Emy Firmware

This firmware is designed for Emy 2019 edition (PCB revision 1.0c).

It can run on the Emy 2018 (PCB revision 1.0b) version, but the USB keyboard functionality will not work unless you modify it by following these instructions

Firmware load

Option 1 Saving the firmware exactly as “firmware.bin” on the SD card and restart

Option 2 (requires the Emy version 2.1 or bigger to be installed first)
Save it on the SD card with a name like “emy.bin” and you will be able to load it from the code>flasher menu.
The same applies to the **Mea, Kaiwa, Sino & Vax firmware**, so you can switch from one to another within the main menu

This function simply copies the firmware to “firmware.bin” and reboots the system while deleting the firmware.bin but keeping the original with its name.

Firmware revision

Date	Revision	Changes
27/01/2024	2.6b	Max 25 files - Drone pot improved
03/10/2021	2.6	added a screen saver in the main menu / wakes up with the rotary encoder
05/06/2021	2.5	Keyboard-speak: press tab to save the phonemes to keyboard.phn and play it back in SD PHN SD PHN also support Normal, Loop, Random mode

Date	Revision	Changes
12/09/2020	2.4	Keyboard : Morse code as square signal on Audio out Use P4 to adjust the speed, P5 for the duration, and Sound for the pitch.
23/08/2020	2.3	Adding Loop and Random mode to SD LPC Votrax Silencer for Robovox owner
13/01/2020	2.2	Now sending LPC label to serial
22/12/2019	2.1	Added firmware loader from the main menu ! Numbers : added new group for (0-1)
16/10/2019	2.0f	Lowercase key triggers Speak & Spell letters while uppercase key triggers TI99 letters.
09/10/2019	2.0e	Added Speak&Spell sound engine (278 new sounds in 9 banks of 32) Keyboard single key mode +-.*/ triggers S&S beeps while functions key trigger S&S phrases. Calibration now with P1 & P5
27/02/2019	2.0d	added 2 tones in keyboard direct and spell mode (* and . key)
06/01/2019	2.0c	Fixed broken chatter mode
23/01/2019	2.0b	Minor updates to the text-to-speech engine. Added a Morse code mode generator from the keyboard text entry ; -)
16/01/2019	2.0a	Text to speech !
28/12/2018	2.0	Initial release for Emy's hardware new 2019 edition