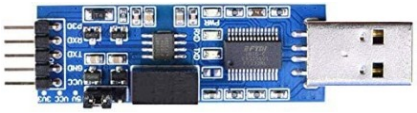
TA35-5/22-WE
Firmware updating (by serial port) 2020.08.07 why@raexmotor.com

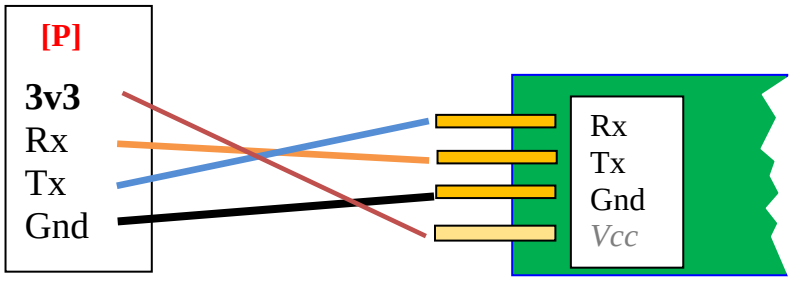
Tools:

1.1 1.2	USB-Serial module (3.3V TTL) Dupont Lines	x 1 pcs x 4 pins	**FT232RL** is recommended.	It's available on Amazon about €10. Included in USB-Serial module usually.
2.	Windows 10 Computer (with USB port)	x 1 pcs		Driver for FT232 USB-Serial module is easy to settle on Windows 10.
3.	Software firmware updating tool (lame_sender)	x 1 pcs		Python3.8 is needed. Firmware file is included in tool.
4.	**TA35-5/22-WE** motor	x 1 pcs		

Connection:



[G, T, R, *3v3*] **[P]**



Prepare:
1. Install **Python3.8**, check on "**Add Python to PATH**". Install **pyserial** by run "install_pyserial.bat";
2. **Unplug motor AC power**;
3. Connect USB-Serial module to computer (Driver will be installed automatically by Windows 10 in few minutes after first pluging into USB port), **Remove jumper** on VCC and 5V0 or VCC and 3V3;
4. Connect serial port 4 pins (VCC,Rx,Tx,Gnd) to motor.

Steps:
1. **Remove jumper** on VCC and 5V0 or VCC and 3V3;
2. Run "upload.bat";
3. **Connect jumper** in USB-Serial module of **3V3 and VCC** (this will power on MCU inside motor);
4. Updating... bi,bi,bi ... (~60s);
5. Done, or repeat from step 1, if not all data block completely sent, or checksum is not correct.

demo: https://github.com/elanwu/lame_sender/blob/master/demoT.gif