

Device: Panasonic AW-RP120/AW-RP150



Introduction

The Device Core for the Panasonic AW-RP120 and the AW-RP150 have few but very practical actions.

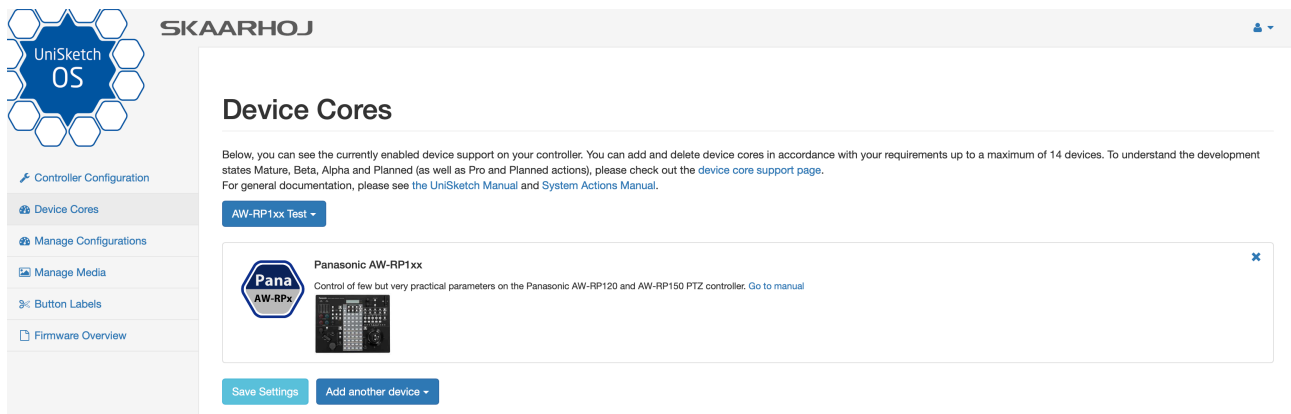
Among other things the Device Core can be used to get routing control on external hardware based on Group Select/Camera Select on the AW-RP120/150. For instance to perform routing on AJA KUMO, Blackmagic VideoHub or ATEM (AUX) for the PTZ operators engineering monitor.

Other applications includes recalling presets from a SKAARHOJ panel.

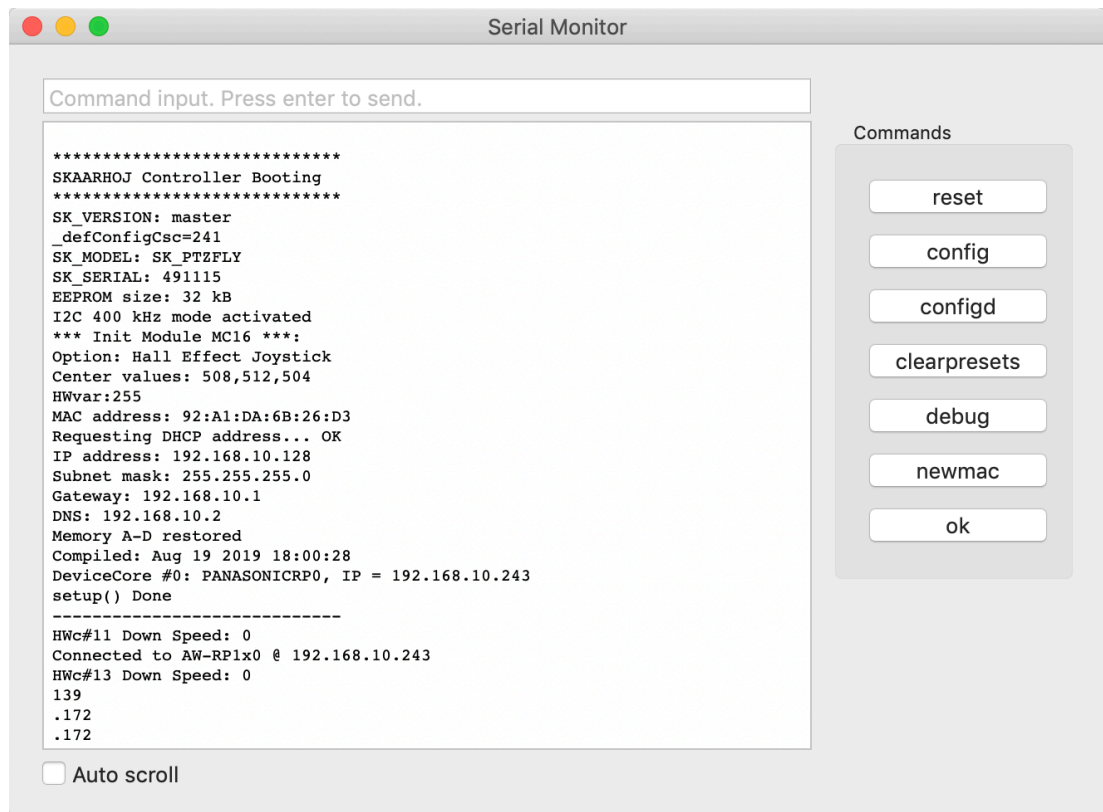
For inspiration using the Device Core for routing control check our the default config "Panasonic AW-RP1xx" on the ETH-GPI Link from cores.skaarhoj.com.

Setting up Controller

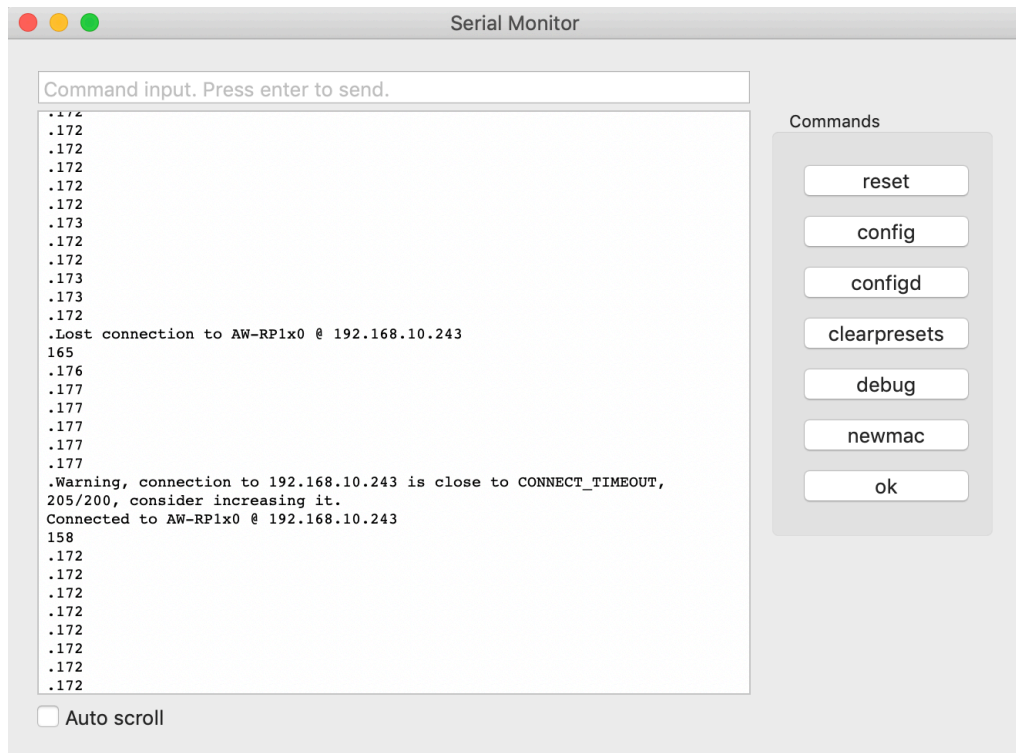
The Device Core "Panasonic AW-RP1xx" must be added to your controller



The Device Cores IP address must have the same IP address as the AW-RP1xx. Connection to the AW-RP1xx can be confirmed from the Serial Monitor with the command: *Connected to AW-RP1x0 @ 192.168.10.243*



If connection is lost the serial monitor will report: *Lost connection to AW-RP1x0 @ 192.168.10.243*



This is a overview of the actions implemented in the Device Core

Panasonic AW-RP1xx: Port Select
✓ Panasonic AW-RP1xx: Group Select
Panasonic AW-RP1xx: Recall Preset
Panasonic AW-RP1xx: Standby Trace
Panasonic AW-RP1xx: Start Trace
Panasonic AW-RP1xx: Stop Trace

Device Configurations

Device configuration options exist for the **AW-RP150** controller. This controller have a special firmware version for Fast Camera Switching. In this firmware the CAMERA/GROUP selection works as presets recall. The touchscreen is used to select cameras.

- Index 0: **Support for AW-RP150 Fast Switching Firmware**

- If "1" = Support Enabled

Activating "Support for AW-RP150 Fast Switching Firmware" could look like this device configuration code: "D0:0=1" where the general form would be "Dx:y=z" where "x" is the number of the device core as installed on the controller (starting with zero for the first device core), "y" the index number and "z" the value for that index.

If the AW-RP150 Device Core is the first like below:

Activating support would be set by this configuration under "Manage Media" on the configuration page for your controller. Access this by pressing "Online Configuration" in the Firmware Application. Remember to save on the configuration page *and* press "Check for updates" in the Firmware Application.

To confirm that a device configuration is in fact detected by the controller, please check it out on the serial monitor where it will be mentioned:

```

*****
SKAARHOJ Controller Booting
*****
SK_VERSION: v2.3.3
_defConfigCsc=5
SK_MODEL: SK_E21GPIO
SK_SERIAL: 491711
EEPROM size: 32 kB
Init GPIO board
HWvar:255
MAC address: 92:A1:DA:E1:C9:CC
Requesting DHCP address... OK
IP address: 192.168.10.112
Subnet mask: 255.255.255.0
Gateway: 192.168.10.1
DNS: 192.168.10.1
Memory A-D restored
Compiled: Oct 28 2019 13:36:04
D0[0] = 1
DeviceCore #0: PANASONICRP0, IP = 192.168.10.243
PANASONICRP: Set fast camera switching option
setup() Done
-----
Connected to AW-RPlx0 @ 192.168.10.243
Activated binary synthesized trigger, UP:0 DOWN: 1
272
    
```

Obsolete Developer Notes:

- Index 1: **Connect Timeout in ms**
- Index 2: **Reply Timeout in ms**