Futaba

GYA 553
6-Axis Flight Control

P.BOX   S BUS·2

AIL AIL2 ELE ELE2 RUD SB/R2

MONITOR
GYA 553
Futaba
MODE   DATA
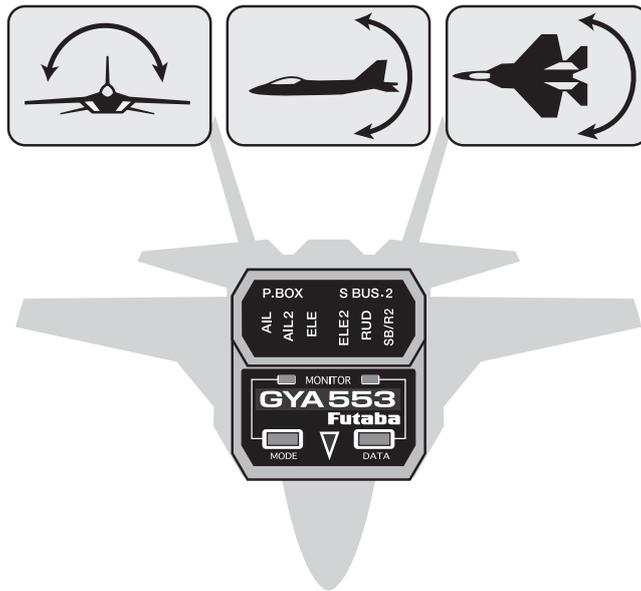
Software Update Functions

GYA553 Software Updating Procedure

GYRO UPDATE (Update mode of GYA553)

This menu is used to adjust the update mode of the GYA553. 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.

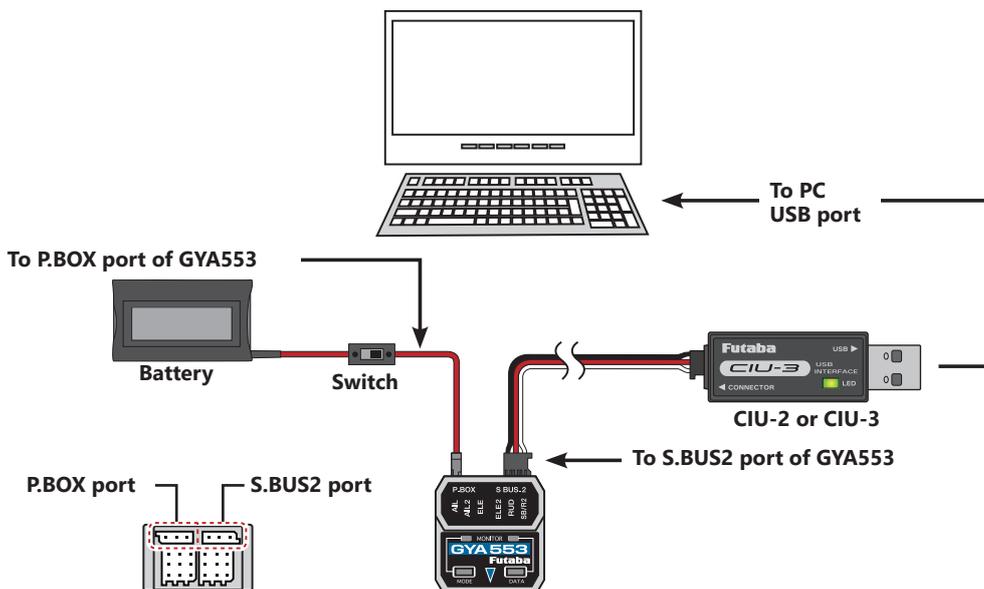· CIU-2 or CIU-3

· DSC cable for update

· Receiver battery

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(1) Download GYA553 update file

Download the GYA553 update file from our website or your local distribtor's website.

Connection diagram

To the open/available slot of GYA553
A PC that can connect to the Internet and has CIU-2 or CIU-3 driver software installed.

To PC
USB port

To P.BOX port of GYA553

Battery

Switch

CIU-2 or CIU-3

To S.BUS2 port of GYA553

P.BOX port   S.BUS2 port

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(2) Preparation for update -1

Connect the GYA553, GPB-1, CIU-2 or CIU-3 to the PC with reference to the above connection diagram.

PC side
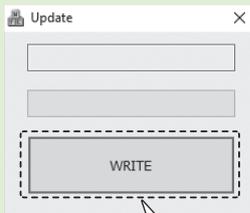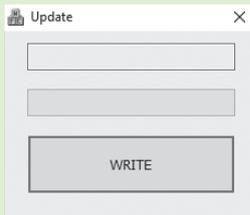
GYA553 side

PC

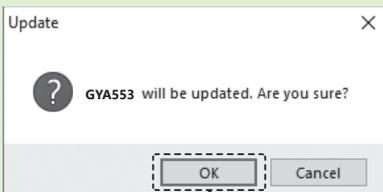Start an executable file by a PC.

Use CIU-2 Updater(Lowspeed).exe

Use CIU-3 Updater(Highspeed).exe

Double-click

Update
WRITE

Update
WRITE

Click [WRITE]

WRITE

Update
? GYA553 will be updated. Are you sure?
OK   Cancel

Click [OK]

OK

Turn on the power of GYA553 while pressing MODE SW

Mata LED lights Red

Press and hold MODE SW for about 4 seconds.

Mode LED lights are Red and Blue Data LED lights Red

When using CIU-2, release MODE SW. To use CIU-3, press and hold MODE SW.

Mode LED lights are Red and Blue Data LED lights Green

Release the MODE SW.

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(3) Selection of CIU (Speed)

Before turning on the power of **GYA553**, select the writing speed suitable for **CIU-2** or **CIU-3** to be used for updating.

[Selection method]

CIU-2

Turn on the power while pressing the **MODE** SW of **GYA553**. The **Mode LED** lights **Red** at first, then about 4 seconds later, **Red** and **Blue** light at the same time, and when the **Data LED** turns **Red**, release the **MODE SW**.

CIU-3

Turn on the power while pressing the **MODE SW** of **GYA553**. The **Mode LED** lights **Red** at first, then **Red** and **Blue** light up at the same time after about 4 seconds; press and hold **MODE** SW for another 4 seconds when the **Data LED** turns **Red**, and release **MODE** SW when the **Data LED** turns **Green**.

[LED display after setting]

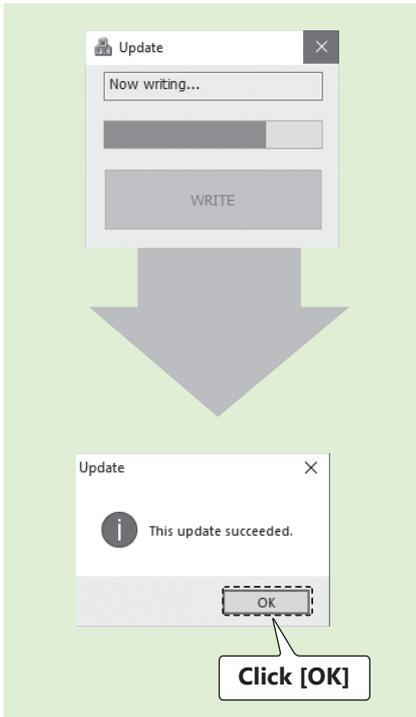| CIU	Mode LED	Data LED
CIU-2 Low speed	Red and Blue light	Lights Red
CIU-3 High speed		Lights Green

(4) Perform update

Click on the update file downloaded to the PC to update the GYA553.

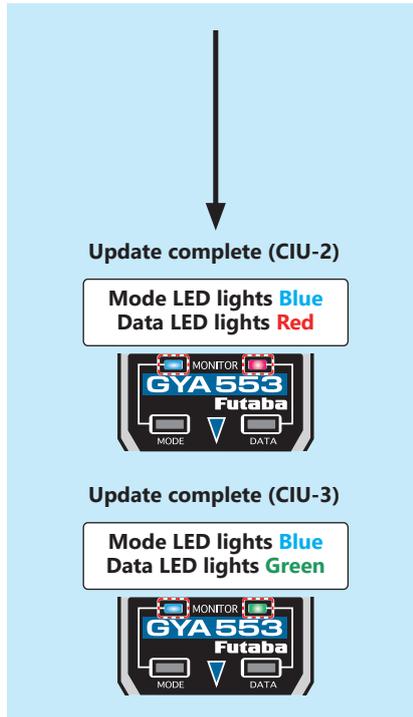⚠**CAUTION**

⊘**Do not turn off the power or remove the battery while updating. GYA553 may be damaged.**
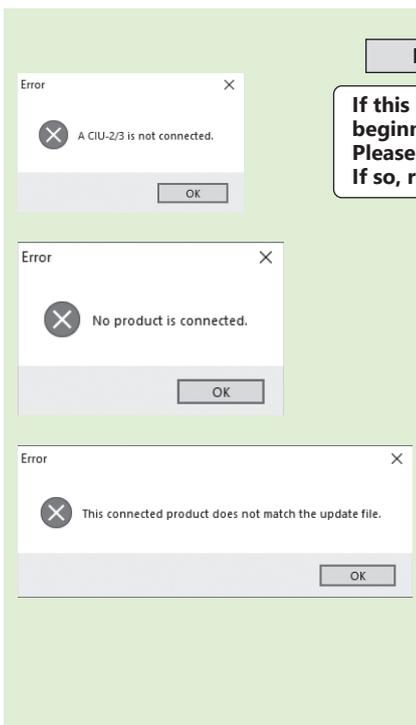
PC side

GYA553 side

Update ×

Now writing...

WRITE

Update ×

ⓘ This update succeeded.

OK

Click [OK]

Update complete (CIU-2)

Mode LED lights Blue
Data LED lights Red

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MODE   DATA

Update complete (CIU-3)

Mode LED lights Blue
Data LED lights Green

MONITOR
GYA 553
Futaba
MODE   DATA

(5) Update complete

When the update is completed successfully, Mode LED will turn blue.

[LED display when update is completed]

CIU	Mode LED	Data LED
CIU-2 Low speed	**Lights Blue**	**Lights Red**
CIU-3 High speed		**Lights Green**

Error

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

If this happens, it will be up from the beginning.
Please try the date again. A place to fail again
If so, re-download the update file please.

Update failed (CIU-2)

Mode LED lights Red
Data LED lights Red

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MODE   DATA

Update failed (CIU-3)

Mode LED lights Red
Data LED lights Green

MONITOR
GYA 553
Futaba
MODE   DATA
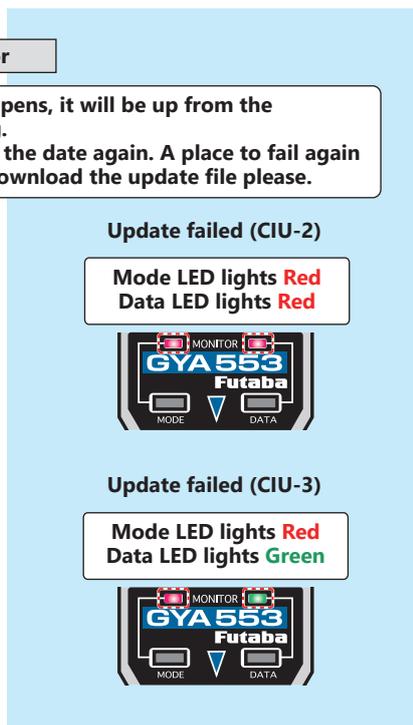
[LED display when update fails]

CIU	Mode LED	Data LED
CIU-2 Low speed	**Lights Red**	**Lights Red**
CIU-3 High speed		**Lights Green**

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.

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Functions Ver 2.x

(1) The Air-Brake function can be used in NORMAL mode.

(2) CH3 (THR) can be output to the RUD2 / S.BUS2 port.

(3) The "Holding power" of AVCS mode has been expanded to 5 types, and it is possible to switch with CH data.

* The following models are required for the settings of (2) and (3). For the setting method, for the setting method, refer to the T32MZ GYA553 setting manual, T16IZ GYA553 setting manual and GPB-1 GYA553 setting manual on the software download page.

- T32MZ ► Ver 3.6 or later
- T16IZ ► Ver 3.3 or later
- GPB-1 ► Ver 4.1 or later