

Flybarless Control Gyro

CGY770R

Gyro Program Box

GPB-1

INSTRUCTION MANUAL

Software Update Functions

CGY770R Software Updating Procedure ***GPB-1 will not be updated**

GYRO UPDATE (Update mode of CGY770R)

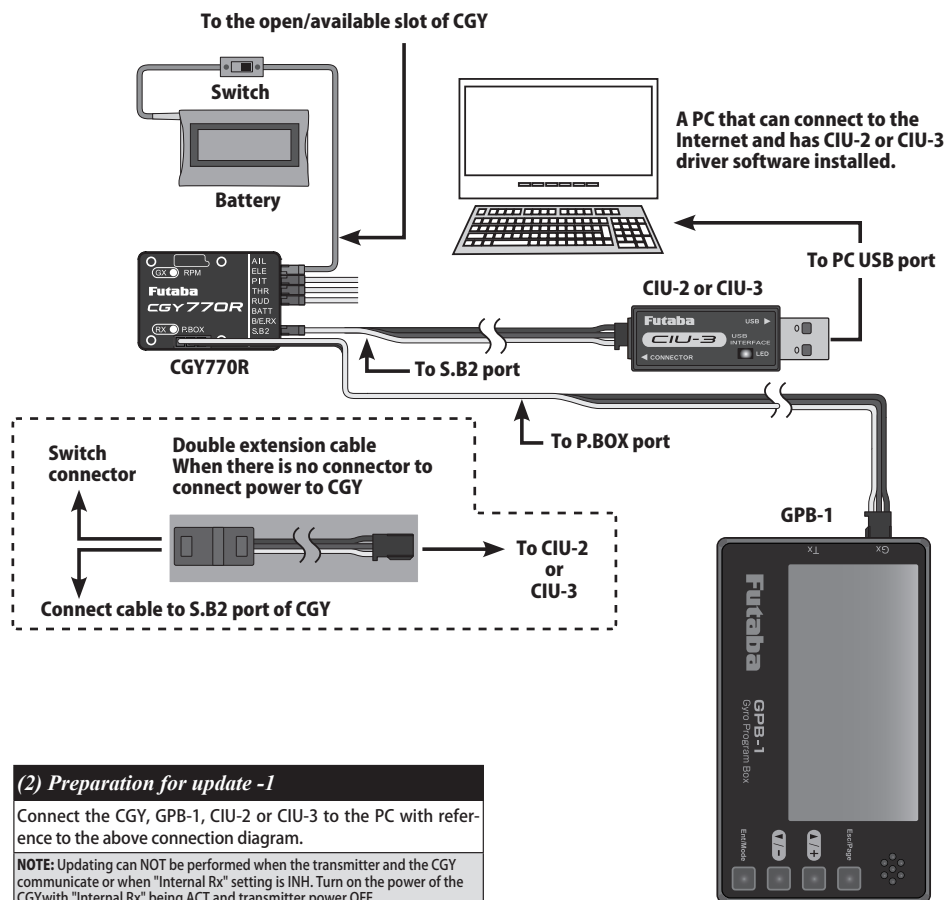
This menu is used to adjust the update mode of the CGY770R. The mode selected will be determined by the model of the CIU selected and personal preference. For example, when using the CIU-3, the user may select either the high speed or the slow speed modes. If using the CIU-2, only the slow speed mode is available.

* The following optional products are required for the update.

- GPB-1
- CIU-2 or CIU-3
- Cable for CGY760R/CGY755 / GY701 / GY520 or DSC cable for update
- Battery 3.5-8.4V

(1) Download CGY770R update file

Download the CGY770R update file from our website or your local distributor's website.



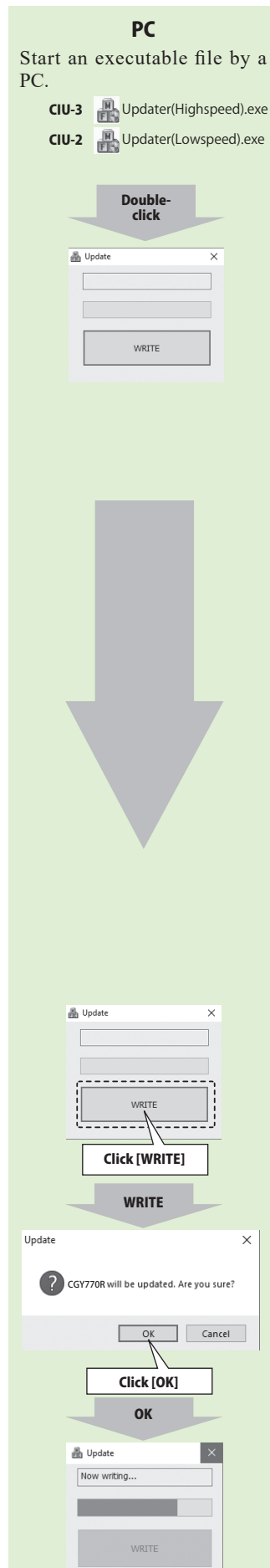
(2) Preparation for update -1

Connect the CGY, GPB-1, CIU-2 or CIU-3 to the PC with reference to the above connection diagram.

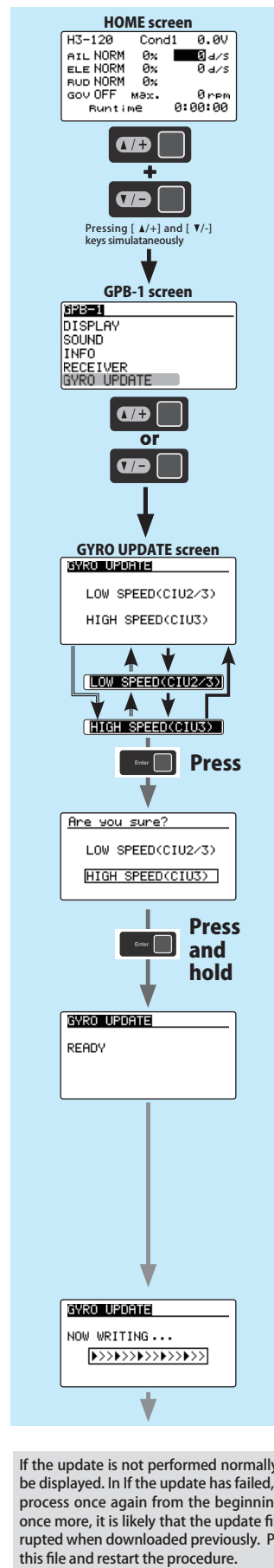
NOTE: Updating can NOT be performed when the transmitter and the CGY communicate or when "Internal Rx" setting is INH. Turn on the power of the CGY with "Internal Rx" being ACT and transmitter power OFF.

NOTE: Updating can NOT be performed when the transmitter and the CGY communicate or when "Internal Rx" setting is INH. Turn on the power of the CGY with "Internal Rx" being ACT and transmitter power OFF.

PC side



GPB-1 side



(3) Preparation for update -2

Refer to the "GYRO UPDATE" screen from the GPB-1 menu screen.

(4) Selection of CIU (Speed)

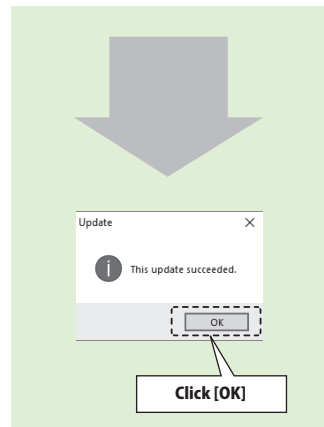
Use the [▲/+] or [▼/-] key to move the cursor to "LOW SPEED (CIU2/3)" or "HIGH SPEED CIU3" and press the [Enter] key. The "Are you sure?" indication will appear on-screen.

Press and hold the Enter key.

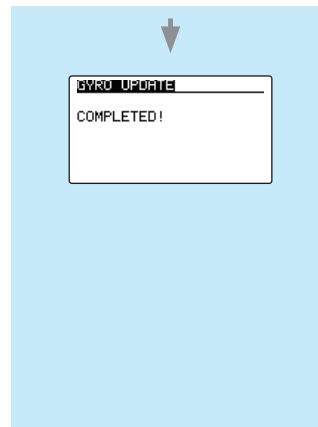
(5) Perform update

Click on the update file downloaded to the PC to update the CGY.

PC side

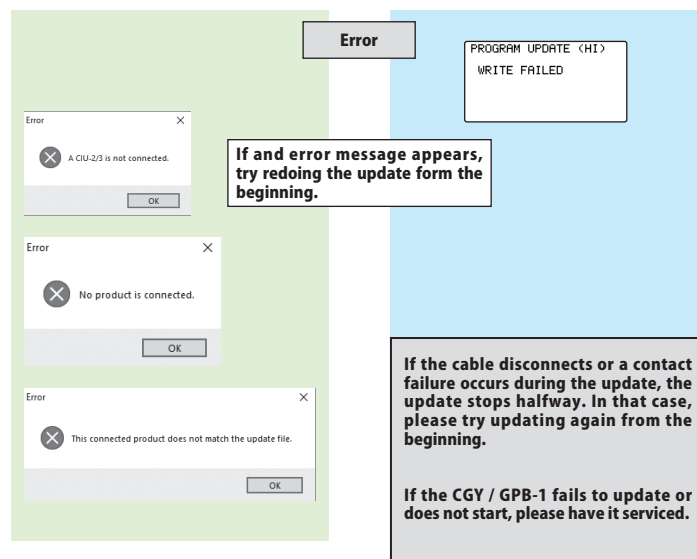


GPB-1 side



(6) Update complete

When the update has been successfully concluded, "Completed" appears on the screen of GPB-1.



GPB-1 Software Update Procedure

GPB-1 UPDATE

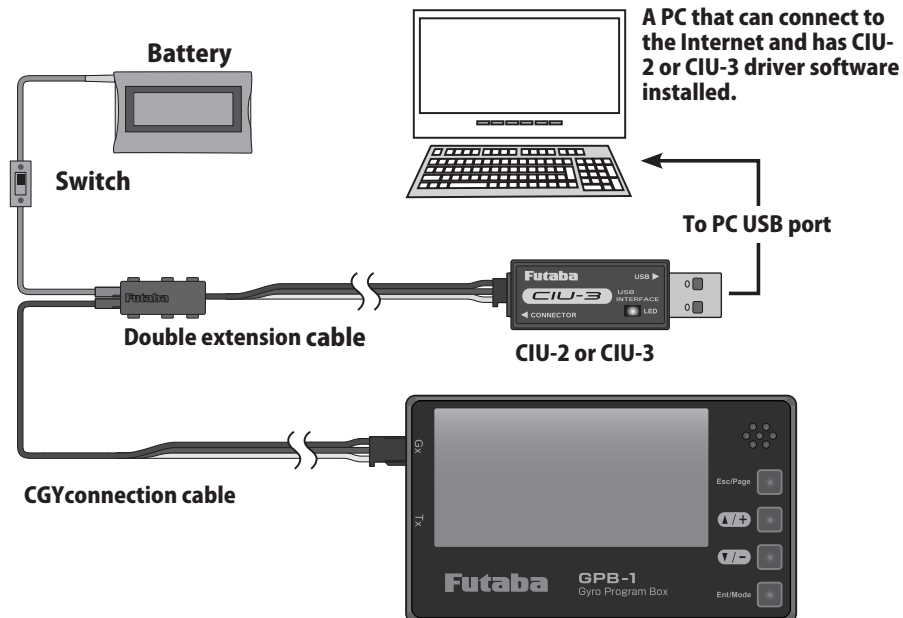
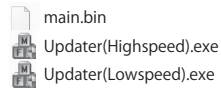
The GPB-1 can be updated from PC using CIU-2 or CIU-3.

* The following optional products are required for the update.

- CIU-2 or CIU-3
- Cable for CGY760R/CGY755 / GY701 / GY520 or DSC cable for update
- Battery 3.5-8.4V

1. Download the GPB-1 update file from our website or your local distributor's website.

2. Extract the zip file on your computer.
3. Connect as shown in the figure.



PC side

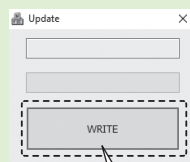
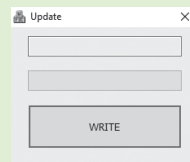
PC

4. Start an executable file by a PC.

CIU-3  Updater(Highspeed).exe

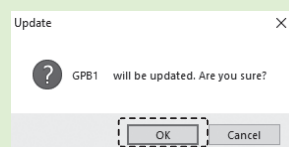
CIU-2  Updater(Lowspeed).exe

Double-click



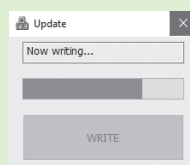
Click [WRITE]

WRITE



Click [OK]

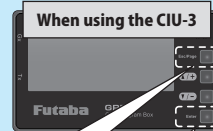
OK



GPB-1 side

GPB-1

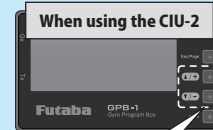
5. When using the CIU-3, hold down the [Enter] and [Esc/Page] keys of the GPB-1 and turn on the power. Release the [Enter] and the [Esc / Page] keys when the backlight of the screen lights up.



Press the [Enter] and [Esc/Page] keys next turn ON



When using the CIU-2, hold down the [▲/+] and [▼/-] keys of the GPB-1 and turn on the power. Release the [▲/+] and [▼/-] keys when the backlight of the screen lights up.



Press the [▲/+] and [▼/-] keys next turn ON



When using the CIU-3

PROGRAM UPDATE (HI)
READY

When using the CIU-2

PROGRAM UPDATE
READY

CAUTION

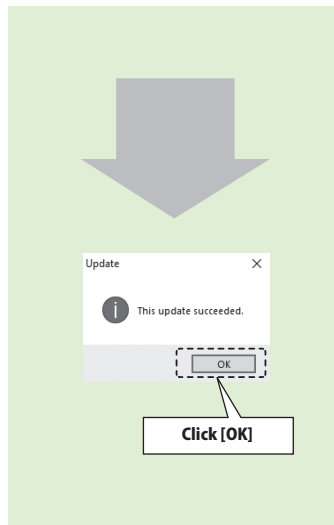
⚠ Do not turn off the power or remove the battery while updating. GPB-1 may be damaged.



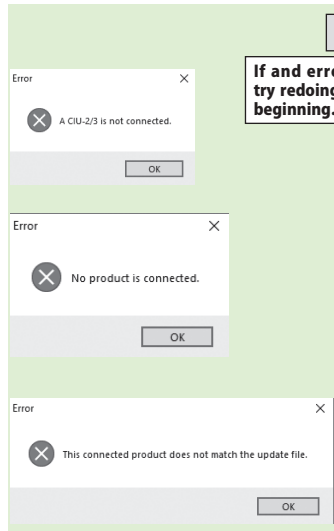
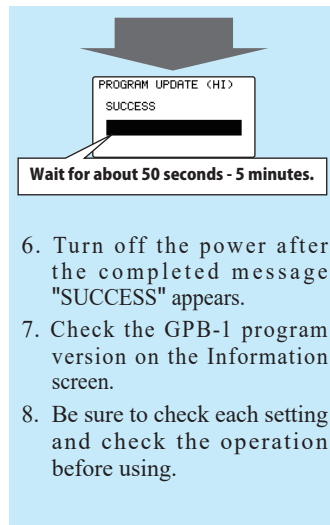
Wait for about 50 seconds - 5 minutes.

Don't turn on the power !

PC side



GPB-1 side



Error

If and error message appears, try redoing the update form the beginning.

PROGRAM UPDATE (HI)

WRITE FAILED

If the cable disconnects or a contact failure occurs during the update, the update stops halfway. In that case, please try updating again from the beginning.

If the GPB-1 fails to update or does not start, please have it serviced.

Update Functions Ver 1.5

This software update adds or changes the following functions. In addition to the manual originally supplied with your system, please now refer to the following new instructions:

Functions Ver 1.5	Necessity of updating	
	GPB-1	CGY770R
Resolved a fail-safe malfunction that occurred when the R70SR compact backup receiver was connected to the CGY770R.	-	○

No need to
update GPB-1

Update Functions Ver 1.4

Functions Ver 1.4	Necessity of updating	
	GPB-1	CGY770R
V1.4 now supports the R70SR slim-sized back-up receiver (scheduled for release in Spring 2026). * When using the R70SR, please connect it to the B/E.RX terminal. * Please refer to the R70SR instruction manual for the details of R70SR.	-	○

No need to
update GPB-1

Update Functions Ver 1.3

Functions Ver 1.3	Necessity of updating	
	GPB-1	CGY770R
When using the 920MHz system TM-18 and R9001SB to configure a Dual Rx Link system with the built-in CGY770R receiver, if the "CRSF" signal to the TM-18 is turned OFF on the transmitter side, a problem has been fixed where the servo operation may vibrate.	-	○

No need to
update GPB-1