in the instruction manual of each product.

### Special Markings

For safety's sake, pay special attention whenever you see the marks shown here.

Symbol: ⊘ : Prohibited  
❗ : Mandatory

Mark	Meaning
⚠ WARNING	Procedures which may lead to a dangerous condition or cause death or serious injury to the user if not carried out properly, or procedures where the probability of superficial injury or physical damage is high.
⚠ CAUTION	Procedures where the possibility of serious injury to the user is small, but there is a danger of injury, or physical damage, if not carried out properly.

\*Windows is registered trademark of Microsoft Corporation.

<When requesting repair>

Reread manual before requesting a repair. If the problem continues, contact your local Futaba dealer. (HCA's Service Center.)