

Getting Started with Agon Light 2 pre-built by Cartooning the Screen

1. Overview

Back Ports:

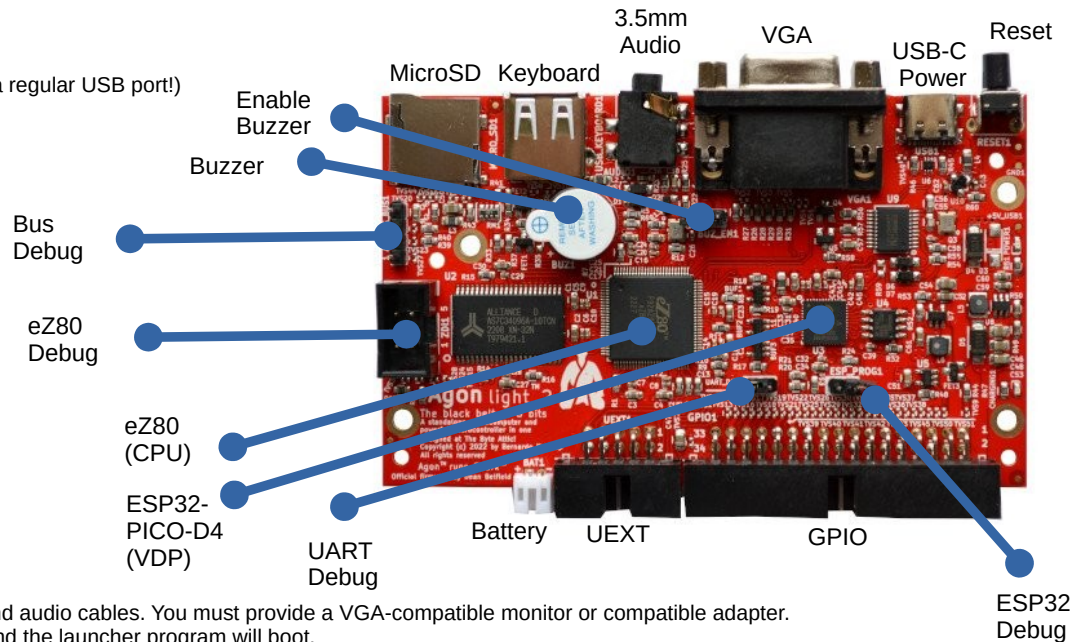
VGA
USB-C Power
USB-A PS/2 Keyboard *(This is not a regular USB port!)
3.5mm Audio
Reset
Micro SD Card

Front Ports:

GPIO pins
Olimex UEXT
LiPo Battery

Board:

EZ80 debugger pins
Bus pins
On-board audio buzzer
Buzzer enable jumper
ESP32 Serial UART jumper
ESP32 debugging jumper



2. Power-on

Plug in the included VGA, keyboard, and audio cables. You must provide a VGA-compatible monitor or compatible adapter. Then plug in the USB-C power cable and the launcher program will boot.

3. Usage

The launcher is keyboard-operated. Press the up and down arrows and ENTER or Spacebar to select. To explore command-line MOS, press Escape. Basic usage of MOS:

Command	Result
.	List files and Directories
cd games	"Change Directory" to "games"
cd /	"Change directory" to the root directory
mc	Open "mc" file browser (alternative to typing commands)
ne mytext.txt	Open "ne" text editor editing "mytext.txt"
pcxview pcx/bna-2bpp.pcx	View the PCX file "bna-2bpp.pcx"
load games/rokky.bin	Load the binary file "rokky.bin" into memory
run	Run the binary file loaded from the load command
bbcbasic	Start a "BBC Basic" session
forth24	Start a "Forth" session
flash all	Update the firmware

4. Troubleshooting

a. My keyboard doesn't work.

The Agon Light 2 board requires specifically the "PS/2" protocol using a USB connector.

This is a specific type of interface that isn't compatible with most USB keyboards, and is not guaranteed to work with adapters either.

Included with the CTS pre-built is a Perixx PERIBOARD-409U which is tested to be compatible.

b. How do I enable/disable the on-board buzzer?

Open the case and move the jumper to bridge the pins(on) or not (off).

c. How do I update the software?

Updated versions of A-Nib distribution are available for download from:

<https://triplefox.github.io/cts-agon/>

Push on the included microSD card to release it.

Then insert it into an SD card reader for your PC or mobile and copy the new files.

Re-insert the microSD card into the Agon and power it on.

If new firmware has been added, exit the launcher and run "flash all" to update it.

d. Where is the Agon community? Where is documentation for BASIC, etc.? How do I connect with other users?

The hub of Agon development is currently with the Console8 team:

<https://agonplatform.github.io/agon-docs/>

They currently host the most links and resources for Agon users.



For additional support e-mail acubicfox@gmail.com