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.

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 ✕

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

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