

Firmware update for weatronic components

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1. Information for the update

The weatronic company offers you a system with a system with a guaranteed future with its products. In this vein you can keep your Dual Reciever always state of the art by updating it.

2. Firmware update for TX module

2.1 Before the update

1. We recommend saving your settings before update.
The update may reset your settings back to default settings.
2. Create a backup in **GigaControl - File – Save model file**.
By creating a backup you save the model/reciever file just as the settings of the transmitter module.



3. You can download the latest firmware from our homepage: www.weatronic.com.
Copy the new firmware in the prepared directory:
C:\program files\weatronic\GigaControl\Firmware
4. Copy the firmware file **Vxxx_TypD.fw** on a FAT32 formatted micro SD card. „xxx“ stands for the firmware version.
Example: The firmware version V2.30 for the weatronic transmitter modul has following file name -> **V230_TypD.fw**
5. For voice output you also have to copy the correct voice file onto your micro SD card. The German voice file for example for firmware version V2.30 has the following file name:
VoiceD_V230_DE.voc (English version: **VoiceD_V230_EN.voc**)
6. There may only be one firmware file and one voice file on your Micro SD card!
7. Backup your model file to make sure that undesirable functions can cause no damage to your model! (landing gear, electric motor, Servo groups).

2.2 Update for transmitter module

1. Turn the transmitter module off and cut any USB connections!
2. Insert the micro SD card with the firmware and the voice file on it into the transmitter module. Please make sure that the Micro SD card is inserted upside down (lettering to the bottom) and locked.
3. Push and hold button 1 and 2.
Then turn on transmitter or connect USB cable.
The transmitter module won't show any reaction within the first 5 seconds.
After that all LEDs will flash / glow as usual.

4. You can leave the firmware file on your Micro SD card.
5. The voice file will be loaded automatically. If no voice file will be found the system will work as usual, but without voice output.

2.3 After update → Binding / Quickbinding

1. After Updating you usually have to make quickbinding.
After considerable updates it can also be necessary to make a Binding.

You can read how to make **Binding / Quickbinding** on the manual „2.4 Binding-Quickbinding“.

2.4 Check

1. Check the configuration of your transmitter module!
Especially check country settings and warning levels.

2.5 Problems and possible mistakes

1. You didn't hold both buttons pressed while turning on the transmitter module
2. You have chosen the wrong firmware file (Vxxx_TypD.fw).
3. Micro SD card not comprehensible.
Don't just pull out your Micro SD card from your card reader!
At some operating systems you need to request disconnecting before taking out your Micro SD card from your card reader.
→ **Reformat your Micro SD card with the format FAT32.**
Copy the firmware and the voicefile again on your Micro SD card.

3. Firmware update for DR Micro series and DR Smart series

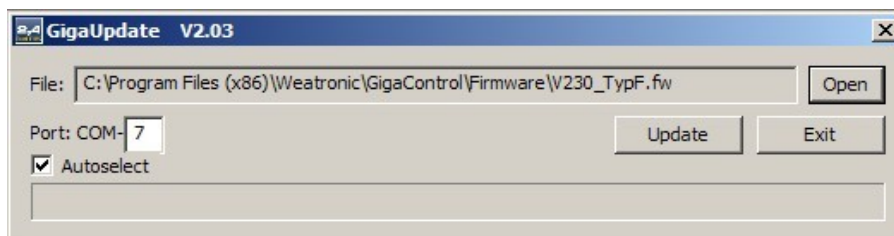
3.1 Before the Update

1. Save the configuration of your DR Micro receiver on your PC/Notebook.
(Backup only necessary if you already changed anything in the settings of your receiver.)
The receiver has to be bound with the transmitter module.
The transmitter module has to be connected to your computer via USB.

There must be a double arrow on the right bottom of the GigaControl window.
Now create a backup in **GigaControl - File – Save model file.**



2. Now turn off the receiver.
3. You can download the latest firmware from our homepage: www.weatronic.com.
Copy the new firmware in the prepared directory:
C:\program files\weatronic\GigaControl\Firmware
4. For the Update you need a fully charged 4-cell NimH battery, we recommend a 5-cell NimH battery.
5. Many BEC-Systems have an output voltage of 5,0 Volt or less. With this voltage the update will definitely fail!
6. Connect the USB adaptor to a free USB port of your PC/Notebook.
7. Now start the Program **GigaUpdate**.
You find it in **Windows - Start – Program files – Weatronic – GigaControl** or on your windows desktop in the folder **GigaControl**.



8. Mark **Autoselect**.
9. Click **Open**. Now select the Firmware file you want to use. You find it in the directory **C:\Program files\Weatronic\GigaControl\Firmware**
10. The first part of the firmware file is the version number the second part stand for the model designation. **Vxxx_TypF.fw** - **xxx** stands for the firmware version.

Example: Firmware version V2.30

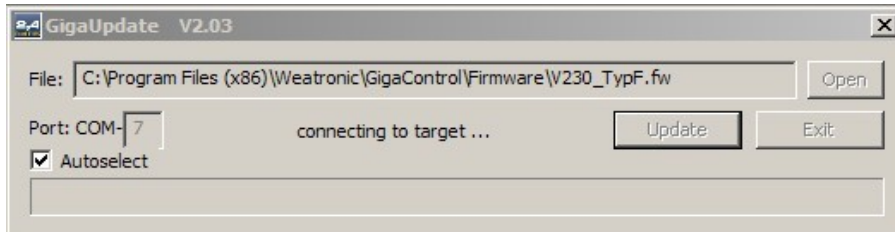
V230_TypF.fw is the DualReceiver Micro series version

V230_TypG.fw is the DualReceiver Smart series version

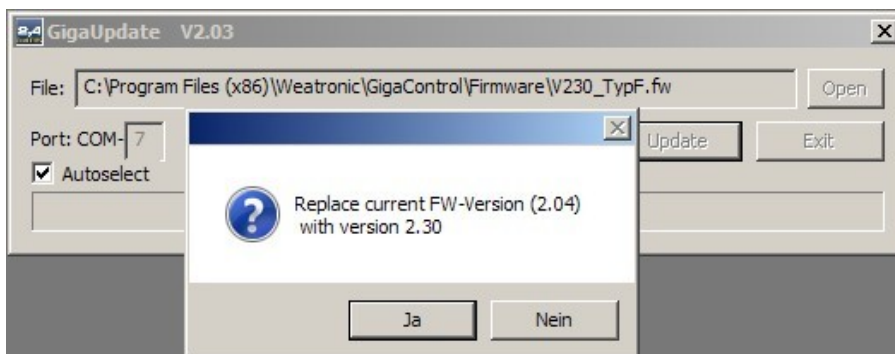
V230_TypH.fw is the Receiver Clever series version

3.3 Update for DR Micro series / DR Smart series

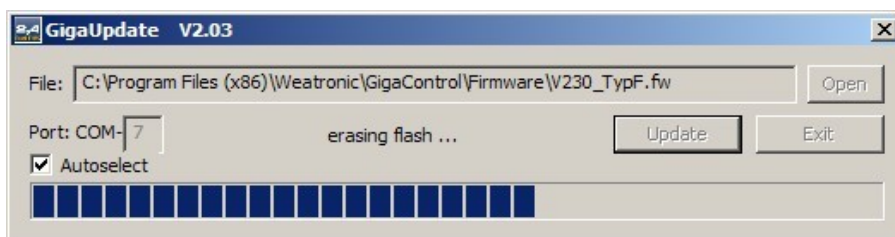
1. Turn off your DualReceiver!
2. Connect the 3-pin plug of the USB adaptors with the „SCU / USB“ connection at your receiver. The brown/black cable has to be on the bottom.
3. Now click **Update** in the GigaUpdate window. The program will now try to get connection to the receiver. **connecting to target ...** will be displayed



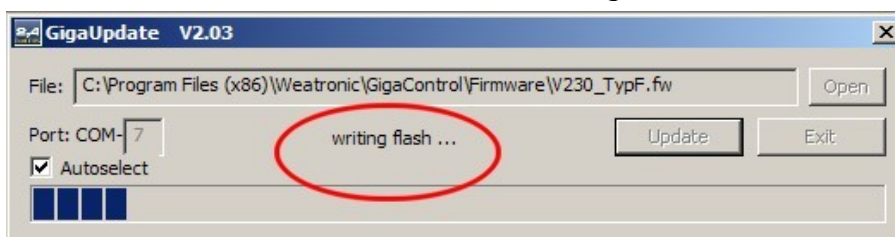
4. Turn on your DualReceiver/connect it to your battery.
5. A new window shows you the current Firmware version and the one you want to install.



6. Confirm with **Ja/Yes** – The update starts. First the firmware will be deleted. (**erasing flash ...**)

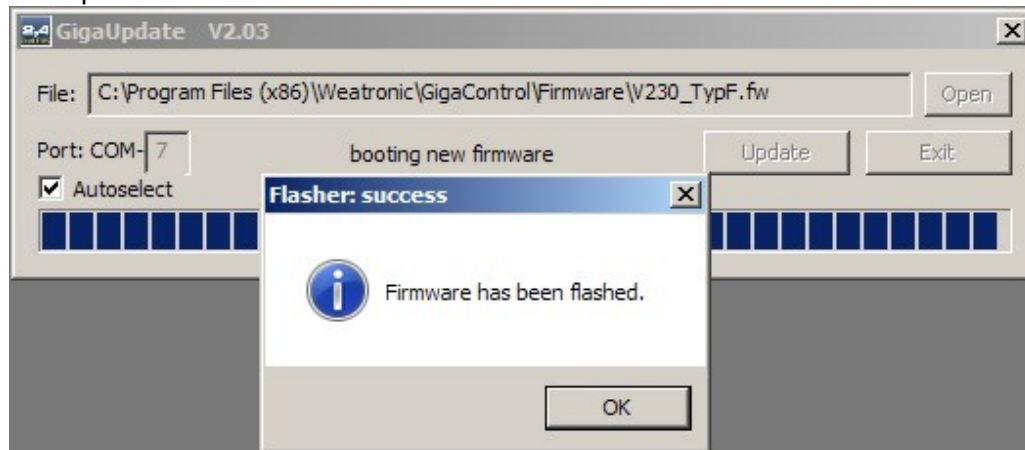


Then the new firmware will be installed. (**writing flash ...**)



The red Status-LED glows as long as the update is proceeding.

The success of the update will be shown in GigaUpdate, there will also flash both LEDs when the update finishes successful.



7. Now turn off the receiver and disconnect the USB adaptor from the receiver from the „SCU / USB“ connection.

The update is finished.

8. Terminate GigaUpdate by clicking exit.

3.4 After Update → Binding

1. By updating firmware the DualReceiver has been set to default settings. You have to **Bind** it to your transmitter module again.

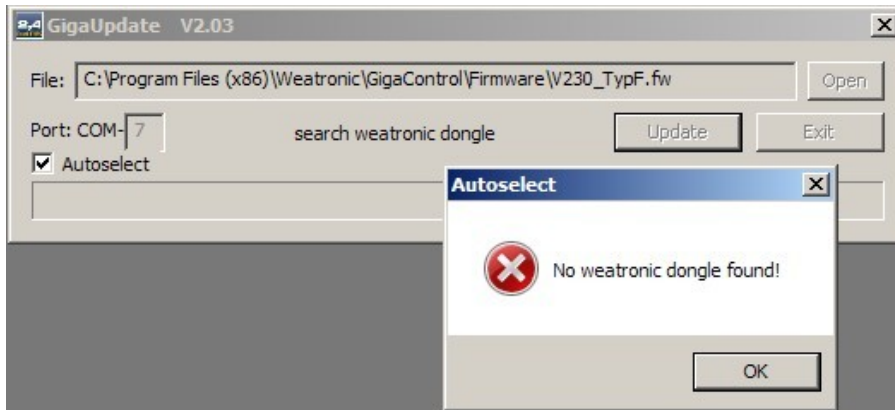
You can read how to make **Binding / Quickbinding** on the manual „2.4 Binding-Quickbinding“.

3.5 Check

1. Check the configuration of your DualReceiver especially servo settings if made.
2. In the software **GigaControl – Receiver configuration** you can check the firmware version.
3. If both LEDs flash in fast rhythm the update failed. In this case the receiver has no valid firmware. Please retry update.
4. If both LEDs glow weak the update failed. In this case the receiver has no valid firmware. Please retry update.
5. Depending on the complexity of the update it may be necessary to reload the backup of the configuration, saved before the update.
GigaControl - File – Load model file

3.6 Problems and possible mistakes

1. supply voltage too low, please use at least 5.3V.
2. USB Adaptor cable connected upside down to the DualReceiver.
3. If the update displays an error while updating DO NOT click „wiederholen/retry“. Terminate and restart.
4. USB Adaptor not correctly installed.

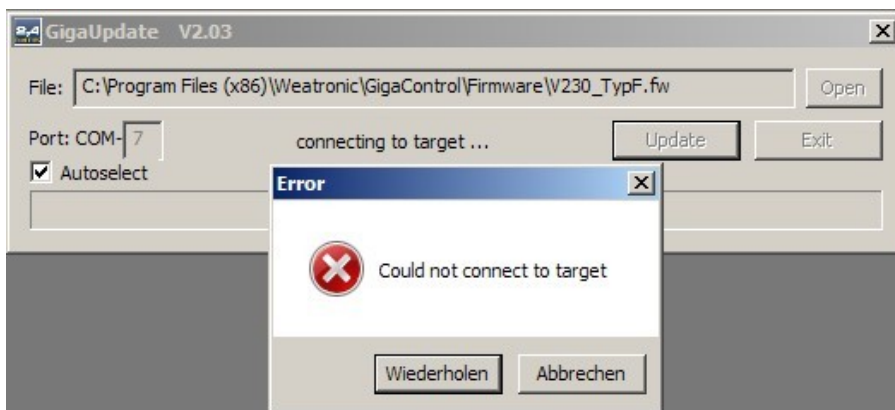


Please check in **Gerätemanager** at **Connections (COM & LPT)** if the installation proceeded correctly. If not, reinstall USB driver. For more information check the manual: **USB driver Installation**

If drivers are installed correctly use an other USB port.

If you use a notebook please connect it to the mains adaptor. In the battery mode the function of the usb connection can be limited.

5. You may have waited too long after clicking **Update** to connect your DualReceiver. Please restart update.



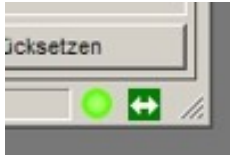
6. You have chosen the wrong firmware file. (Vxxx_TypF.fw).

4. Firmware update for the DR 12-22 R series

4.1 Before the update

1. Save the configuration of your DR Micro receiver on your PC/Notebook.
(Backup only necessary if you already changed anything in the settings of your receiver.)
The receiver has to be bound with the transmitter module.
The transmitter module has to be connected to your computer via USB.

There must be a double arrow on the right bottom of the GigaControl window.



2. Now create a backup in GigaControl - File – Save model file.



3. You can download the latest firmware from our homepage: www.weatronic.com.
Copy the new firmware in the prepared directory:
C:\program files\weatronic\GigaControl\Firmware
4. Copy the firmware file Vxxx_TypC.fw on a FAT32 formatted micro SD card. „xxx“ stands for the firmware version.
Example: The firmware version V2.30 for the weatronic transmitter module has following file name -> **V230_TypC.fw**
5. There may only be one firmware file and one voice file on your Micro SD card!
6. Backup your model file to make sure that undesirable functions can cause no damage to your model! (landing gear, electric motor, Servogroups....).

4.2 Update der DR 12-22R Serie

1. Turn off DualReceiver!
The red plug **REMOVE BEFORE FLIGHT** must be plugged
At least one battery must be plugged
2. Insert the micro SD card with the firmware and the voice file on it into the DualReceiver.
Please make sure that the Micro SD card is inserted upside down (lettering to the bottom) and locked.

3. Turn on your DualReceiver by removing the red plug **REMOVE BEFORE FLIGHT**.
The update starts automatically
The DualReceiver won't show any reaction within the first 5 seconds.
After that all LEDs will flash/glow as usual.
4. Turn off your DualReceiver by plugging the red plug **REMOVE BEFORE FLIGHT** and wait 2 seconds
5. You can leave the firmware on the Micro SD card. If you turn on the your DualReceiver next time it will automatically detect if the update has already been made.

4.3 After update → Binding

1. By updating firmware the DualReceiver has been set to default settings. You have to **Bind** it to your transmitter module again.

You can read how to make **Binding** on the manual „2.4 Binding-Quickbinding“.

4.4 Check

1. Check the configuration of your DualReceiver especially servo settings and alert levels.
2. Depending on the complexity of the update it may be necessary to reload the backup of the configuration, saved before the update.

GigaControl - File – Load model file



4.5 Problems and possible mistakes

1. supply voltage too low, please use at least one fully charged battery.
2. You have chosen the wrong firmware file. (Vxxx_TypCfw).
3. LEDs flash immediately after turning on.
 - Update already made. Please check the firmware version via GigaControl.
 - Micro SD card not comprehensible.
Don't just pull out your Micro SD card from your card reader!
At some operating systems you need to request disconnecting before taking out your Micro SD card from your card reader.
→ **Reformat your Micro SD card with the format FAT32.**
Copy the firmware again on your Micro SD card.