Talko Downloads

Install Driver

Windows users should install the USB driver from here : http://ww1.microchip.com/downloads/en/DeviceDoc/MCP2221%20Windows%20Driver%202014-10-09.zip

This may require the computer to be restarted before the new com port to show up

Install EasyUploader

Install the software from one of these links :

Mac version EasyUploader.dmg

Windows version EasyUploader.msi

Connect USB

Connect the module before launching EasyUploader

Run the uploader

1. Select the chip : ATmega328P
2. Choose your com port
3. Pick the appropriate.hex file

Attention do not upload .hex file containing bootloader (like the one that can be produced by the Arduino IDE) : this would delete the original bootloader and would require the use of a programmer to reflash it.

Talko Firmware

Hardware version 1.2

Talko1_2.hex : Original version of the software.

Talko1.2rev1 : 3 new banks added : 15: French Vowels Male / 16: Voiced allophones / 17: VCO friendly voiced allophones

Talko1.2rev2 : VCO mode uses 1V/octave tracking to play notes. Feed the CV into PITCH jack and tune it with the BEND pot to play notes.

The user manual related to this firmware can be found here : Talko Manual 1_2

Hardware version 1.1

Talko1_1.hex : Original version of the software. Runs on the hardware version 1.0 & 1.1

The user manual related to this firmware can be found here : Talko Manual 1_1

Talko1_1VCO.hex : Updated VCO mode. Runs on the hardware version 1.0 & 1.1

Auduino1_1.hex : Auduino, the Lo-Fi granular synthesiser. Runs on the hardware version 1.0 & 1.1

Pots :
Bank : Grain 2 decay
Sound : Grain 1 pitch

Pitch: Grain 1 decay
Speed: Grain 2 pitch
Bend: Grain repetition frequency

Switches not used

LED dot lit when gate is high

Talko1_1Digits.hex : Only 2 banks: Male & Female digits (LED dot lit on Female bank)

LED displays digits beeing said

Runs on the hardware version 1.0 & 1.1

Canto1_1.hex : Formant synth

Bank : not used
Sound = vowels
Pitch = pitch
Speed = not used yet
Bend = not used

Switches not used

LED dot lit when gate is high

Runs on the hardware version 1.0 & 1.1

Talko1_1DV.hex : Talko growling mode

Engage the bending switch and use the bending knob to generate a strange growling voice. Bank 5 modified to generated big numbers (from 0 to 999.999) on gate trigger. [fac_icon icon=”exclamation-triangle”] Attention loud volume possible !

Runs on the hardware version 1.0 & 1.1
