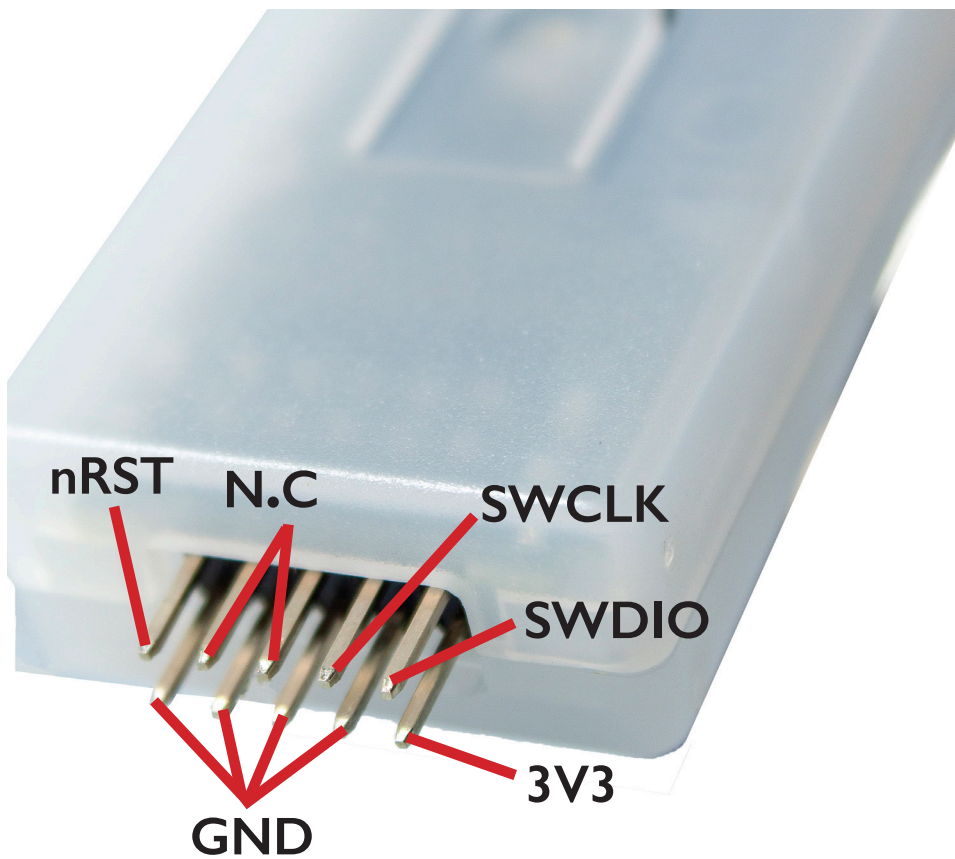# PROX-PROG
USER MANUAL

Supports All STM32 MCUs

• Auto Programming
• Verification
• Readout Protection
• 128Mbit Memory
• USB-C Connector
• 400mAH Battery

Getting Started

Once you receive your very own PROX-PROG, it will be in Transport Mode. To activate it, connect it to a Power Source or Computer using the USB-C cable to perform a Hardware Reset, which will activate the PROX-PROG for you.

PROX.SG

Header Pinout

nRST N.C SWCLK

SWDIO

3V3

GND

Power & Indicator

• To recharge the PROX-PROG, connect it to a Type-C power source.

🟡 Yellow LED - Low Battery

🔴 Red LED – Charging

🟢 Green LED – Fully Charge Time ~1 hour

Mode Selection & Indicator

Program Mode:

• Press the button once to enter Program Mode.

🔴 Blinking Red - Ready to Program

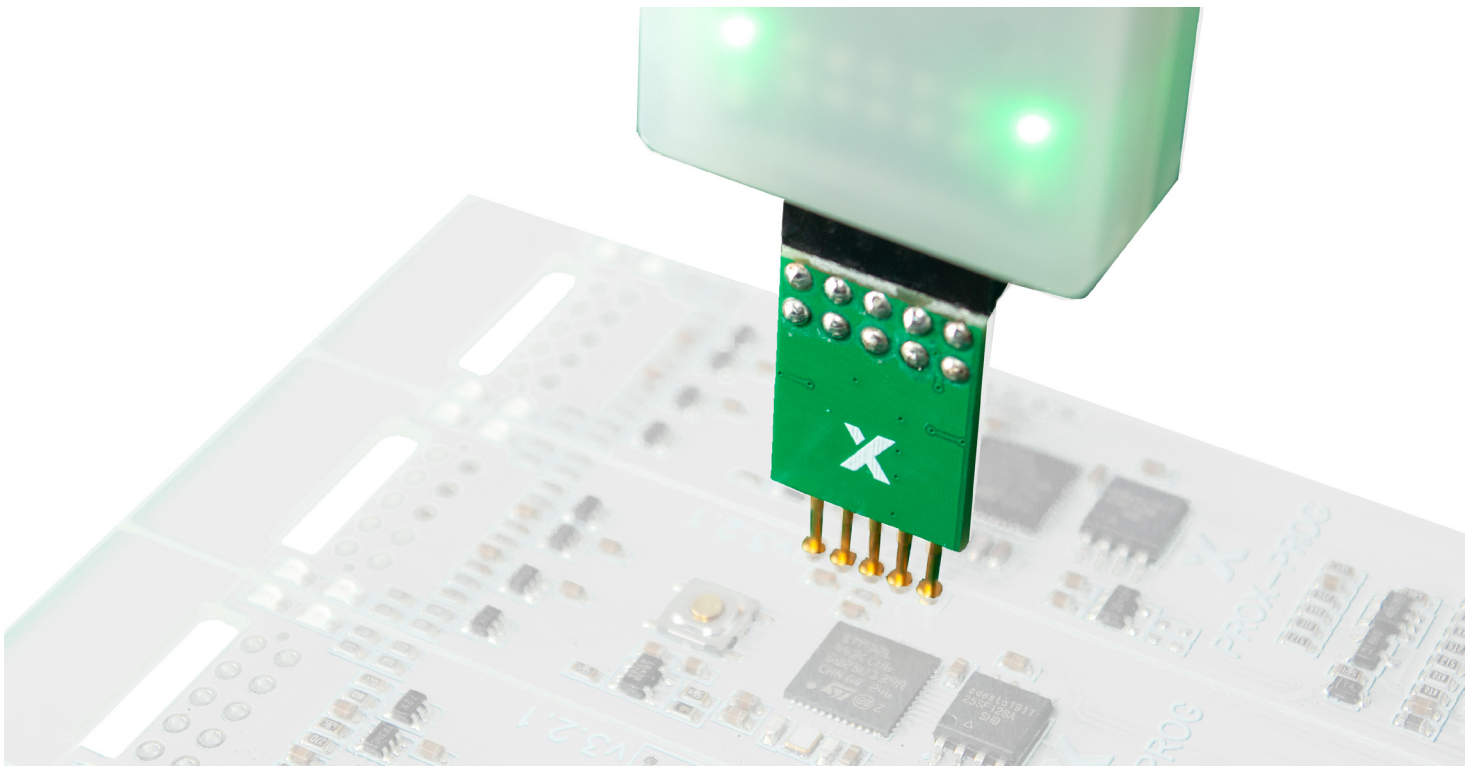🟢 Blinking Green – No HEX File Found. Upload a HEX File

Sleep Mode:

• Press & hold button for 2 seconds to switch into Sleep Mode

Transport Mode:

1. Press and hold button for 8 seconds.
2. 🔴🟢 Green and Red LEDs will flash with a buzzing sound, this indicates that PROX-PROG is entering Transport Mode.
3. Keep holding the button until the flashing stops to complete the process.

File Transfering

1. Connect the PROX-PROG to your PC via Type-C USB
2. Wait for it to mount as a PROX-PROG drive
3. Drag and drop or copy and paste the HEX file onto the drive
4. Eject safely and It's ready to use!

In System Programming

• Connect the PROX-PROG to the MCU that will automatically initiate the flashing process

• If the connection is accidentally disconnected, it will restart the process automatically

LED Status Indicators:
🔴 Blinking Red - Ready to Program
🟢 Blinking Green – No HEX File Found. Upload a HEX File
🟢 Blinking Green with Low Tone - Program Transfer in Progress
🟢 Steady Green with High Tone - Program Successfully Transferred