Connection overview / GEN1 board

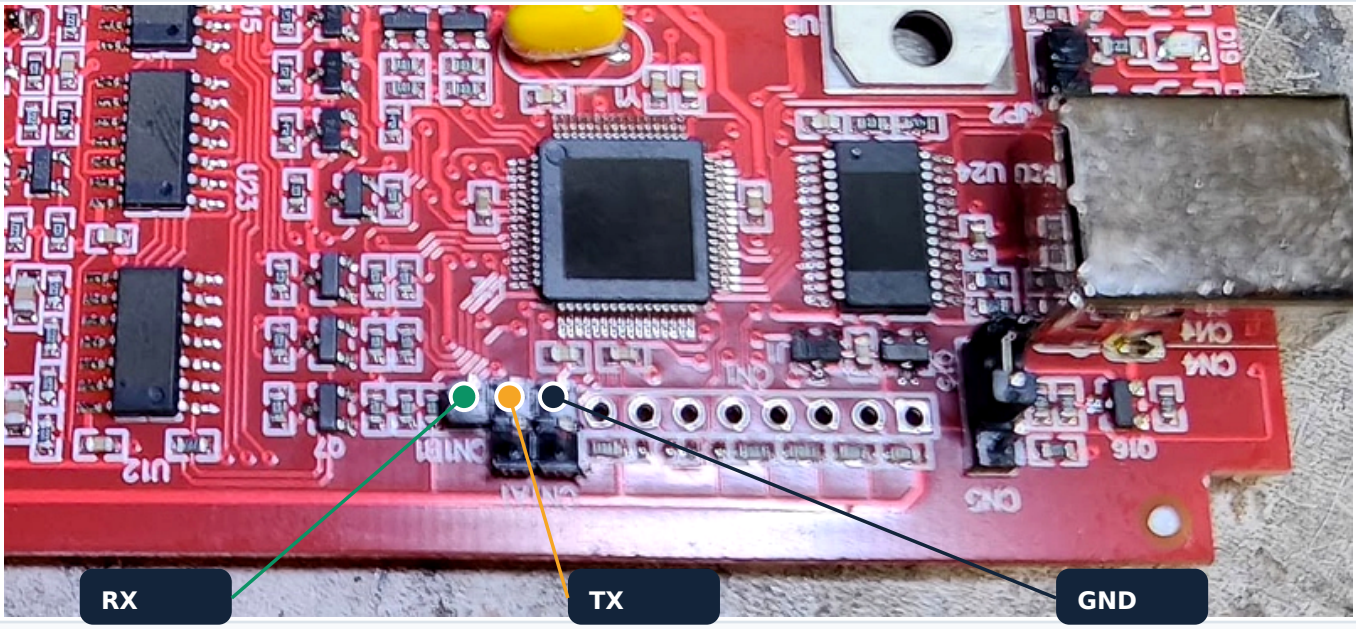
Connect the KT200x to a USB-to-serial FTDI adapter.

WIRING REFERENCE

KT200X RX	KT200X TX	KT200X GND
→ FTDI TX	→ FTDI RX	→ FTDI GND

Important: The FTDI adapter and KT200X require separate USB connections.
AND DONT FORGET TO SET FTDI TO 3.3 V!!!!

GEN1 • board connection points



GEN1 - BEFORE PROGRAMMING

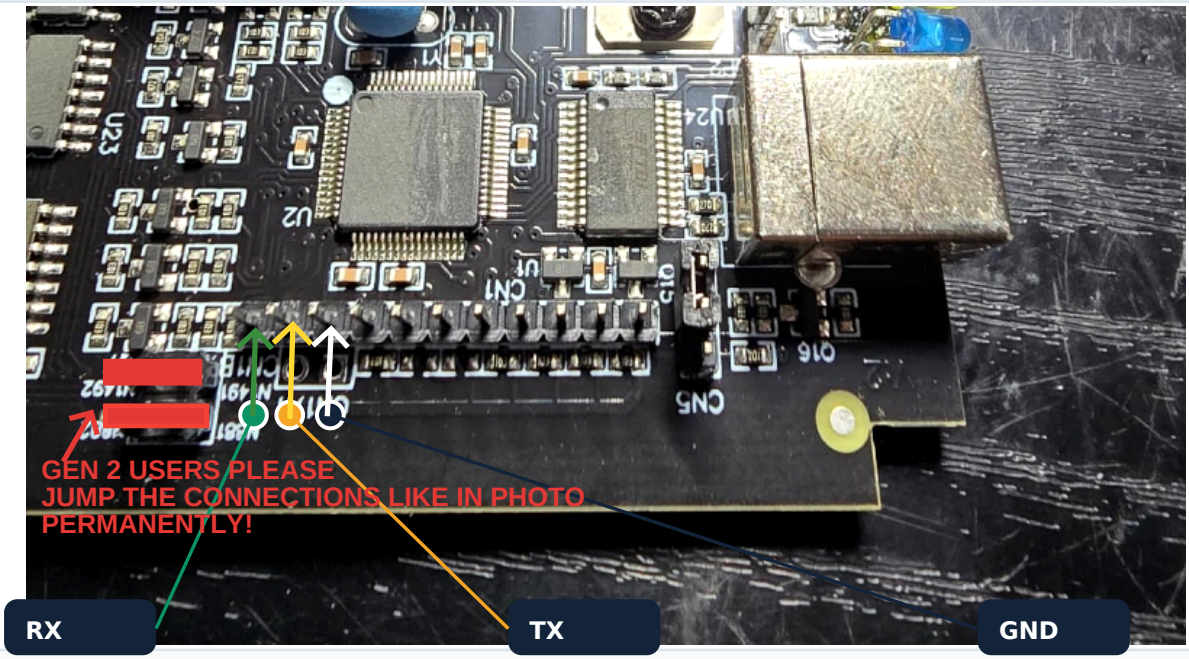
1. **Connect the three FTDI signal wires**
   Use the RX / TX / GND mapping above.
2. **Move the jumper**
   Remove the jumper from CN5 and place it on JP1.

Use the GEN2 reference on the next page if you have the black PCB.

GEN2 board / Hardware preparation

GEN2 uses the same signal mapping as GEN1.

GEN2 • board connection points



FTDI PINOUT

KT200X RX → FTDI TX • **KT200X TX → FTDI RX**

KT200X GND → FTDI GND

PREPARE BOTH DEVICES

2 **Move the jumper**

Remove CN5 jumper and move it to JP1.

3 **Connect the FTDI USB cable**

Verify the adapter appears as a COM port in Windows Device Manager.

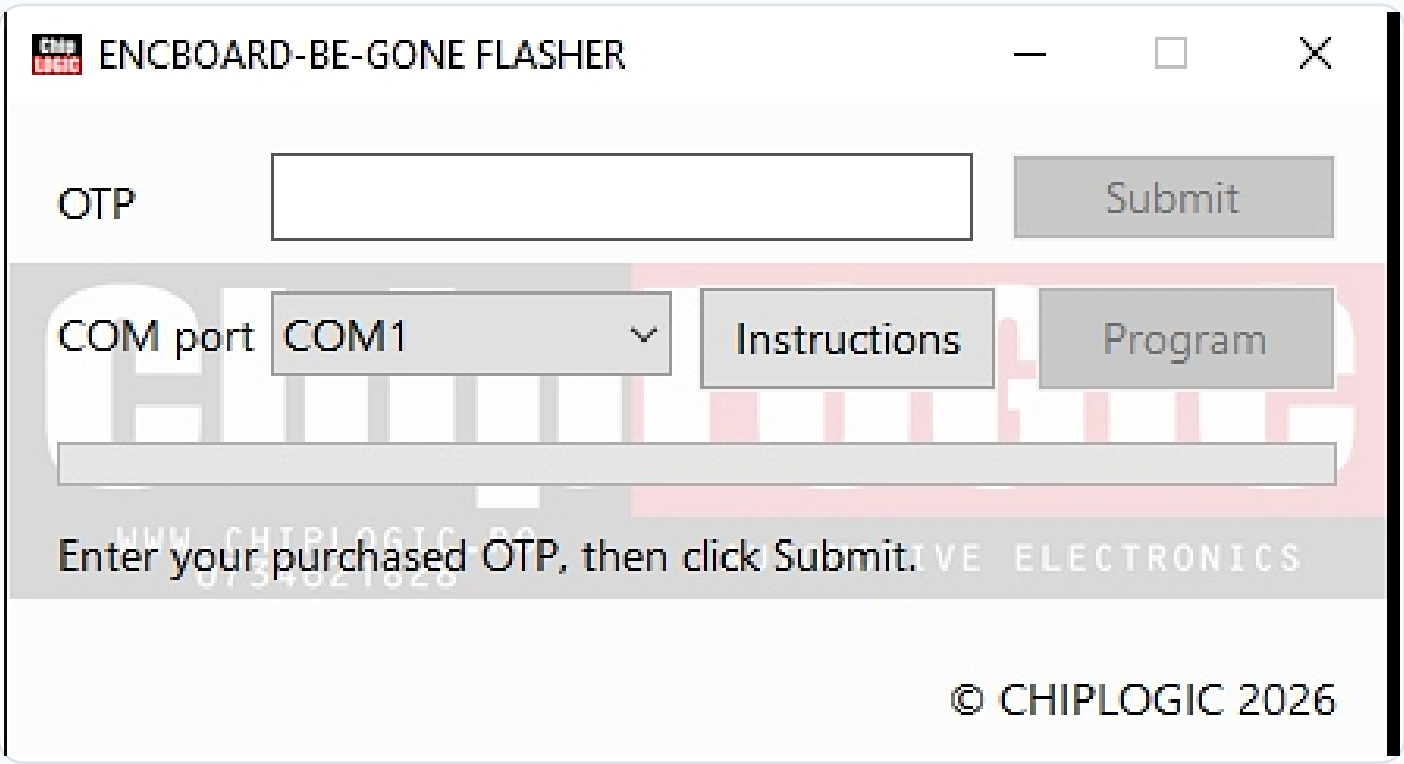
4 **Power the KT200X with its own USB cable**

Do not connect 12 V power during this procedure.

Programming / Finishing steps

Complete the process using the ENCBOARD-BE-GONE FLASHER.

SOFTWARE WINDOW



5 PROGRAM THE DEVICE

Enter your purchased OTP code and click Submit (5.1).

Select the FTDI COM port, then click Program (5.2).

6 **Disconnect and restore**

Wait until programming is complete. Disconnect USB from both KT200X and FTDI, then restore the jumper to CN5.

7 **Process complete**

Your KT200X is ready to use without the ENC board.

Do not disconnect power or USB while programming is in progress.