



Barco Event Master ToolSet API

2016-07-18

Firmware 3.2

The API is based on a JASON protocol base and is a protocol with functionality as opposed to a clean command protocol like a classic RS-232 protocol. It is meant to give support to integration effort for larger videowall installs.

The implementation of a control device is not a trivial task and should not be underestimated as Barco takes no responsibility for implementation efforts.

The following document is a clean copy from the information given by the processor itself once connected with a HTTP browser to the IP Address of the unit.

JSONRPC API Hosted on Port: 9999

listPresets

Accepts

params: {"ScreenDest":x , "AuxDest":x}, (x can be -2 for do not include any destinations of this type, -1 = do not care, 0-? = want to see the presets with the destination this particular id in it or array of ids)

Returns

response: Array of: [{"id": 0, "Name": "Preset3.00", "LockMode": 0, "presetSno": 3.00}, {"id": 1, "Name": "Preset4.00", "LockMode": 0, "presetSno": 4.00}]

success: (0=success, anything else an error)

Example

```
{"params":{"ScreenDest": 0}, "method":"listPresets", "id":"1234", "jsonrpc":"2.0"}
```

(lists Presets that contain Screen Destination index 0)

listDestinationsForPreset

Accepts

params: {"id": x}, (-1 = list all Presets, 0-999 = list only that specific preset #)

Returns

response: Array of: [{"id": 0, "Name": "Preset3.00", "LockMode": 0, "presetSno": 3.00, "ScreenDest":[{"id": 0}, {"id": 3}], "AuxDest":[{"id": 0}, {"id": 1}]]

success: (0=success, anything else an error)

Example

```
{ "params":{"id": 11}, "method":"listDestinationsForPreset", "id":"1234",  
"jsonrpc":"2.0"} (list content of Preset index 11)
```

savePreset**Accepts**

params: {"id": x, "Name": "NewPreset", "ScreenDestination":[{"id": 2}, {"id": 3}], "AuxDestination":[{"id": 1}, {"id": 2}]}

Returns

response: null

success: (0=success, anything else an error)

renamePreset**Accepts**

params: {"id": x, "Name": "NewPresetName"}

Returns

response: null

success: (0=success, anything else an error)

activatePreset**Accepts**

params: {"id": 0, "type": 0}, (id = Preset index, type: 0=Recall to Preview, 1=Recall directly in Program)

Returns

response: null

success: (0=success, anything else an error)

deletePreset

Accepts

params: {"id": 0}

Returns

response: null

success: (0=success, anything else an error)

listDestinations

Accepts

params: {"type": X} (x can be 0 = Screen and AUX, 1=Screen, 2=AUX)

Returns

response: Array of : {"ScreenDestination":[{"id": 0, "Name": "Dest1", "HSize": 3840, "VSize": 1080, "Layers": 1,"DestOutMapColl":[{"id": 0"DestOutMap":[{"id": 0, "Name": "Out1", "HPos": 0, "VPos": 0, "HSize": 1920, "VSize":1080, "Freeze": 0},{id": 1, "Name": "Out2", "HPos": 1920, "VPos": 0, "HSize": 1920, "VSize":1080, "Freeze": 1}]}]}], "AuxDestination":[{"id": 0, "AuxStreamMode": 4}, {"id": 1, "AuxStreamMode": 4}]}"

success: (0=success, anything else an error)

listSources

Accepts

params: {"type": X} (x can be 0=Input, 1=Background)

Returns

response: Array of : {"id": 0, "Name": "InSource1", "HSize": 3840, "VSize": 1080, "SrcType": 0, "InputCfgIndex": -1, "StillIndex": 0, "DestIndex": -1, "UserKeyIndex": -1, "Mode3D": 0, "Freeze": 1, "Capacity": 2, "InputCfgVideoStatus": 4}

success: (0=success, anything else an error)

listContent

Accepts

params: {"id": x} (x = ScreenDestination index #)

Returns

response: { "id": 0, "Name": "ScreenDest1""BGLyr":[{"id": 0, "LastBGSourceIndex": 0, "BGShowMatte":0, "BGColor":[{"id":0, "Red":0, "Green":0, "Blue":0}], {"id": 1, "LastBGSourceIndex": 0, "BGShowMatte":0, "BGColor":[{"id":0, "Red":0, "Green":0, "Blue":0}]}],(0 = PGM Background, 1 = PVW Background)"Layers":[{"id": 0, "LastSrcIdx": 0, "HPos": 0, "VPos": 0, "HSize": 400, "VSize": 300, "PvwMode": 0, "PgmMode": 0, "Freeze": 0, "FlexZOrder": 0,"LayerTrans":[{"id": 0, "TransTime": 30, "TransPos": 0}, {"id": 1, "TransTime": 30, "TransPos": 0}] , "3D": "Yes", "Freeze": 0, "Capacity": 2}]]}

success: (0=success, anything else an error)

changeContent

Accepts

params: {"id":0,"BGLyr":[{"id":0,"LastBGSourceIndex":0,"BGShowMatte":0,"BGColor":[{"id":0,"Red":0,"Green":0,"Blue":0}],{"id":1,"LastBGSourceIndex":0,"BGShowMatte":0,"BGColor":[{"id":0,"Red":0,"Green":0,"Blue":0}]}],"Layers":[{"id":0,"LastSrcIdx":0,"Window":{"HPos":0,"VPos":0,"HSize":400,"VSize":300},"Source":{"HPos":0,"VPos":0,"HSize":1920,"VSize":1080},"Mask":{"Left":0.01,"Right":10.1,"Top":0.0,"Bottom":0.0},"PvwMode":0,"PgmMode":0,"Freeze":0,"PgmZOrder":0,"PvwZOrder":0}]}

Returns

response: null

success: (0=success, anything else an error)

changeAuxContent

Accepts

params: {"id":0 , "Name": "AuxDest1" , "PvwLastSrcIndex": 0 , "PgmLastSrcIndex": 1}

Returns

response: null

success: (0=success, anything else an error)

freezeDestSource

Accepts

params: {"type": x, (x can be 0=Input Source, 1=Background Source, 2=ScreenDestination, 3=AUXDestination)"id": y, (y is the source / dest id),"screengroup": z,"mode": 0 (1=Freeze, 0=UnFreeze)}

Returns

response: null

success: (0=success, anything else an error)

listStill

Accepts

params: null

Returns

response: Array of: {"id": 0, "Name": "Still1", HSize": 1920, "VSize": 1080}, {"id": 1, "Name": "Still2", HSize": 1920, "VSize": 1080}

success: (0=success, anything else an error)

deleteStill

Accepts

params: {"id": 0} (id is file index)

Returns

response: Array of: {"id": 0, "Name": "Preset3.00", "LockMode": 0, "presetSno": 3.00}, {"id": 1, "Name": "Preset4.00", "LockMode": 0, "presetSno": 4.00}

success: (0=success, anything else an error)

Example

{"params":{"id": 50}, "method":"deleteStill", "id":"1234", "jsonrpc":"2.0"} (delete still in file index 50)

takeStill

Accepts

params: {"type": x, "id": y, "file": z}, (x can be 0=Source) (y is the source id) (z is file # of still to be created/overwritten)

Returns

response: null

success: (0=success, anything else an error)

Example

```
{"params":{"type": 0, "id": 4, "file": 50}, "method":"takeStill", "id":"1234",  
"jsonrpc":"2.0"} (capture still from source index 4, into file index 50)
```

getFrameSettings

Accepts

params: {}

Returns

response: "System":{"id":0,"Name":"System1","FrameCollection":{"id":0,"Frame":{"id":"08:00:27:58:45:43","Name":"E2","Version":"2.8.18918"}}}

success: (0=success, anything else an error)

listAuxContent

Accepts

params: {"id": x} (x = AuxDestination1 index #)

Returns

response: { "id": 0, "Name": "AuxDest1", "PvwLastSrcIndex": "0", "PgmLastSrcIndex": "1" }

success: (0=success, anything else an error)

Disclaimer:

Barco NV or its subsidiaries does not assume any responsibility for the use and implementation of this protocol.