

# Connecting Multiple Blue Pill Panels

Tutorials on different workflows for connecting multiple Blue Pill panels

- [Raw Panel Mode or Using One Blue Pill Panel as the Main Unit](#)
- [Sharing Device Cores Across Different Blue Pills](#)

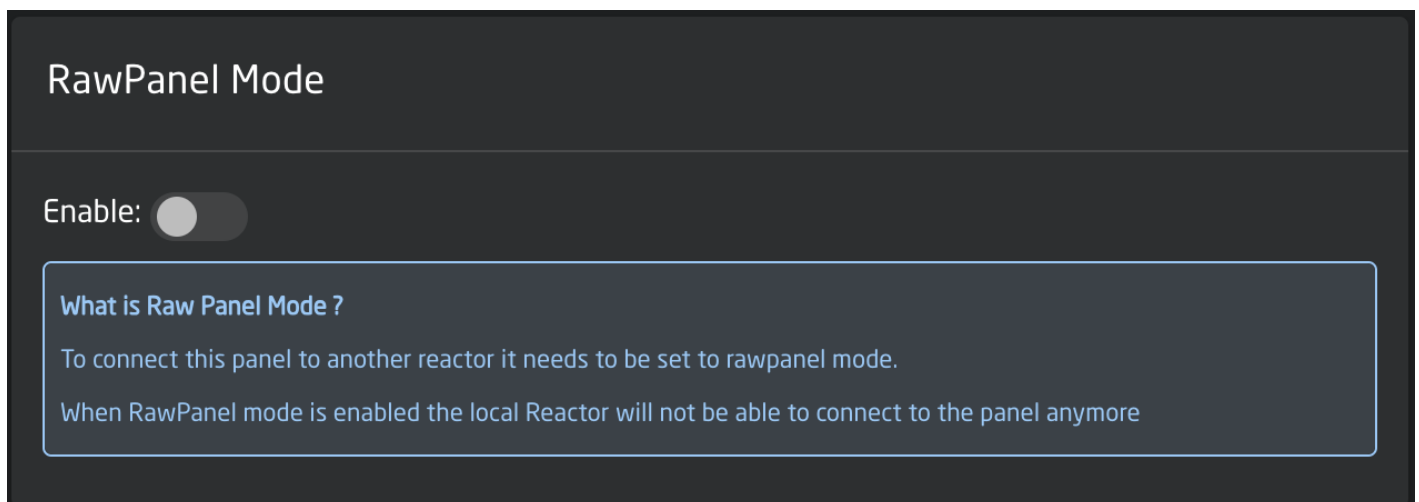
# Raw Panel Mode or Using One Blue Pill Panel as the Main Unit

There are a couple of workflows that require the panel to be set into Raw Panel Mode. This is mainly used if you are having a 3rd party program take control of the Skaarhoj Panel in a custom integration or if you are connecting multiple Skaarhoj Panels with one panel set as the main unit.

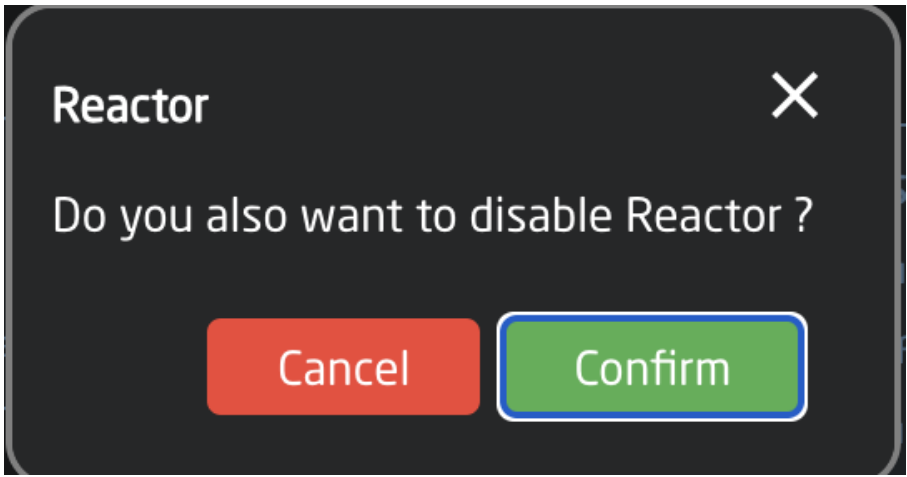
## **New Method**

Starting with System Manager version 1.0.6, it is now possible to set a Blue Pill device into 'Raw Panel Mode' on the Settings Page.

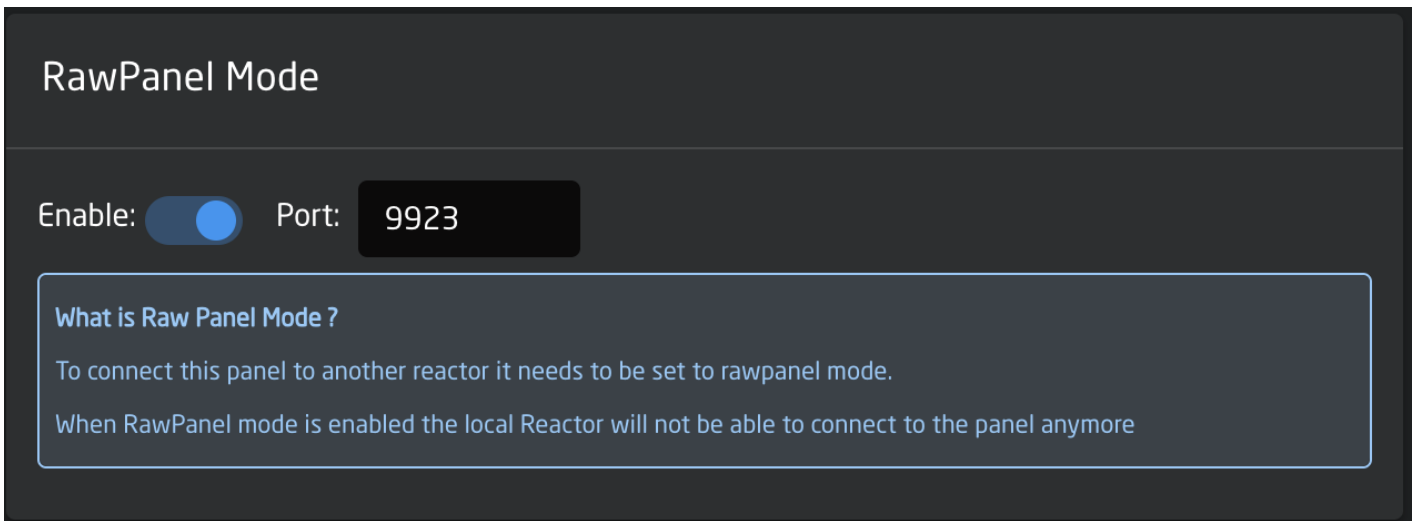
Enabling the Raw Panel Mode toggle on the Settings page does the same as step 3 in the Old Method for setting it up. After Enabling.



Once enabling, you are given the option to disable the Reactor Package. In most workflows this is what you will want to do.



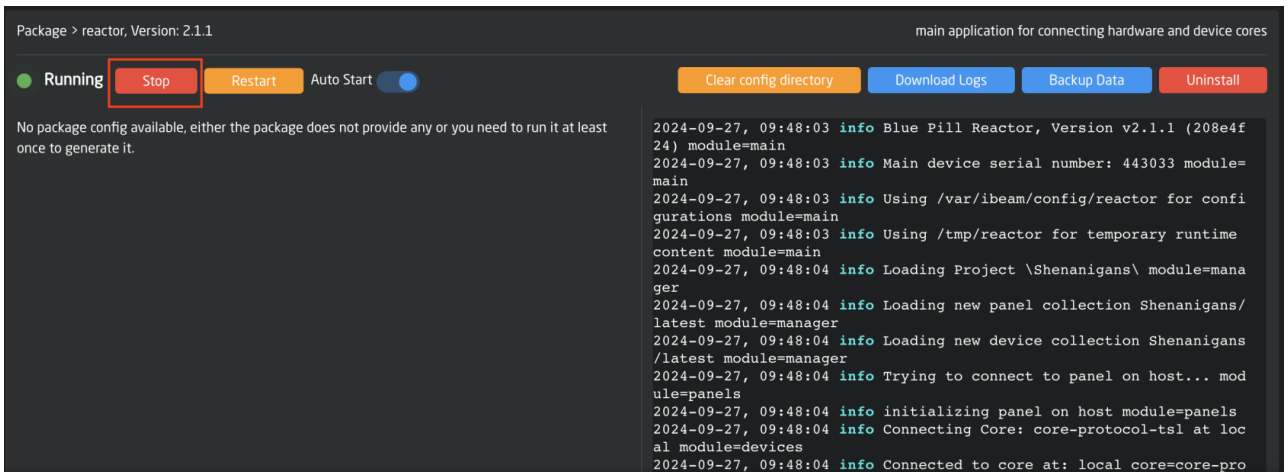
After it is enabled, you can set the specific port you need. Our default communication port for Raw Panel Mode is 9923.



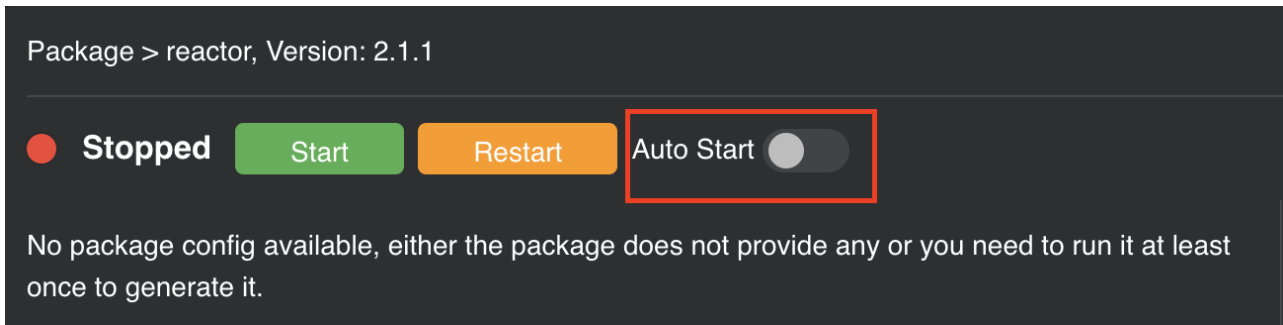
### Old Method

To set up multiple Blue Pill Inside units to work in a group together, it is necessary to change some settings in the connected panels to allow them to be controlled by the main Blue Pill panel. The connected unit needs the following changes:

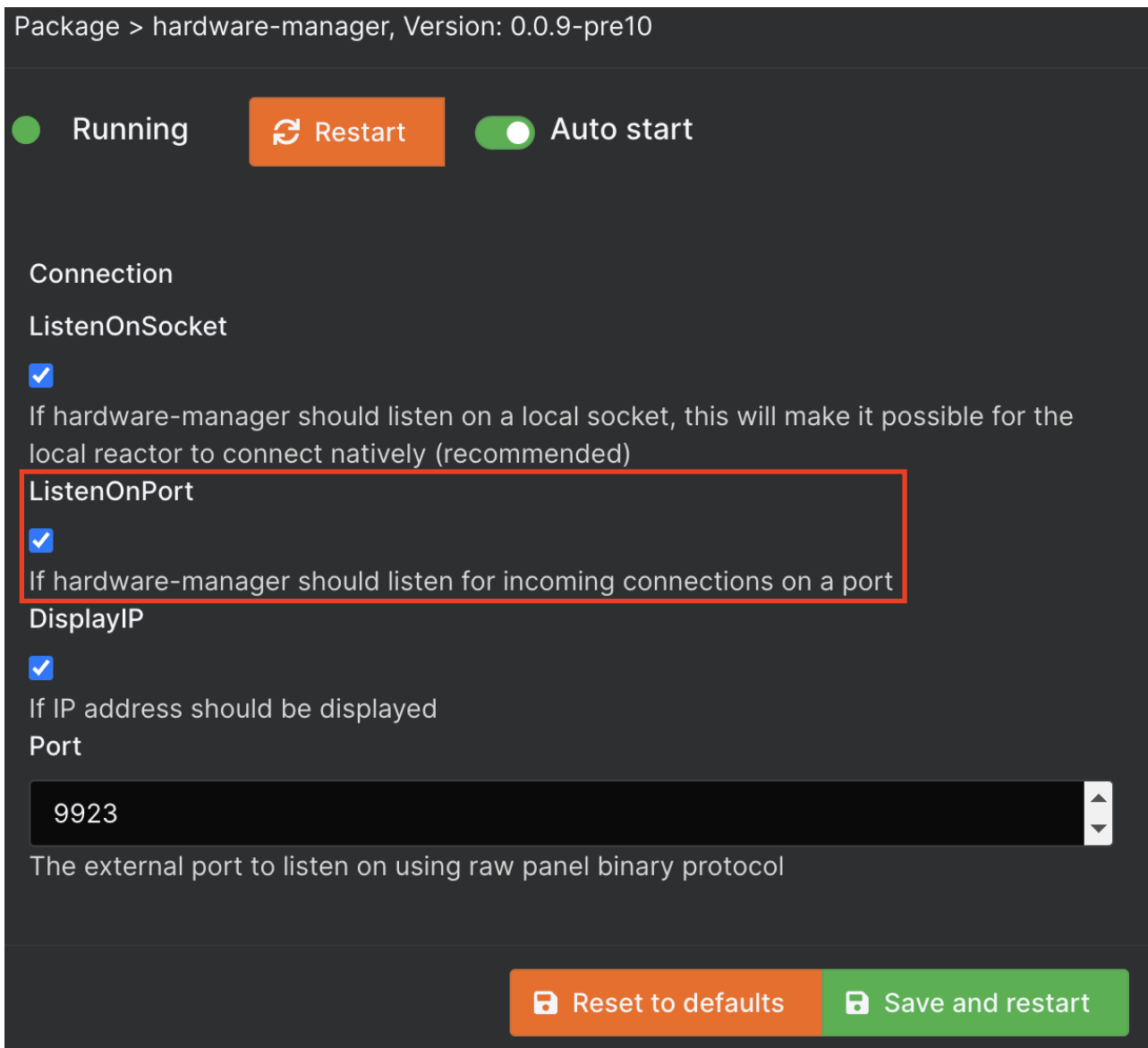
1. Stop Reactor



## 2. Disable Auto-Start



## 3. Enable Listen on Port in Hardware Manager



## 4. Save and restart

## 5. Add as normal panel to the main BP/BPI

Please Note, turning off Reactor will limit the page selections to Package and Settings. All other pages are part of the Reactor firmware package.



# Sharing Device Cores Across Different Blue Pills

For some workflows it may be necessary to have a package running on a one Blue Pill and use it on another.

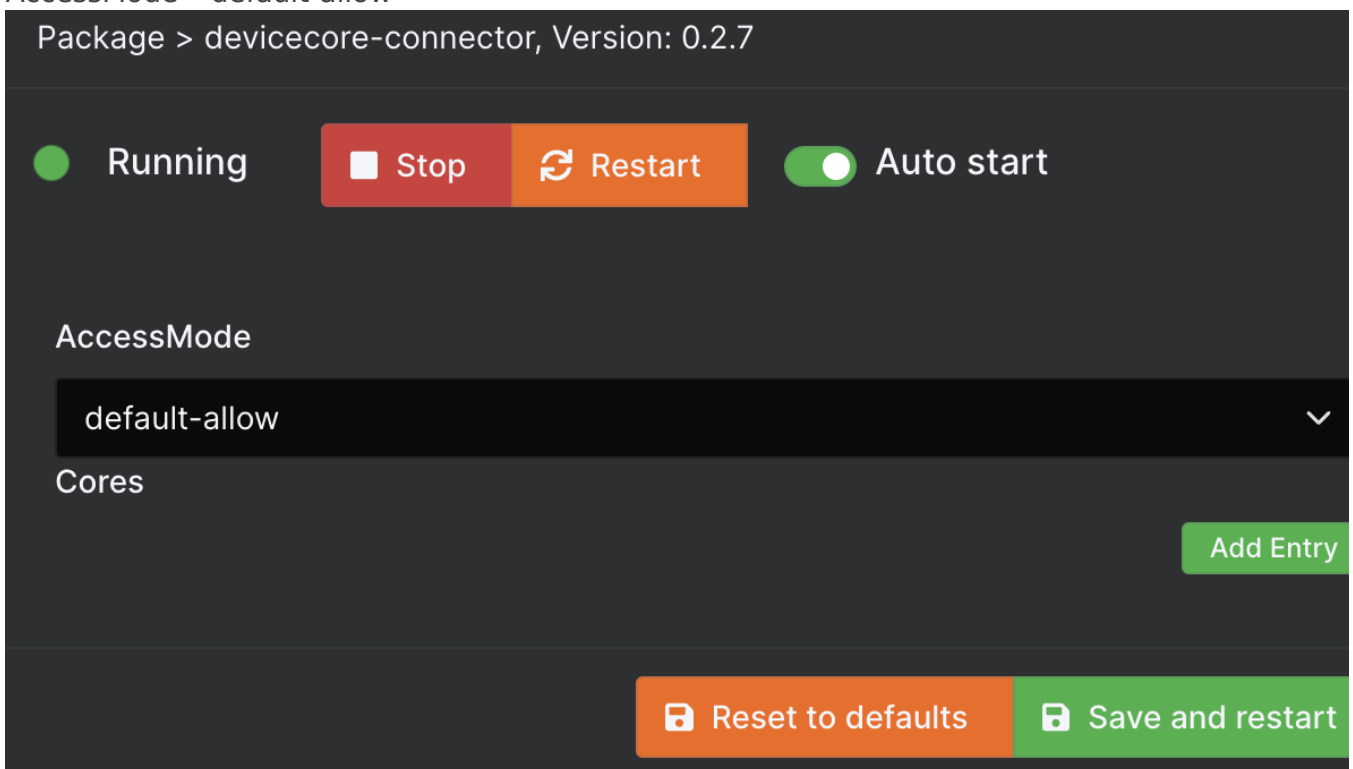
**Example 1:** You are controlling and Atem, and are on a different continent, the latency would probably not work well over the distance with Atem's own protocol, so you use the Blue Pill, then the Blue Pill to Blue Pill communication does handle latency better.

**Example 2:** When combining multiple Blue Pills at the cameras with Blue Pill Expansion Cables, you have to run the cores locally as they need serial access, but you probably want a central instance of reactor controlling all of them.

## Process:

To connect two BP/BPI devices when a device core/package is running on one but not the other:

1. Install DeviceCore-Connector package on the BP running the needed package
2. AccessMode= default-allow



3. On the BP not running the package, set an IP address of the Blue Pill device running the device core in the device core detail section of Devices

Canon XC

Development Status: released

Save Current State for Simulation

Parameter List

Autofix potential problems

Address

IP ADDRESS OF BLUE PILL DEVICE RUNNING THE CORE

Simulate

☐

i

Core specific config for this core is defined on a different bluepill. Please go to <http://IP ADDRESS OF BLUE PILL DEVICE RUNNING THE CORE> to configure this core

Core specific settings:

Persistent Storage

☐


Save thumbnails and preset settings between reboots, if disabled it will clear all saved data!

Delete

Save

Please note, it is important to have the Device IDs for each connected device match on every instance of Blue Pill it is located. This is what helps the Blue Pill properly identify each device. The Device ID will be unique per panel and per device core.

The Device ID is found in the Device Details for each connected device.



Missing IP  
Development status: beta

CR-N500

✕

Active

☒

Name

CR-N500

Device Id

1

Model Id

CR-N500

▼

Description

IP

192.168.10.223

The IP address of the Canon device

Username

The Username for the Canon device

Device Password

The password that is set on the device

👁

Delete

Discard

Save