

Piccolino

The micro-controller with just the right features



LIBRARIES

Download the libraries from
[GitHub](#)

Sep 15 2015 Updated for
piccolino.io feeds



DOCUMENTATION

Learn about Piccolino.



SUPPORT FORUM

Developer Support & Code
Sharing

Developer Tools

Tools and IDE environments for developers

ARDUINO IDE & ERW IDE

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software.

[Official Arduino IDE download website](#)

[Arduino ERW IDE \(recommended\)](#)

[Visit the information and support page](#)

ESPLORER LUA IDE

Use the ESPlorer IDE to

LCD ASSISTANT

Use the LCDAssistant program to convert bitmaps to a format which is compatible with the Piccolino. The program requires that the width of the image is a multiple of 16 bytes (or it will not encode the bitmap correctly). Only 1 bit bitmaps (black & white) are supported.

[LCDAssistant.zip](#) (local copy)

[Support Website](#)

ESP8266 NODEMCU FLASHER

NodeMCU flasher is a firmware programmer which

MIDI TO TONE CONVERTER

The MIDITONES application converts a standard MIDI file into a much simplified stream of commands, so that a version of the music can be played on the Piccolino micro controller. This tool was used to convert the midi files used in the Piccolino playtune demo.

[miditonesV1.6_32b.zip](#) (local copy)

[Source on GoogleCode repository](#)

NODEMCU V0.9.5 BIOS

This archive contains the

develop (or edit) your Lua scripts on the ESP8266 WIFI module. The program is written in Java and should run on most platform (Windows/OSX/Linux).

[ESPlorer.zip](#) (local, ready to run copy with distribution Piccolino Lua scripts)

[Github support page](#)

you can use it to program NodeMCU distribution firmwares on Piccolino's ESP 8266 WIFI board. You MUST set GPIO0 to LOW before programming. Currently only for Windows, the developers are working on next version and will use QT framework and will be cross platform and open source.

[Get your copy from Github](#)

distribution version of nodeMCU v0.9.5 including the original Piccolino distribution Lua scripts.

[nodemcu_20150213.zip](#)

Demos & Utilities

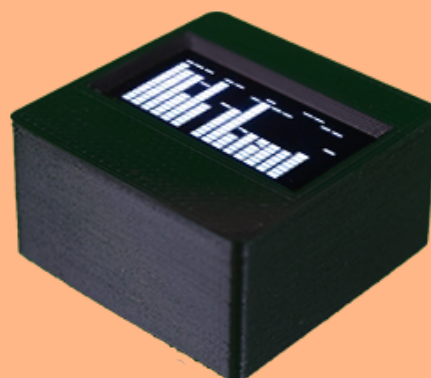
Additional Piccolino demonstration sketches and utilities

PICCOLINO ESP8266 MODE

Sets Piccolino's ports so that you can program LUA scripts and/or flash the ESP8266 WIFI module (don't forget to push the comms switch to ESP8266 mode!).

[piccolino_esp8266_mode.](#)

SPECTRUM ANALYZER



Simple OLED audio spectrum analyzer (bar

WAV AUDIO PLAYER

The WAV player uses the TMRpcm library (available in our repository on Github) to play WAV music and sounds effects directly from SD card.

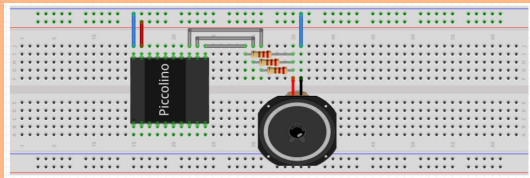
[WAV_OLED_player.zip](#)

[zip](#)

graph display) demo using
A0 as input and FHT
filtering or random data.

[Spectrum.zip](#)

PLAYTUNE



Uses 3 separate channels
on pin 10,11 and 12 to
play converted MIDI files
on the Piccolino (windows
midi converter included in
work directory)

[Playtune.zip](#)



PICCOLINO ROCKS!

Copyright © 2017 World Class Technologies