

Blue Pill panels boot animation during startup.

Should my BPI product have an animation during startup ?

Below is a table summarising the status of implementing the boot animations to various products:

| Controller | Status | Comments |
|------------------|----------|----------------------------------|
| AIRFLY | RELEASED | |
| QUICKBAR | RELEASED | |
| AIRFLYPROV2 | On hold | |
| AIRFLYPROV3 | RELEASED | |
| BLUE PILL SERVER | RELEASED | |
| COLORFLYV3 | RELEASED | |
| FRAMESHOTUNO | RELEASED | |
| HEIREPLAYV2 | RELEASED | |
| HEISIDECAR | RELEASED | |
| INLINE10 | RELEASED | |
| INLINE22V2 | RELEASED | |
| LIVEFLY | RELEASED | Nkk version was added in v 0.1.7 |

| | | |
|--------------------------|------------|--------------------------------------|
| MASTERKEYONEV2 | RELEASED | 2 Versions: single and double bus |
| MINIFLY | RELEASED | |
| MK48 | RELEASED | |
| MKA1 | TO BE DONE | |
| MKA2/PTZ VIEW | RELEASED | |
| MKA3 | TO BE DONE | |
| MKA4 Quickshot | RELEASED | |
| MKT1A/B T-Block R/L | RELEASED | |
| PTZEXTREMEV2 | RELEASED | |
| PTZFLY | RELEASED | |
| PTZPROV2 | RELEASED | |
| PTZWIZV2 | RELEASED | |
| RACKCONTROLDUO | RELEASED | |
| RACKCONTROLUNO | RELEASED | |
| RACKCTRLXK1 | RELEASED | |
| RACKCTRLXK2 | RELEASED | |
| RACKCTRLXK3 | RELEASED | |
| RACKFLYDUO | RELEASED | |
| RACKFLYTRIO | RELEASED | |

| | | |
|--------------------|----------|---------------------------------|
| RACKFLYUNO | RELEASED | |
| RACKFUSIONLIVE | RELEASED | Nkk added in v0.2.9. |
| RACKPRO1 | RELEASED | |
| RACKPRO2 | RELEASED | |
| RACKPRO3 | RELEASED | |
| RCPPRO | RELEASED | |
| RCPV2 | RELEASED | |
| WAVEBOARDV2 | RELEASED | |
| WAVEBOARD MINI | RELEASED | |
| XC8S | RELEASED | |
| XPOINT24 | RELEASED | Had wrong file, fixed in v0.1.9 |
| XPOINT48V2 | RELEASED | |
| FRAMESHOTPRO | RELEASED | |
| REDIRON/ RC-SK5 | RELEASED | |

My product is in the list, but I do not see any animation during startup?

There are various reasons for this to happen, eventually your controller tried to flash the special firmware to the chip and failed for some reason and as a result it saved a "failed attempt" flag and does not try to do it again as it would happen every time hardware-manager is restarted.

There are 2 ways to try to recover the boot animations.

We will start with a simple one:

1. Power the panel.
2. Make sure your panel has "RELEASED" status in table above, update Reactor package to the latest version.
3. Also please make sure panel has latest operating system version as well as hardware-manager package.

4. Find out panels IP address and in your browser go to x.x.x.x/tools. (Substitute x with IP of your Panel)
5. Make sure you see "HW Bootscreen Repair" section. Check the status field.

Reactor

HomeConfigurationSimulatorPackagesSettingsDevice: M

SKAARHOJ

Pinger

Ping devices on the same network as the SKAARHOJ device.
Press enter to start pinging, press escape to stop

Address:

Type the IP address or hostname you want to ping

Ping

skaarOS Stats Page

View processes, temperature and cpu load of your skaarOS device.

Open

Clear Reactor Data

This allows you to reset data that reactor has cached internally without deleting your entire configurations.

Remove cached Panel Data

Remove cached Devicecore Data

HW Bootscreen Repair

This allows you to reset data controlling the startup animation of your device, so it gets updated on the next restart of the hardware-manager again

Status: Ok

Reset Hardware Boot Animation Update

HW Event Log

Here you can see all incoming Hardware events that reactor is processing right now

| Status | Boot Animation at Startup | Comments |
|--------|---------------------------|--|
| OK | YES | Everything is good, no need to do anything |

| | | |
|------------------|--------|--|
| OK | NO | Click on "Reset Hardware Boot Animation Update" and restart hardware-manager when asked |
| Failed to update | NO | Click on "Reset Hardware Boot Animation Update" and restart hardware-manager when asked |
| Unknown | YES/NO | This means your panel or specific version of your panel does not have a Bootscreen animation firmware available. |

1. If one has clicked "Reset Hardware Boot Animation Update" after restarting hardware manager one should see "Wait Please!" message on all of the screens of the panel! **It is crucial not to interfere or power cycle the panel at this stage**, as it can "brick" the chip being flashed without the possibility to recover. Once flashing the chip is done one will see a "short"(5 sec) animation and controller will switch to its normal operation.
2. Try to power cycle your panel - the boot animation should be running the first ~30 seconds while main operating system is booting.

Another "walk-around" solution would be the following (might be the way to if your panel does not have Reactor due to Licensing constrains):

1. Make sure your panel has internet access.
2. Goto 'Settings' page.
3. Panel should have the latest Operating system version or at least v1.1 . So please check the version you have and update if needed. (Also **backup your Reactor projects**, as we will perform full file system erase further.)
4. Press and hold [Shift] button on your keyboard and click "Reset" button with the mouse.
5. You should see the "HARD System Reset" dialog and click 'Confirm' if you wish to proceed.
6. In approximately 30-40 seconds panel should restart and one should see "Wait Please!" message on all of the screens of the panel! **It is crucial not to interfere or power cycle the panel at this stage**, as it can "brick" the chip being flashed without the possibility to recover. Once flashing the chip is done you will see a "short"(5 sec) animation and controller will switch to its normal operation.
7. Try to power cycle your panel - the boot animation should be running the first ~30 seconds while main operating system is booting.

System Information

| System component | Installed version |
|---------------------|-----------------------------|
| Operating System | 1.2 |
| Device Type | Blue Pill Server (bluepill) |
| System Manager | v1.0.4 (6e3071d) |
| Serial Number | 44xxxx |
| Ethernet IP | 192.168.11.170 |
| Ethernet MAC | 58:48:49:10:08:ef |
| System Memory Usage | 14% |

Licenses

Identify

Reboot

Update

Reset

HARD System Reset

X

This action will reset all DATA! After this it is essential for the device to recieve a dhcp address or manual configuration will be needed.

Are you sure you want to proceed ?

Cancel

Confirm