AYN

Board	Status
Odin 1	Not yet supported
Odin 2	Supported in 42
Odin 2 Portal	Supported in 42
Thor	Supported in 43

ODIN 1

Details on Aya Odin Base/Pro

ODIN 2

ODIN 2 PORTAL

Installation

1. burn a sdcard with batocera on it
2. boot the board on Android
3. download odin2_custom_abl_xxx.7z (original link) or odin2_custom_abl.zip (copy on batocera.org) and extract it at the top of the root of Android internal storage
4. go to Android settings : “Odin settings” → “Run script as Root” to run the “backup_and_flash.sh” script (The original ABL will be backed up to /sdcard/backup)
5. reboot and enjoy

Thor

Installation

1. Boot your Thor device on Android.
2. Download odin2_custom_abl.zip (this is the same package as the Odin2 above) and extract it into **/sdcard/odin2_custom_abl/**. Be careful the names are confusing: in Android, the internal memory in called `sdcard` while the micro-SDCard is called `disk`. It is really important that you extract the zip file in this directory in the internal memory of the Thor system, because some paths are hardcoded in the next step. If you extract it somewhere else, the flash will fail, but you won't necessarily notice it. If you need to extract somewhere else, you will have to adapt the paths in the following script.
3. Go to Android settings, at the bottom in the **Thor settings** → **Run script as Root** and select the **backup_and_flash.sh** script. The script will run quickly and back up the original boot loader to **/sdcard/backup/** directory. Keep this as a backup in case you want to rollback.
4. Download the Batocera Ayn Thor image and burn it on an micro SDCard. **Warning:** make sure

you have a high quality SDcard. In my testings, I failed booting a 256GB no-name card, while a 128GB PNY went flawlessly.

5. Then, if you have your Batocera micro SDCard inserted in your Thor, boot it up and it starts on Batocera.
6. If you want to go back to Android, remove the SDCard, enter the boot loader menu by pressing `[vol +]` and `[power]` and switch the boot selection from Linux to Android. and you'll be back to Android.

Troubleshooting

Before you flash with the new boot loader, you can access some boot options by keeping pressed the **[Vol -]** and **Power** buttons. The old boot loader is in portrait mode and looks like this:



If you still have access to this menu after you think you flashed your boot loader, try again (and verify the paths, the install needs to be in the directory specified above).

After you successfully flashed the new boot loader, there is no need to use any key combination to boot Linux and Batocera. If, for whatever reason, the Linux boot process fails, you will have this kind of message on your device (in landscape mode now). After a few seconds, it will automatically boot back on Android.



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