FUTABA CANServo Updater Manual

Rev 1.00
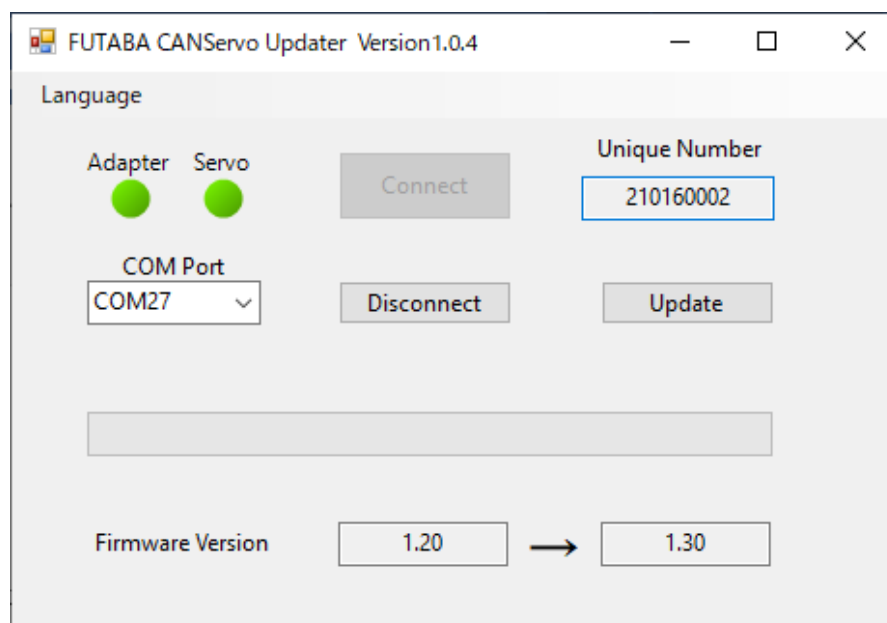
Contents

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2. Advance preparation

  If you are using our USB-CAN converter for the first time, please follow the steps below to install the driver for the USB/UART bridge IC.

①   Access FTDI's driver download page "https://ftdichip.com/drivers/vcp-drivers/".

②   Click "setup executable" in Windows→Comments in the table to download.

③   Extract the downloaded zip file and launch the exe file.

④   Select "Yes" on the "Do you want to allow this app to make changes to your device?" screen.

⑤   On the FTDI CDM Drivers screen, select Extract.

⑥   Follow the instructions in the dialog to proceed with the installation.

⑦   After installation is complete, connect the USB-CAN converter to your PC.

⑧   Check Device Manager and verify it appears on ports (COM and LPT).
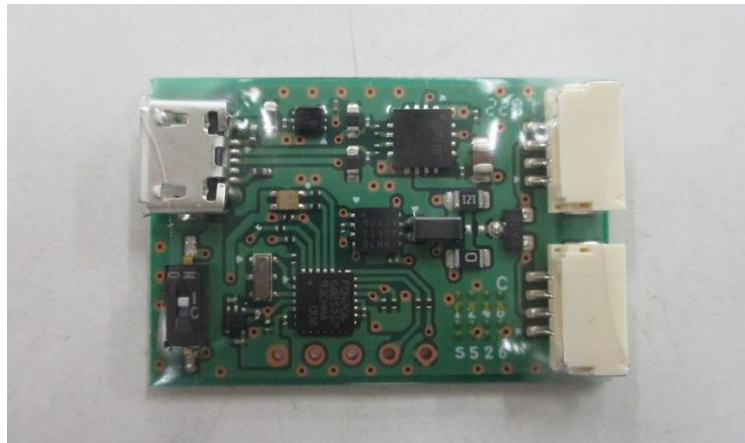
USB-CAN Converter

3.   How to connect

Please connect the power supply, your PC, the USB-CAN converter, and servo motor as shown in the figure below. Connect only one servo motor. When using, make sure that the switch attached to the hub is turned ON. Also, set the power supply voltage appropriate for the servo motor to be connected.
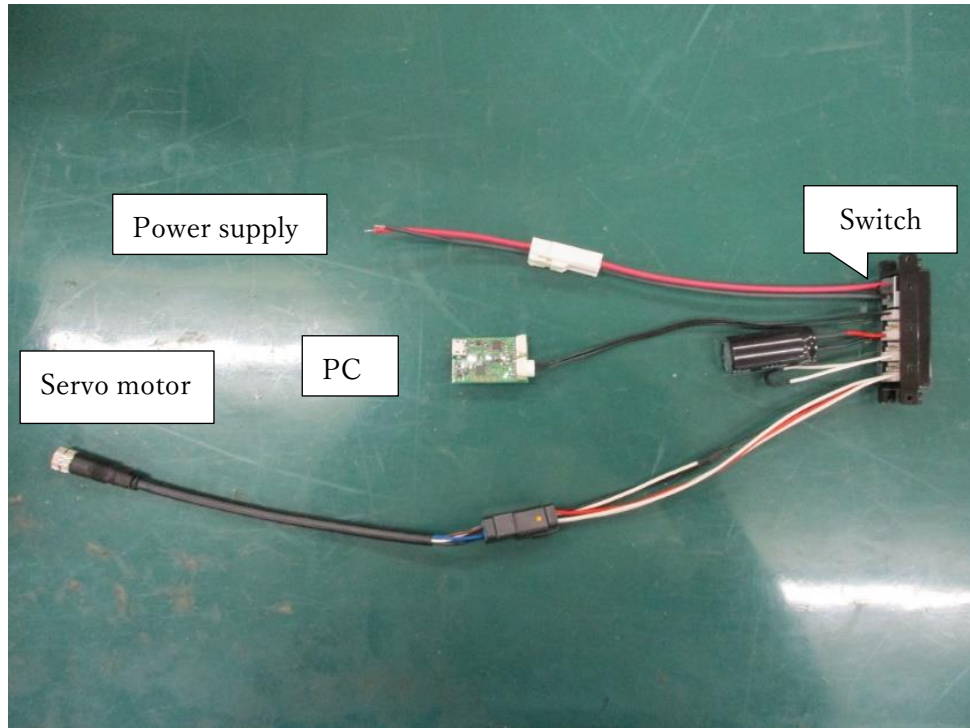
4. Firmware Update Procedure

Use the app "FUTABA_CANServo_Updater" to update according to the following procedure.
* The app version described in this document is V1.0.4

① Connect your PC, the USB-CAN converter, the power supply and the servo motor.
② Launch "FUTABA_CANServo_Updater"
  * You can switch between English and Japanese from "Language" in the upper left corner.
③ Select a COM port that supports USB-to-CAN converter and click "Connect"
  If the connection is successful, the Adapter light will be solid green.
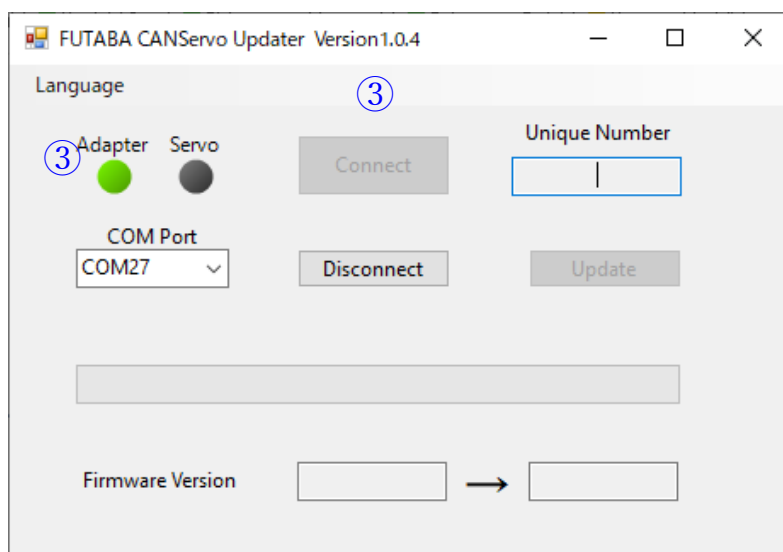
④ Turn on the power input and start the servo motor.
  * When communication is performed normally, the Servo lamp lights up green or yellow.
⑤ "Unique Number" and "Firmware Version" are displayed, and wait for "Update" to take effect
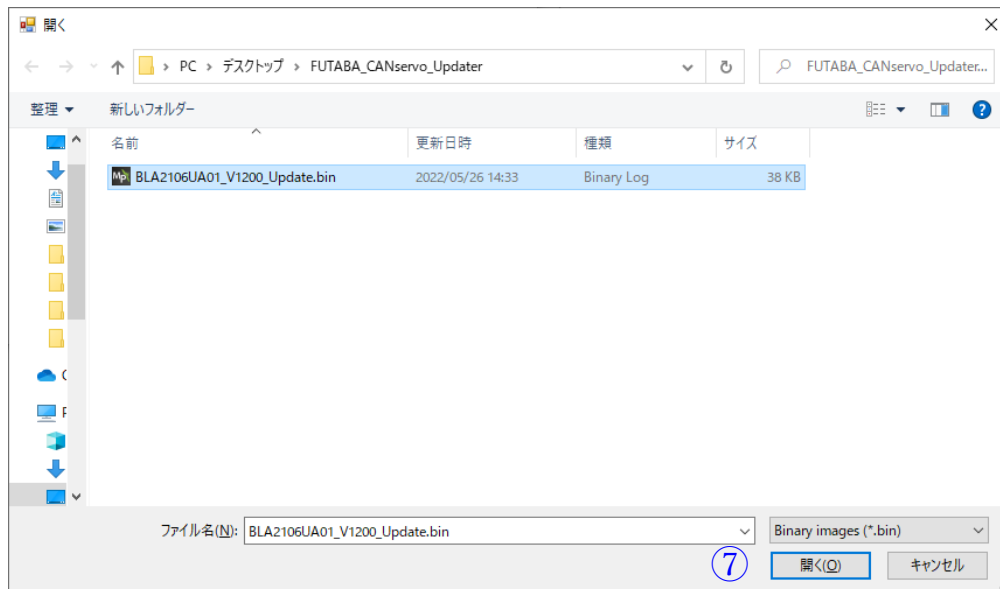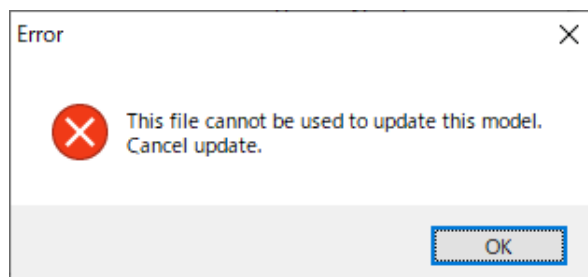⑥ Click "Update", check the contents of the "Warning" displayed, and then click "OK".
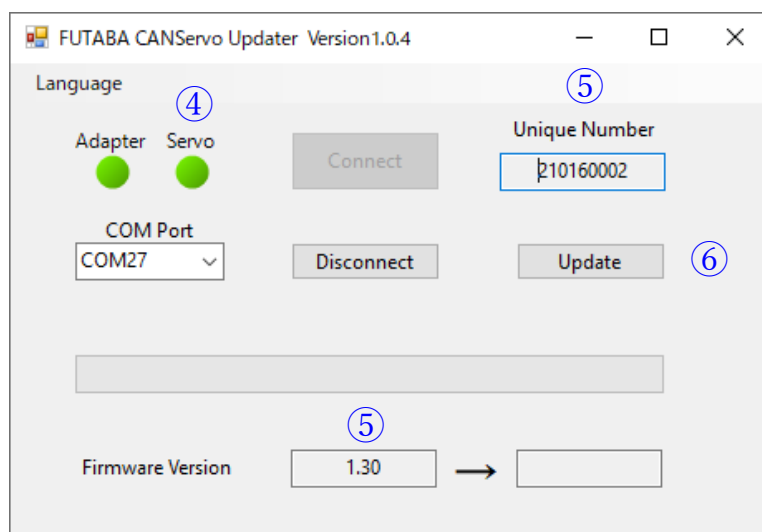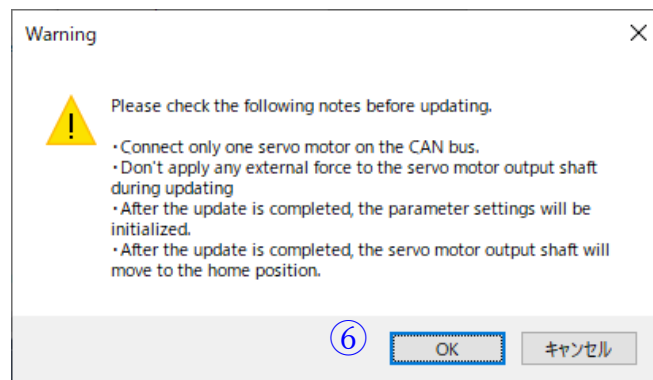
⑦ When the bin file selection screen is displayed, select the bin file with the model name and version name of the servo motor to be updated, and click "Open".

* The bin file name will be "Model Name_Firmware Version_Update.bin".
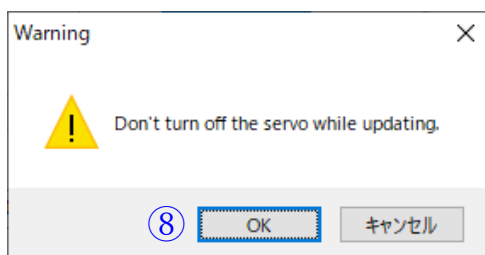
* Do not rename the bin file.


* If a bin file with a different model name from that of the connected servo motor is selected, "Error" will be displayed and the update will be canceled.

⑧   After checking the contents of the displayed "Warning", click "OK" to start the update.

Warning   ×

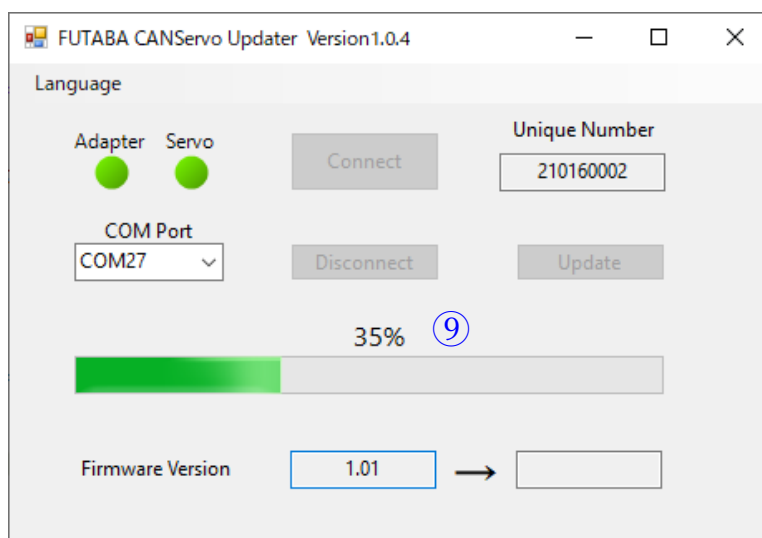⚠   Don't turn off the servo while updating.

⑧   [OK]   [キャンセル]

* If the update cannot be started, the following "Error" will be displayed. Turn the servo motor power
  back on and perform the update again starting from ④.

Error   ×

❌   The update could not be started.
     Turn the servo motor back on and then update again.

[OK]
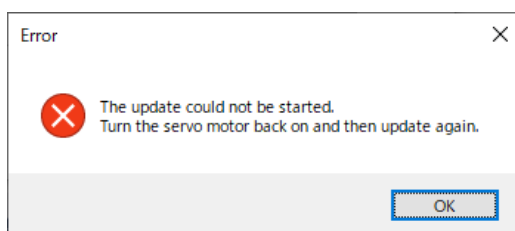
⑨   The progress is displayed with green bars and %.
    * Do not turn off the power input during the update.
   * If an error occurs during the update, proceed to ⑩. If it completes normally, proceed to ⑫.

FUTABA CANServo Updater Version1.0.4   —   □   ×

Language

Adapter   Servo   Unique Number
  🟢   🟢   [Connect]   210160002

    COM Port
[COM27   ∨]   [Disconnect]   [Update]

                        35%   ⑨

Firmware Version   [1.01] ⟶ [   ]

⑨ If an error occurs during the update, the following "Error" is displayed and the update is stopped.
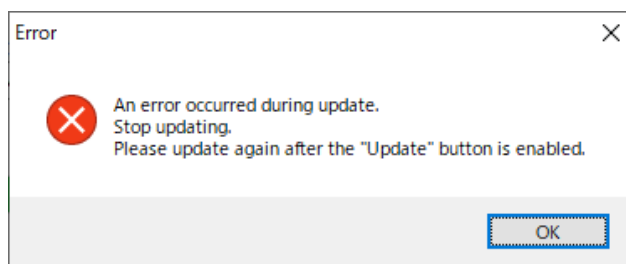
⑩ After a few seconds have passed after clicking "OK" on the "Error" screen, "Update" will be enabled again, and update again from ④.

* Update is possible even if "Unique Number" and "Firmware Version" are not displayed.
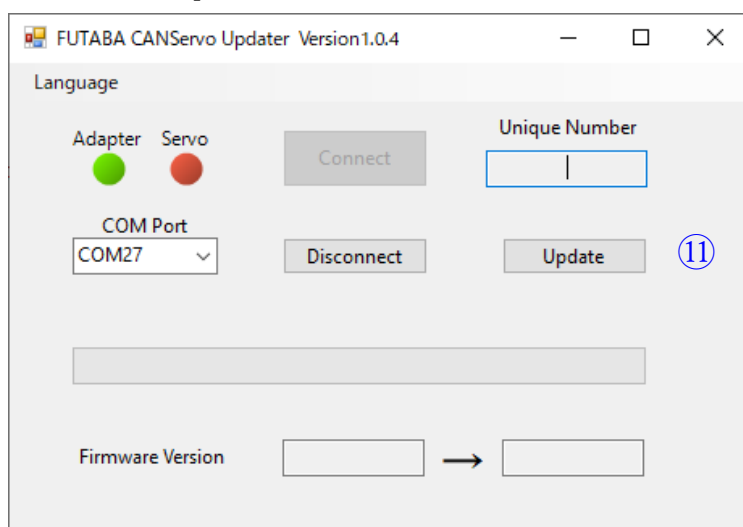
⑫ When the update is complete, "Update is completed" is displayed, so click "OK".
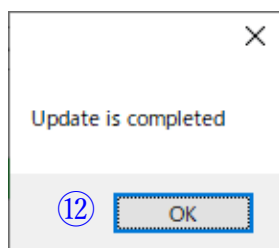
⑬ After confirming that the updated version is displayed in "Firmware Version", turn off the power input and remove the servo motor.

* The Servo lamp may display red after updating, but there is no problem if the display becomes green or yellow when you turn off the power input and then turn it on again.
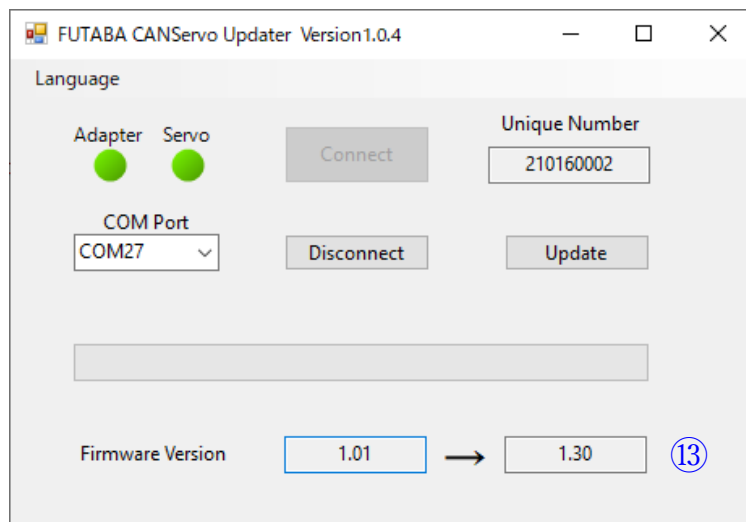
⑭ If you want to continue updating another servo motor, execute ④ ~ ⑬ again after connecting the servo motor.

5.　Revision history

Rev.	Revision items	Date of issue
1.00	Create a new entry	December, 28th, 2023