


Parameter List- How To Read

The Parameter List gives a detailed breakdown of all of the supported parameters and the values available within.

The parameter list generated per device core, which is the controlling firmware package for the device's remote protocol. Multiple devices can be controlled by the same device core.

Find out how to access the parameter list per device core or per device here:
<https://wiki.skaarhoj.com/books/blue-pill-reactor/page/finding-device-core-parameter-lists>

Blue Pill Reactor

Device Core

RED RCP2

(Version v1.0.4-pre6)

Development status: released

Core for RED RCP2 cameras

ParameterCount: 119

Model: ALL

ParameterClass: ALL

Parameter	Komodo (1) Standard RED Komodo camera Development Status: released (55 params)	Komodo-X (3) Standard RED Komodo-X camera Development Status: released (58 params)	V-Raptor (2) Standard RED V-Raptor camera Development Status: released (119 params)	V-Raptor 8K VV (4) Standard RED V-Raptor 8K VV camera Supports Discovery Development Status: beta (119 params)
Audio				
Audio Gain Set Gain for Internal or External audio input audioGain	Control: (Has dynamic options) Feedback: Normal (Same) Dimensions: Source: (2) 1: Internal 2: External Direction: (2) 1: Left 2: Right SimpleParam Used in config			
Audio Source Set/Get Audio Source audioSource	Control: 0:None 1:Internal 2:External Feedback: Normal (Same) SimpleParam Used in config		Control: 0:None 1:Internal 2:External Feedback: Normal (Same) SimpleParam Used in config	
Link Left & Right Gain Link Right and Left Gain channel for Internal or External audio LinkGain	Control: Binary Feedback: Normal (Same) Dimensions: Source: (2) 1: Internal 2: External SimpleParam Used in config			
Broadcast R3D/Bar				
Parameter	Komodo	Komodo-X	V-Raptor	V-Raptor 8K VV
Bars Enable Bars Enable adjustment bars			Control: Binary Feedback: Normal (Same) Used in config	

At the top of the Parameter List page is listed details about the core overall. Here you find the Core Name, Firmware Version used for the list (will be the most recent), development status of the core, a general description of the core, the number of parameters available (each contained model can have different amounts), which model the list is showing (or all), and what type of parameters you are seeing (or all).

RED RCP2

(Version v1.0.4-pre6)

Development status: released

Core for RED RCP2 cameras

ParameterCount: 119

Model:

ALL

ParameterClass:

ALL

Looking at the individually controlled devices there is more information on each one. Here you find the model name of the device, the internally used model number, a brief description of the unit, the development status for that specific model, and the number of available parameters for that model.

The development status for a specific model may differ from the device core's overall development status.
See further in this article for a breakdown of development status descriptions.

Komodo (1) Standard RED Komodo camera Development Status: released (55 params)	Komodo-X (3) Standard RED Komodo-X camera Development Status: released (56 params)	V-Raptor (2) Standard RED V-Raptor camera Development Status: released (119 params)	V-Raptor 8K VV (4) Standard RED V-Raptor 8K VV camera Supports Discovery Development Status: beta (119 params)
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Looking at the individually supported parameters there is the easy to read parameter name, general description of the parameter, and the internal parameter command name.

Audio Gain Set Gain for Internal or External audio input audioGain

Looking at the individually supported parameter details can give a lot of information about how we have control.

Control: The value range available

Feedback: What information we receive back from the camera

Dimensions: Sub parameters available, each with their own feedback and control

--- : Additional information such as the type of parameter it is (Simple or Helper) and if it is used in the configuration (only see when accessed via parameters from the configuration page of Reactor).

Control:
(has dynamic options)

Feedback:
Normal (Same)

Dimensions:
Source: (2)
1: Internals
2: Externals

Direction: (2)
1: Left
2: Right

SimpleParam

Used in config

The main part of the Parameter List is broken up in a grid fashion, with the parameters creating the rows and the devices forming the columns. For ease of reading, the rows are broken up into categories.

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Audio Gain Set Gain for Internal or External audio input audioGain	Control: (has dynamic options) Feedback: Normal (Same) Dimensions: Source: (2) 1: Internals 2: Externals ----- Direction: (2) 1: Left 2: Right ----- <div>SimpleParam</div> <div>Used in config</div>			
Audio Source Set/Get Audio Source audioSource	Control: 0:None 1:Internal 2:External Feedback: Normal (Same) <div>SimpleParam</div> <div>Used in config</div>	Control: 0:None 1:Internal 2:External 3:Ext+Int Feedback: Normal (Same) <div>SimpleParam</div> <div>Used in config</div>	Control: 0:None 1:Internal 2:External Feedback: Normal (Same) <div>SimpleParam</div> <div>Used in config</div>	
Link Left & Right Gain Link Right and Left Gain channel for Internal or External audio LinkGain	Control: Binary Feedback: Normal (Same) Dimensions: Source: (2) 1: Internal 2: External ----- <div>SimpleParam</div> <div>Used in config</div>			

Looking at the parameters, in the below example Audio Gain is supported by all four models of cameras and with the same value ranges and feedback. However, Audio Source, while still supported by all three models has a different value range for Komodo then for Komodo-X and V-Raptor.

Parameter	Komodo (1) Standard RED Komodo camera Development Status: released (55 params)	Komodo-X (3) Standard RED Komodo-X camera Development Status: released (56 params)	V-Raptor (2) Standard RED V-Raptor camera Development Status: released (119 params)	V-Raptor 8K VV (4) Standard RED V-Raptor 8K VV camera Supports Discovery Development Status: beta (119 params)
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Audio Source Set/Get Audio Source audioSource	Control: 0:None 1:Internal 2:External Feedback: Normal (Same) <div>SimpleParam</div> <div>Used in config</div>	Control: 0:None 1:Internal 2:External 3:Ext+Int Feedback: Normal (Same) <div>SimpleParam</div> <div>Used in config</div>	Control: 0:None 1:Internal 2:External Feedback: Normal (Same) <div>SimpleParam</div> <div>Used in config</div>	

When you see the below symbol, that parameter is not supported by the model of device.



Development Status

Each device core and individual device has a stated development status. Here you can see a description of all of the statuses.

CONCEPT, Early development

- Everything is allowed to change
- Core is not guaranteed to work
- Core is not guaranteed to be finalized
- Only pre-release, not enabled in Reactor yet
- Not officially supported, minimum help available from Support

BETA

- Core connects without issues
- Core is tested partly by the developer
- There is not necessary a configuration yet
- The core has a description, category, and correct name
- Parameter names can be changed if needed
- Only pre-release but enabled in Reactor
- Core is not guaranteed to be finalized
- Not officially supported, minimum help available from Support

RELEASED

- R&D has implemented everything needed for a stable release
- Device core is QC tested
- There is at least one configuration for the device core
- The core has been proofread, parameter names can not be changed any more
- The core has graphics
- Device test is implemented
- **The core is in Stable Release**

MATURE

- Feedback from customers does not indicate there are any major problem
- At Least 4 months since state RELEASED was set
- Partner approves of a Core after they have tested it on their side

CSV export

On Blue Pill devices, it is also possible to export a CSV file of all the parameters. To do this, add 'csv' in front of the corename in the url, such as:

<http://192.168.11.97/coremanual/csv/core-bmd-atem>

This file can then be opened and sorted in Excel or Google Sheets.

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