

# LANA Firmware flashing v 1.0

for latest version of this document visit:

[https://github.com/area3001/Lana/blob/main/EndOfLine/EOL\\_flashing\\_firmware.pdf](https://github.com/area3001/Lana/blob/main/EndOfLine/EOL_flashing_firmware.pdf)

## Preparation

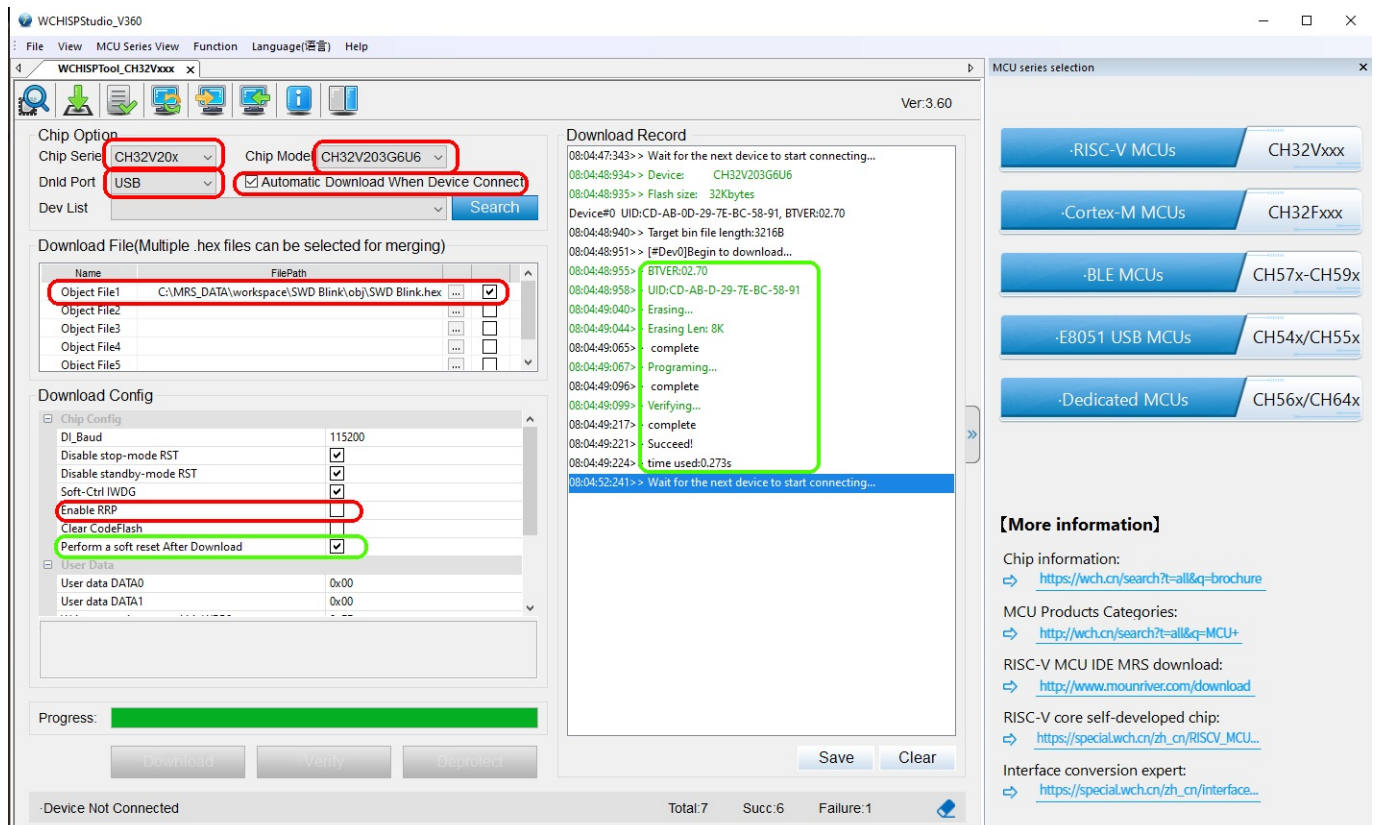
This needs to be done only one time.

1. Download WCHISPTool\_Setup.exe [https://www.wch-ic.com/downloads/WCHISPTool\\_Setup\\_exe.html](https://www.wch-ic.com/downloads/WCHISPTool_Setup_exe.html)
2. Install wCHISPTool\_Setup.exe
3. Download the LANA EOL Firmware  
<https://github.com/area3001/Lana/tree/EndOfLine/EndOfLine/Firmware/Binaries>

Note: use LANA\_EOL\_G8.hex for the 64k version of LANA (CH32V 203 G8U6)

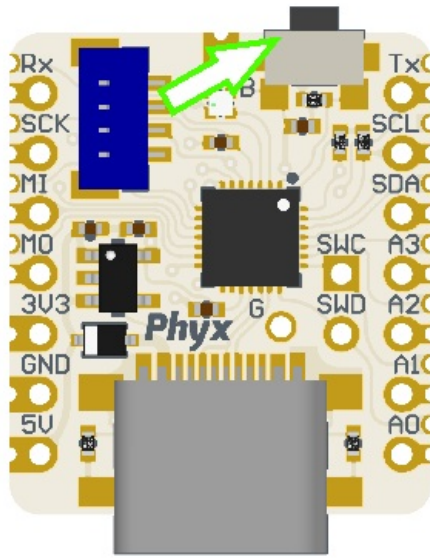
## Flashing

1. Start WCHISPTool
2. Select RiskV MCU's / CH32Vxxx
3. Set these options
  1. Chip Serie: CH32V20x
  2. Chip Model: CH32V203G8U6 or CH32V203G6U6 (depending on the chip used)
  3. [v] Automatic Download When Device Connect
  4. Object File 1: **Select the hex file you downloaded above**
  5. Enable RRP: This must be off, do not enable.
  6. Perform a soft reset After Download: [v] this must be on



## For each LANA Chip

1. press, and HOLD the boot button



2. insert the usb connector while still holding the boot button
  3. The download record should show Succeed!
  4. The onboard LED starts blinking in a rainbow pattern  
Note: if the LED does not start flashing try unplugging the USB and plug it in again.
- Repeat the 4 steps above for all boards.