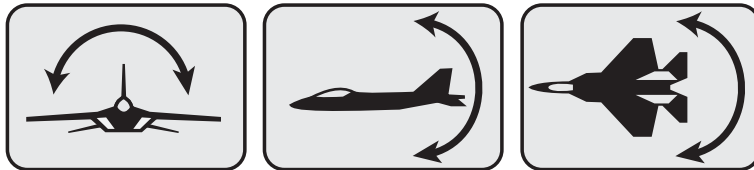Gyro Program Box

GPB-1

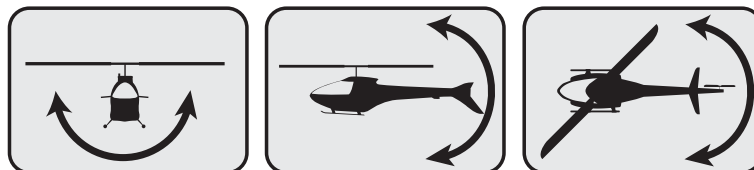*Ver.4.4*

Software Update Functions
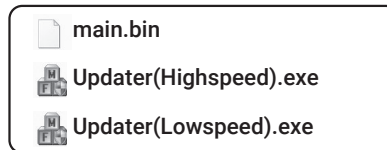
GYA553

CGY760R
CGY755
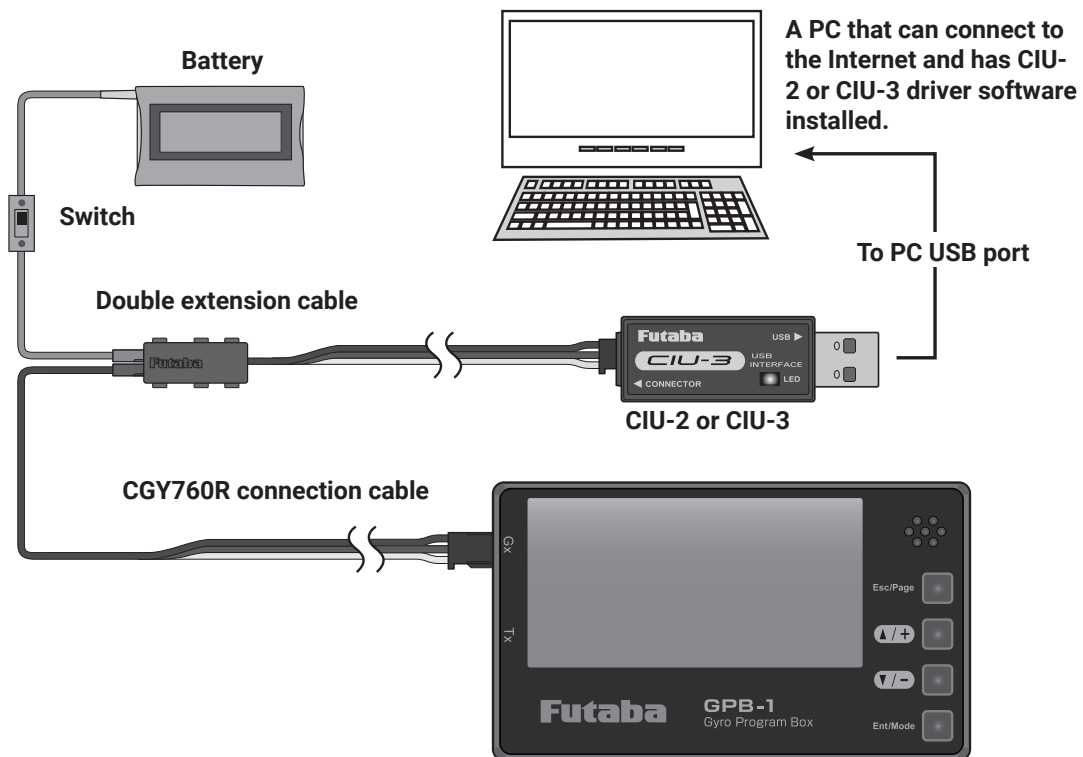
GPB-1 Software Update Procedure

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 / GY701 / GY520 or DSC cable for update
· Receiver battery

1. Download the CGY760R update file from our website or your local distribtor's website.

2. Extract the zip file on your computer.

> 📄 **main.bin**
>
> 📦 **Updater(Highspeed).exe**
>
> 📦 **Updater(Lowspeed).exe**

3. Connect as shown in the figure.

A PC that can connect to the Internet and has CIU-2 or CIU-3 driver software installed.

Battery

Switch

To PC USB port

Double extension cable

CIU-2 or CIU-3

CGY760R connection cable

GPB-1
Gyro Program Box

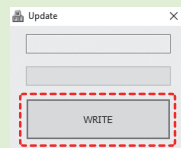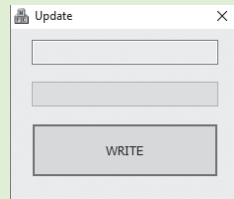## PC side

PC
4. Start an executable file by a PC.

CIU-3   Updater(Highspeed).exe

CIU-2   Updater(Lowspeed).exe

Double -click

Update ✕

WRITE

Click [WRITE]

WRITE

Update ✕

?   GPB1   will be updated. Are you sure?

OK   Cancel

Click [OK]

OK

Update ✕

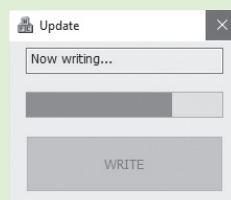Now writing...

WRITE
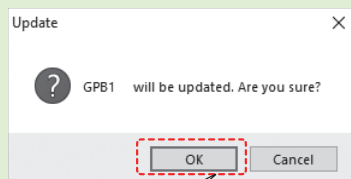
GPB-1 side

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.

When using the CIU-3

PROGRAM UPDATE 〈HI〉
READY
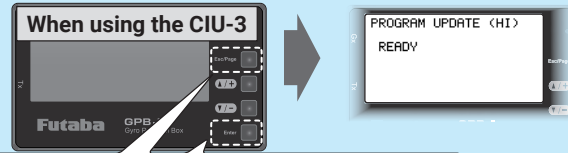
Press the [Enter] and [Esc/Page] keys next turn ON

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.

When using the CIU-2

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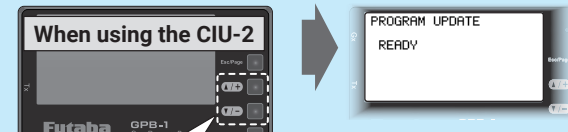
Press the [▲/+] and [▼/-] keys next turn ON

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.**

PROGRAM UPDATE 〈HI〉
NOW WRITING

Wait for about 50 seconds - 5 minutes.

Don't turn on the power !

PC side

Update ☒

ⓘ This update succeeded.

OK

Click [OK]

GPB-1 side


```
PROGRAM UPDATE <HI>
SUCCESS
```

Wait for about 50 seconds - 5 minutes.

6. Turn off the power after the completed message "SUCCESS" appears.
7. Check the GPB-1 program version on the Information screen.
8. Be sure to check each setting and check the operation before using.

Error ☒

⊗ A CIU-2/3 is not connected.

OK

Error ☒

⊗ No product is connected.

OK

Error ☒

⊗ This connected product does not match the update file.

OK

Error

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

```
PROGRAM UPDATE <HI>
WRITE FAILED
```
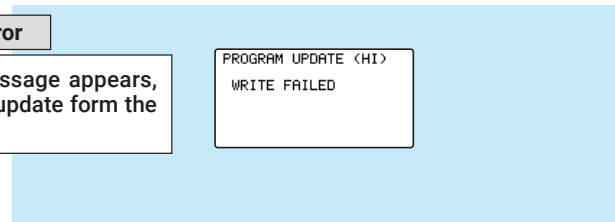
If the cable disconnects or a contact failure occurs during the update, the update stops halfway. In that case, please try updating again from the beginning.

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

Ver.4.4

1. Supported servo type change of HPS-H701.

2. Compatible with Ver2.0 of HPS-HC701 and HPS-HT700.
   Before the update, V1 will be displayed, and after the Ver2.0 update, V2 will be displayed.

```
SBUS SERVO        1/4          SBUS SERVO        1/4
RECALL WRITE  INIT.           RECALL WRITE  INIT.
CH  1 ID 084 – 10000          CH  1 ID 084 – 10000
 Servo Type                    Servo Type
HPS-HC701 V1   SELECT         HPS-HC701 V2   SELECT
DG:760      ▶  DG: 760        DG:760      ▶  DG: 760
```

```
SBUS SERVO        1/4          SBUS SERVO        1/4
RECALL WRITE  INIT.           RECALL WRITE  INIT.
CH  1 ID 071 – 10000          CH  1 ID 071 – 10000
 Servo Type                    Servo Type
HPS-HT700 V1   SELECT         HPS-HT700 V2   SELECT
DG:760      ▶  DG: 760        DG:760      ▶  DG: 760
```
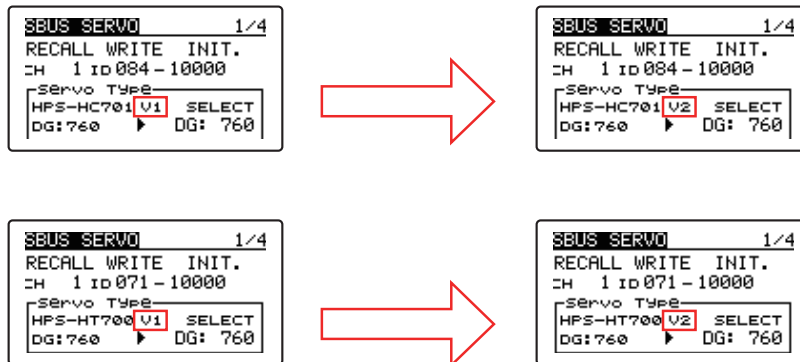
Ver.4.3

Supported servo type change of HPS-HC701 and HPS-HT700.

Ver.4.2

Added function of gyro GYA553 for airplane

1. Added Aileron 3/Aileron 4.

2. S.BUS(HS)---SV servo and S.BUS(STD)---S3175HV, DLPH-1, etc. can be selected with SB/RU2 output (S.BUS output).

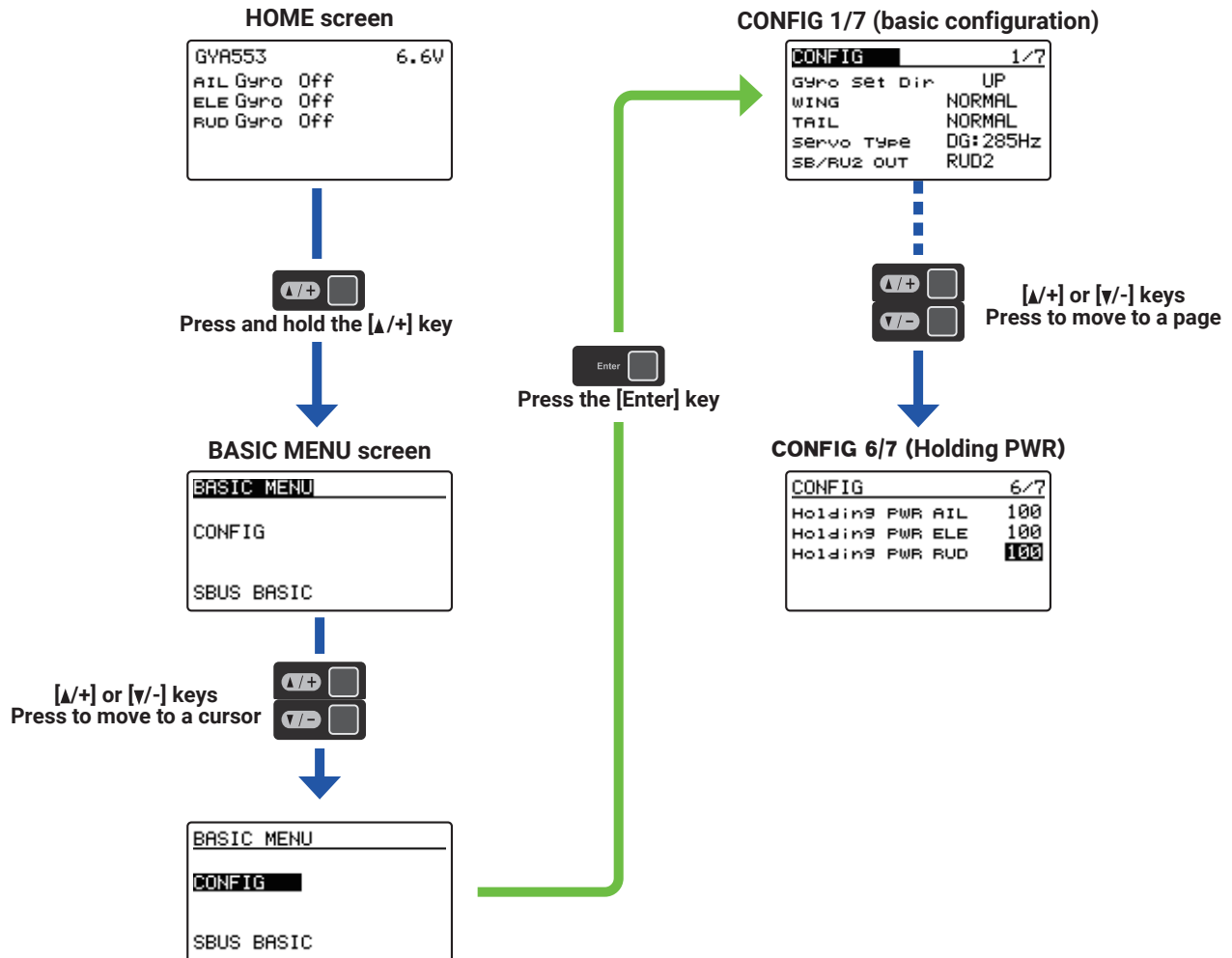# Futaba

Ver.4.1

GYA553 --- Added AIL / ELE / RUD "Holding PWR" setting to parameter setting

You can adjust the attitude holding force of the aircraft in AVCS mode.
Decreasing the value weakens the holding power and makes the operation feeling closer to the normal mode.

HOME screen

```
GYA553          6.6V
AIL Gyro  Off
ELE Gyro  Off
RUD Gyro  Off
```

Press and hold the [▲/+] key

BASIC MENU screen

```
BASIC MENU
CONFIG
SBUS BASIC
```

**[▲/+] or [▼/-] keys
Press to move to a cursor**

```
BASIC MENU
CONFIG
SBUS BASIC
```

CONFIG 1/7 (basic configuration)

```
CONFIG             1/7
Gyro Set Dir    UP
WING            NORMAL
TAIL            NORMAL
Servo Type      DG:285Hz
SB/RU2 OUT      RUD2
```

**[▲/+] or [▼/-] keys
Press to move to a page**

Press the [Enter] key

CONFIG 6/7 (Holding PWR)

```
CONFIG             6/7
Holding PWR AIL   100
Holding PWR ELE   100
Holding PWR RUD   100
```

CGY760R / 755 --- GOV Basic Menu 5/6 "Rev. Sensor" screen

Even if the "SBUS 2rpm out" setting is set to INH in the GOV basic menu 6/6 of the CGY760R / 755, the rotation speed sensor test is now possible on the "Rev. Sensor" screen.

```
GOV.BASIC         6/6
SBUS2 rpm out  INH
SBUS2 rpm Slot  2n
```

```
GOV.BASIC         5/6
Rev.Sensor    0%   0%M
```