ClickShare

API Manual

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BARCO

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1. CLICKSHARE REST API INTRODUCTION

1.1 Introduction

Overview

The ClickShare CSE-200, CSC-1 and CSM-1 devices support a Representation State Transfer Application Programming Interface (REST API) to query and control a number of parameters.

The REST API is structured as a tree of nodes. A node that has children is a called a branch node. Nodes that don't have any children are called leaf nodes. The following functionalities are provided:

- Retrieve a list of children of each node;
- Get the value of a single leaf node;
- Retrieve a sub tree of a tree node;
- Change the value of a single leaf;
- Change the value of multiple leaf nodes using one command;
- Query information on the current and available versions of the API.

The minimum required firmware version for CSE-200 is 1.2.0, for CSC-1 is 1.5.0 and for CSM-1 is 1.2.0

Using cURL in the Examples

Different tools can be used to interact with the REST API. The examples in this manual will use the open source tool cURL (http://curl.haxx.se/download.html).

For example, to get the meeting room location as it appears on screen, the following command can be used:

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X GET
https://10.192.34.102:4001/v1.0/OnScreenText/Location
```

And to change the location:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.102:4001/v1.0/OnScreenText/Location --data "value=Washington"
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X GET
http://10.192.34.102:4000/v1.0/OnScreenText/Location
```

And to change the location:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.34.102:4000/v1.0/OnScreenText/Location --data "value=Washington"
```

Security

The ClickShare CSE-200 Base Unit introduced improved security features and limits REST API accessibility to the HTTPS protocol. For the ClickShare CSC-1 and CSM-1 the REST API command should be accessed using the HTTP protocol. All examples provided in this manual are using the HTTPS protocol. By changing the protocol prefix in the url from https:// to http://, the same commands can be used on the ClickShare CSC-1 and CSM-1.

Authentication

The username to be used to access the REST API is 'integrator'. The password for this user is by default also 'integrator', but this can be changed from within the Maintenance/Password page of the Base Unit's web interface.

The ClickShare REST API uses HTTP Digest authentication to prevent the username and password from being sent over the wire in clear text.

To use HTTP Digest authentication with cURL, use the command line option '–digest'.

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.34.102:4000/v1.0/OnScreenText/Location --data "value=Washington"
```

For **CSE-200**

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.102:4001/v1.0/OnScreenText/Location --data "value=Washington"
```

Versioning

The current version of the API is v1.0. Future ClickShare firmware versions might have a newer version of the API.

The current version of the API can be retrieved using the *CurrentVersion* parameter.

Request	GET/CurrentVersion

Response	<pre>{
	  "status": 200,
	  "message": "GET successful",
	  "data": {
	  "key": "/CurrentVersion",
	  "value": "v1.0"
	  }
	}</pre>

A ClickShare firmware version can support multiple versions of the API. A list of supported versions can be retrieved using the *SupportedVersions* parameter.

Request	GET/SupportedVersions

Response	<pre>{
	  "status": 200,
	  "message": "GET successful",
	  "data": {
	  "key": "/SupportedVersions",
	  "value": [
	  "v1.0"
	  ]
	  }
	}</pre>

Return Codes and Messages

When a REST command fails, an error code and message will be returned. Next to the generic error messages in the table below, there are also a number of node specific error messages (e.g. "Channel 111 is not allowed in the 2.4 GHz band.").

Status No	**Message**	**Possible reason**
200	GET successful PUT successful	GET or PUT action is done without any error.
400	Format is not valid	Format of the entered value is not matching with the format that is expected by the Base Unit.
403	Resource is not writable	This error occurs when a parameter is PUT while it is not a settable parameter in the Base Unit.
404	Resource does not exist	The node or the leaf node is not found.
500	Internal server error	Indicates that there is an internal problem occurred in the Base Unit while processing the request.

1.2 Getting parameters using the REST API

Getting a Single Parameter

A single parameter can be retrieved using the URL of a leaf node.

Example

Use the following command to get the value of the MeetingRoomName leaf node.

For **CSE-200** :

```
curl -u integrator:integrator --basic -k -i -X GET
https://192.168.2.1:4001/v1.0/OnScreenText/MeetingRoomName
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X GET
http://192.168.2.1:4000/v1.0/OnScreenText/MeetingRoomName
```

Request	GET /v1.0/OnScreenText/MeetingRoomName

Response	{
	"status": 200,
	"message": "GET successful",
	"data": {
	"key": "/v1.0/OnScreenText/MeetingRoomName",
	"value": "Meeting Room Picasso"
	}
	}

Getting Multiple Parameters

A full sub tree of a node can be retrieved using the URL of the branch node.

Example

Use the following command to get the full OnScreenText subtree.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X GET
https://192.168.2.1:4001/v1.0/OnScreenText
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X GET
http://192.168.2.1:4000/v1.0/OnScreenText
```

Request	GET /v1.0/OnScreenText

Response	{
	"status": 200,
	"message": "GET successful",
	"data": {
	"key": "/v1.0/OnScreenText",
	"value": {
	"Language": "English",
	"Location": "New York",
	"MeetingRoomName": "Meeting Room Picasso",
	"ShowMeetingRoomInfo": true,
	"ShowNetworkInfo": true,
	"SupportedLanguages": "Arabic,Simplified Chinese,Traditional Chinese,Danish,
	Dutch,English,Finnish,French,German,Italian,Japanese,Korean,Norwegian,
	Portuguese,Russian,Spanish,Swedish",
	"WelcomeMessage": "Welcome!"
	}
	}
	}

The complete REST API tree with all its sub nodes and values can be retrieved by providing just the version number as URL (/v1.0).

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X GET
https://192.168.2.1:4001/v1.0
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X GET
http://192.168.2.1:4000/v1.0
```

Getting the Children of a Node

To get a list of the direct children of a branch node, append '/' to the URL.

Example

Use the following command to get the children of the OnScreenText node.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X GET
https://192.168.2.1:4001/v1.0/OnScreenText/
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X GET
http://192.168.2.1:4000/v1.0/OnScreenText/
```

Request	GET /v1.0/OnScreenText

Response	{
	"status": 200,
	"message": "GET successful",
	"data": {
	"key": "/v1.0/OnScreenText/",
	"value": [
	"Language",
	"Location",
	"MeetingRoomName",
	"ShowMeetingRoomInfo",
	"ShowNetworkInfo",
	"SupportedLanguages",
	"WelcomeMessage"
	]
	}
	}

1.3 Setting Parameters using the REST API

Setting a Single Parameter

A single parameter can be changed using the URL of a leaf node.

Example

The example below changes the host name of the ClickShare baseunit to “ExampleNetworkHostName”.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.51:4001/v1.0/Network/Lan/Hostname --data 'value=ExampleNetworkHostName'
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.34.51:4000/v1.0/Network/Lan/Hostname --data 'value=ExampleNetworkHostName'
```

Setting Multiple Parameters

It is also possible to set multiple parameters in one PUT command. To do this, the URL should correspond with the highest common node of all leaf nodes that need to be changed. The value argument should be a json tree object. Only the parameters that need changing should be provided.

Example 1

To set the wifi band and channel at the same time, the /Network/Wlan node can be used as URL as it is the common root node of both parameters.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.102:4001/v1.0/Network/Wlan --data 'value={"Frequency": "2.4 GHz", "Channel":6}'
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.34.102:4000/v1.0/Network/Wlan --data 'value={"Frequency": "2.4 GHz", "Channel":6}'
```

Example 2

To change both the welcome message and turn off the audio, the URL of the root node should be provided.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://192.168.1.23:4001/v1.0 --data 'value={"OnScreenText":{"WelcomeMessage":"Welcome!"},
"Audio":{"Enabled":true}}'
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://192.168.1.23:4000/v1.0 --data 'value={"OnScreenText":{"WelcomeMessage":"Welcome!"},
"Audio":{"Enabled":true}}'
```

1.4 Updating the ClickShare Base Unit Firmware

Overview

There are two steps to be followed when updating the firmware of the Clickshare Base Unit via the REST API.

In the first step, the location where the Base Unit firmware can be downloaded is provided.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.51:4001/v1.0/Software/UpdateUrl --data
'value=https://www.barco.com/tde/(1422091160031521)/R33050020/001004000574/Barco_Drivers
Firmware_R33050020_v01.04.00.574__ClickShare-CSC-1-Base-Unit-Firmware.zip'
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.34.51:4000/v1.0/Software/UpdateUrl --data
'value=https://www.barco.com/tde/(1422091160031521)/R33050020/001004000574/Barco_Drivers
Firmware_R33050020_v01.04.00.574__ClickShare-CSC-1-Base-Unit-Firmware.zip'
```

In the second step, the updating process is started.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.51:4001/v1.0/Software/StartUpdate --data 'value=true'
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.34.51:4000/v1.0/Software/StartUpdate --data 'value=true'
```

Both steps can also be combined into one REST command:

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.51:4001/v1.0/Software --data
'value={"UpdateUrl":"https://www.barco.com/tde/(1422091160031521)/R33050020/001004000574/Barco_
DriversFirmware_R33050020_v01.04.00.574__ClickShare-CSC-1-Base-Unit-Firmware.zip", "StartUpdate":true}'
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.34.51:4000/v1.0/Software --data
'value={"UpdateUrl":"https://www.barco.com/tde/(1422091160031521)/R33050020/001004000574/Barco_
DriversFirmware_R33050020_v01.04.00.574__ClickShare-CSC-1-Base-Unit-Firmware.zip", "StartUpdate":true}'
```

1.5 Updating the ClickShare Base Unit Configuration

Overview

The configuration of the Base Unit can be changed, backed up, exported or reset to its default state via the REST API. Except for the reset action, a URL to download or upload the configuration file is required before starting any of those actions.

Example 1

Resetting the configuration of the Base Unit to its factory defaults can be done using the following curl command. Note that the Base Unit will automatically restart after this call.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.8.171:4001/v1.0/Configuration/SetAction --data "value=Reset"
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.8.171:4000/v1.0/Configuration/SetAction --data "value=Reset"
```

Example 2

The steps listed below should be followed to upload a configuration to the Base Unit.

First the location of the configuration file should be provided.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.8.171:4001/v1.0/Configuration/SetActionUrl
--data "value=ftp://kndgrt01.barco.com/configuration.xml"
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
```

```
http://10.192.8.171:4000/v1.0/Configuration/SetActionUrl
--data "value=ftp://kndgrt01.barco.com/configuration.xml"
```

Next the upload should be initiated.

For **CSE-200**:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.8.171:4001/v1.0/Configuration/SetAction --data "value=Upload"
```

For **CSC-1** and **CSM-1**:

```
curl -u integrator:integrator --digest -i -X PUT
http://10.192.8.171:4000/v1.0/Configuration/SetAction --data "value=Upload"
```

2. API VERSION V1.0

2.1 Audio

Description:

The Audio branch node.

2.1.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Audio/Enabled	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.0/Audio/Output	string/enumeration	GET/PUT	-	-

2.1.2 /v1.0/Audio/Enabled

Description:

Indicates if audio is enabled. After this setting is changed, the Buttons must be re-paired before the setting becomes active.

Resource type:

boolean

2.1.3 /v1.0/Audio/Output

Description:

Selects the output to be used to play audio. If 'Analog' is chosen, the audio will be sent to the audio jack. If 'Digital' is chosen, the audio will be sent to the DisplayPort output.

Resource type:

string/enumeration ("Analog", "Digital")

2.2 Buttons

Description:

The Buttons branch node

2.2.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Buttons/ButtonCount	integer	GET	GET	GET
/v1.0/Buttons/ButtonTable	json	GET	GET	GET
/v1.0/Buttons/ButtonTable/[index]	integer	GET	GET	GET
/v1.0/Buttons/ButtonTable/[index]/Connected	boolean	GET	GET	GET
/v1.0/Buttons/ButtonTable/[index]/ConnectionCount	integer	GET	GET	GET
/v1.0/Buttons/ButtonTable/[index]/FirmwareVersion	string	GET	GET	GET

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Buttons/ButtonTable/[index]/LastConnected	string/time	GET	-	GET
/v1.0/Buttons/ButtonTable/[index]/LastPaired	string/time	GET	-	GET
/v1.0/Buttons/ButtonTable/[index]/MacAddress	string/macaddress	GET	GET	GET
/v1.0/Buttons/ButtonTable/[index]/SerialNumber	string	GET	GET	GET
/v1.0/Buttons/ButtonTable/[index]/Status	string/enumeration	GET	GET	GET

2.2.2 /v1.0/Buttons/ButtonCount

Description:

The number of Buttons in the ButtonTable list.

Resource type:

integer

2.2.3 /v1.0/Buttons/ButtonTable

Description:

List of Buttons that were paired with this Base Unit. Buttons that have been paired using the Button Manager will only appear in this list when the Button first connects with the Base Unit after pairing.

Resource type:

json

2.2.4 /v1.0/Buttons/ButtonTable/[index]

Description:

The index of the Button in the ButtonTable list.

Resource type:

integer

2.2.5 /v1.0/Buttons/ButtonTable/[index]/Connected

Description:

Indicates if the Button is currently connected to this Base Unit.

Resource type:

boolean

2.2.6 /v1.0/Buttons/ButtonTable/[index]/ConnectionCount

Description:

The number of times this Button has been connected to this Base Unit.

Resource type:

integer

2.2.7 /v1.0/Buttons/ButtonTable/[index]/FirmwareVersion

Description:

The firmware version of the Button.

Resource type:

string

2.2.8 /v1.0/Buttons/ButtonTable/[index]/LastConnected

Description:

The date and time that this Button was last connected to this Base Unit.

Resource type:

string/time (YYYY-MM-DDTHH:MM:SS)

2.2.9 /v1.0/Buttons/ButtonTable/[index]/LastPaired

Description:

The date and time that this Button was last paired by this Base Unit. Buttons that have been paired using the Button Manager will give the date and time of the first connection with the Base Unit after pairing.

Resource type:

string/time (YYYY-MM-DDTHH:MM:SS)

2.2.10 /v1.0/Buttons/ButtonTable/[index]/MacAddress

Description:

The MAC address of the Button.

Resource type:

string/macaddress

2.2.11 /v1.0/Buttons/ButtonTable/[index]/SerialNumber

Description:

The serial number of the Button.

Resource type:

string

2.2.12 /v1.0/Buttons/ButtonTable/[index]/Status

Description:

The firmware and software status of the Button. A value of ’OK’ means that Button firmware and software are up to date. A value of ’ERROR’ means that the Button firmware version is probably incompatible with the Base Unit firmware version and need updating. A value of ’WARNING’ means that the firmware and software on the Button is not the same as the one on the Base Unit, but they should be compatible and updating is not strictly required.

Resource type:

string/enumeration ("ERROR", "OK", "WARNING")

2.3 Configuration

Description:

The Configuration branch node.

2.3.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Configuration/RestartSystem	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.0/Configuration/ShutdownSystem	boolean	GET/PUT	GET/PUT	-

2.3.2 /v1.0/Configuration/RestartSystem

Description:

Set this parameter to 'true' to restart the Base Unit.

Resource type:

boolean

2.3.3 /v1.0/Configuration/ShutdownSystem

Description:

Set this parameter to 'true' to shut down the Base Unit.

Resource type:

boolean

2.4 DeviceInfo

Description:

The DeviceInfo branch node.

2.4.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/DeviceInfo/ArticleNumber	string	GET	GET	GET
/v1.0/DeviceInfo/CurrentUptime	integer	GET	GET	GET
/v1.0/DeviceInfo/FirstUsed	string/time	GET	-	GET
/v1.0/DeviceInfo/InUse	boolean	GET	GET	GET
/v1.0/DeviceInfo/LastUsed	string/time	GET	-	GET
/v1.0/DeviceInfo/ModelName	string/enumeration	GET	GET	GET
/v1.0/DeviceInfo/Processes	json	GET	GET	GET
/v1.0/DeviceInfo/Processes/ProcessCount	integer	GET	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable	json	GET	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable/[index]	integer	GET	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable/[index]/Name	string	GET	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable/[index]/Status	boolean	GET	GET	GET
/v1.0/DeviceInfo/Sensors	json	GET	-	GET
/v1.0/DeviceInfo/Sensors/CaseFanSpeed	float	GET	-	-

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/DeviceInfo/Sensors/CpuTemperature	float	GET	-	GET
/v1.0/DeviceInfo/Sensors/PcieTemperature	float	GET	-	-
/v1.0/DeviceInfo/Sensors/SioTemperature	float	GET	-	-
/v1.0/DeviceInfo/SerialNumber	string	GET	GET	GET
/v1.0/DeviceInfo/Sharing	boolean	GET	GET	GET
/v1.0/DeviceInfo/Status	integer	GET	GET	GET
/v1.0/DeviceInfo/StatusMessage	string	GET	GET	GET
/v1.0/DeviceInfo/TotalUptime	integer	GET	GET	GET

2.4.2 /v1.0/DeviceInfo/ArticleNumber

Description:

The Barco article number of this Base Unit.

Resource type:

string

2.4.3 /v1.0/DeviceInfo/CurrentUptime

Description:

The number of seconds since this Base Unit was last booted.

Resource type:

integer

2.4.4 /v1.0/DeviceInfo/FirstUsed

Description:

The date and time when this Base Unit was booted for the first time.

Resource type:

string/time (YYYY-MM-DDTHH:MM:SS)

2.4.5 /v1.0/DeviceInfo/InUse

Description:

Indicates if at least one source (Button, Link, mobile app, ...) is currently connected.

Resource type:

boolean

2.4.6 /v1.0/DeviceInfo/LastUsed

Description:

The date and time a Button was last connected to this Base Unit.

Resource type:

string/time (YYYY-MM-DDTHH:MM:SS)

2.4.7 /v1.0/DeviceInfo/ModelName

Description:

The model name of this Base Unit.

Resource type:

string/enumeration ("CSM-1", "CSC-1")

2.4.8 /v1.0/DeviceInfo/Processes

Description:

The Processes branch node.

Resource type:

json

2.4.9 /v1.0/DeviceInfo/Processes/ProcessCount

Description:

The number of processes in the ProcessTable list.

Resource type:

integer

2.4.10 /v1.0/DeviceInfo/Processes/ProcessTable

Description:

Table containing all monitored processes and their status.

Resource type:

json

2.4.11 /v1.0/DeviceInfo/Processes/ProcessTable/[index]

Description:

The index of the process in the ProcessTable list.

Resource type:

integer

2.4.12 /v1.0/DeviceInfo/Processes/ProcessTable/[index]/Name

Description:

The user friendly name of the process.

Resource type:

string

2.4.13 /v1.0/DeviceInfo/Processes/ProcessTable/[index]/Status

Description:

The status of the process. A value of ’true’ means that the process is running. A value of ’false’ means that the process is not running.

Resource type:

boolean

2.4.14 /v1.0/DeviceInfo/Sensors

Description:

The Sensors branch node.

Resource type:

json

2.4.15 /v1.0/DeviceInfo/Sensors/CaseFanSpeed

Description:

The current speed of the case fan in revolutions per minute (rpm).

Resource type:

float

2.4.16 /v1.0/DeviceInfo/Sensors/CpuTemperature

Description:

The current temperature of the CPU in degrees Celsius (°C).

Resource type:

float

2.4.17 /v1.0/DeviceInfo/Sensors/PcieTemperature

Description:

The current temperature of the PCIE in degrees Celsius (°C).

Resource type:

float

2.4.18 /v1.0/DeviceInfo/Sensors/SioTemperature

Description:

The current temperature of the SIO in degrees Celsius (°C).

Resource type:

float

2.4.19 /v1.0/DeviceInfo/SerialNumber

Description:

The serial number of this Base Unit.

Resource type:

string

2.4.20 /v1.0/DeviceInfo/Sharing

Description:

Indicates if at least one of the connected sources (Button, Link, mobile app, ...) is currently sharing content on the display.

Resource type:

boolean

2.4.21 /v1.0/DeviceInfo/Status

Description:

The health state of this Base Unit (0=OK, 1=warning, 2=error). If the status is not 0, more detailed information can be found in the 'StatusMessage' parameter.

Resource type:

integer

2.4.22 /v1.0/DeviceInfo/StatusMessage

Description:

The health message of this Base Unit.

Resource type:

string

2.4.23 /v1.0/DeviceInfo/TotalUptime

Description:

The total number of seconds that this Base Unit has been running.

Resource type:

integer

2.5 Display

Description:

The Display branch node.

2.5.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Display/DisplayTimeout	string/enumeration	GET/PUT	GET/PUT	GET/PUT
/v1.0/Display/HotPlug	boolean	GET/PUT	-	-
/v1.0/Display/Mode	string/enumeration	GET/PUT	-	-
/v1.0/Display/OutputCount	integer	GET	GET	GET
/v1.0/Display/OutputTable	json	GET	GET	GET
/v1.0/Display/OutputTable/[index]	integer	GET	GET	GET
/v1.0/Display/OutputTable/[index]/Connected	boolean	GET	-	GET
/v1.0/Display/OutputTable/[index]/Enabled	boolean	GET/PUT	-	GET/PUT
/v1.0/Display/OutputTable/[index]/NativeResolution	string	GET	-	GET
/v1.0/Display/OutputTable/[index]/Port	string	GET	GET	GET
/v1.0/Display/OutputTable/[index]/Position	integer	GET/PUT	-	GET/PUT
/v1.0/Display/OutputTable/[index]/Resolution	string	GET/PUT	GET/PUT	GET/PUT
/v1.0/Display/OutputTable/[index]/SupportedResolutions	string	GET	GET	GET
/v1.0/Display/ScreenSaverTimeout	string/enumeration	GET/PUT	GET/PUT	GET/PUT

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Display/ShowWallpaper	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.0/Display/StandbyState	boolean	GET/PUT	GET/PUT	GET/PUT

2.5.2 /v1.0/Display/DisplayTimeout

Description:

The period of inactivity in minutes after which the display output is disabled (standby mode). If this parameter is set to 'Infinite', the output is never disabled automatically.

Resource type:

string/enumeration ("Infinite", "1", "5", "10", "15", "20", "25", "30", "35", "40", "45", "50", "55", "60")

2.5.3 /v1.0/Display/HotPlug

Description:

Indicates if the Base Unit should automatically detect display changes. If disabled, the Base Unit should be restarted when a display is plugged or unplugged.

Resource type:

boolean

2.5.4 /v1.0/Display/Mode

Description:

If two screens are connected to the Base Unit, this parameter defines if the sources are spread over both screens ('Extended') or copied on both screens ('Clone').

Resource type:

string/enumeration ("Extended", "Clone")

2.5.5 /v1.0/Display/OutputCount

Description:

The number of outputs in the OutputTable list.

Resource type:

integer

2.5.6 /v1.0/Display/OutputTable

Description:

List of the outputs on the Base Unit.

Resource type:

json

2.5.7 /v1.0/Display/OutputTable/[index]

Description:

The index of the output in the OutputTable list.

Resource type:

integer

2.5.8 /v1.0/Display/OutputTable/[index]/Connected

Description:

Indicates if a screen is currently connected to this output.

Resource type:

boolean

2.5.9 /v1.0/Display/OutputTable/[index]/Enabled

Description:

Indicates if this output is enabled. This parameter can be changed in order to enable or disable this output.

Resource type:

boolean

2.5.10 /v1.0/Display/OutputTable/[index]/NativeResolution

Description:

The native resolution of the screen connected to this output. The resolution is provided as a string with the format '[hor]x[ver]'.

Resource type:

string

2.5.11 /v1.0/Display/OutputTable/[index]/Port

Description:

The name of the output.

Resource type:

string

2.5.12 /v1.0/Display/OutputTable/[index]/Position

Description:

If two displays are connected to the Base Unit, this parameter defines if this output should correspond to the left (1) or the right (2) image.

When two monitors are connected to the outputs of the ClickShare CSC-1 base unit, the relative position of each output can be specified using the URL '/v1.0/Display/OutputTable/*/Position' from the REST API. The positions of all monitors should be set in one single REST call and each monitor should be assigned a unique position.

The following example sets the position of output 1 to 2 and the position of output 2 to 1. This means that ClickShare will send the left image to output 2 and the right image to output 1.

```
curl -u integrator:integrator --digest -i -X PUT http://10.192.34.102:4000/v1.0/Display/Output-
Table --data "value={\"1\":{\"Position\":\"2\"},\"2\":{\"Position\":\"1\"}}"
```

Resource type:

integer

2.5.13 /v1.0/Display/OutputTable/[index]/Resolution

Description:

The requested resolution for this output. If this parameter is set to 'Auto', the native resolution (see NativeResolution) of the display will be used. A custom resolution can be set in the format 'Custom_[hor]x[ver]'.

Resource type:

string

2.5.14 /v1.0/Display/OutputTable/[index]/SupportedResolutions

Description:

Supported resolutions for the screen currently connected to this output.

Resource type:

string

2.5.15 /v1.0/Display/ScreenSaverTimeout

Description:

The period of inactivity in minutes after which the screen saver starts. If this parameter is set to 'Infinite', the screen saver is disabled. Otherwise, the value should be smaller than the value specified in 'DisplayTimeout'.

Resource type:

string/enumeration ("Infinite", "1", "5", "10", "15", "20", "25", "30", "35", "40", "45", "50", "55", "60")

2.5.16 /v1.0/Display/ShowWallpaper

Description:

Indicates if the wallpaper should be shown when no source is sharing or if the device should go into standby mode.

Resource type:

boolean

2.5.17 /v1.0/Display/StandbyState

Description:

The current standby status of the Base Unit. The Base Unit can be put on standby by setting this parameter to 'true'.

Resource type:

boolean

2.6 Integration

Description:

The Integration branch node

2.6.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Integration/Polycom	json	GET	GET	GET
/v1.0/Integration/Polycom/Enabled	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.0/Integration/Polycom/ErrorString	string	GET	GET	GET
/v1.0/Integration/Polycom/HostAddress	string/[ipaddress or hostname]	GET/PUT	GET/PUT	GET/PUT
/v1.0/Integration/Polycom/Port	integer	GET/PUT	GET/PUT	GET/PUT
/v1.0/Integration/Polycom/Status	integer	GET	GET	GET

2.6.2 /v1.0/Integration/Polycom

Description:

The Polycom branch node.

Resource type:

json

2.6.3 /v1.0/Integration/Polycom/Enabled

Description:

Indicates if the Polycom integration is enabled. Make sure to set 'HostAddress' and 'Port' before enabling the Polycom integration.

Resource type:

boolean

2.6.4 /v1.0/Integration/Polycom/ErrorString

Description:

Error message describing the problem with the Polycom unit. This parameter will only be non-empty if 'Status' is 2.

Resource type:

string

2.6.5 /v1.0/Integration/Polycom/HostAddress

Description:

Hostname or the IP address of the Polycom unit to connect with.

Resource type:

string/[ipaddress or hostname]

2.6.6 /v1.0/Integration/Polycom/Port

Description:

Telnet port number of the Polycom unit to connect with. This parameter is set to 24 by default.

Resource type:

integer

2.6.7 /v1.0/Integration/Polycom/Status

Description:

Status of the connection with the Polycom unit. 0: NOT CONNECTED, 1: CONNECTED, 2: ERROR OCCURRED. In case of an error, the error string can be read out from ErrorString.

Resource type:

integer

2.7 Link

Description:

The Link branch node.

2.7.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Link/LinkCount	integer	GET	-	GET
/v1.0/Link/LinkTable	json	GET	-	GET

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Link/LinkTable/[index]	integer	GET	-	GET
/v1.0/Link/LinkTable/[index]/AutoShowHide	boolean	GET/PUT	-	GET/PUT
/v1.0/Link/LinkTable/[index]/CalibrationParameters	string	GET/PUT	-	GET/PUT
/v1.0/Link/LinkTable/[index]/Connected	boolean	GET	-	GET
/v1.0/Link/LinkTable/[index]/HasSignal	boolean	GET	-	GET
/v1.0/Link/LinkTable/[index]/IsCalibrated	boolean	GET	-	GET
/v1.0/Link/LinkTable/[index]/LastConnected	string/time	GET	-	GET
/v1.0/Link/LinkTable/[index]/SerialNumber	string	GET	-	GET
/v1.0/Link/LinkTable/[index]/SourceName	string	GET/PUT	-	GET/PUT
/v1.0/Link/LinkTable/[index]/VersionNumber	string	GET	-	GET

2.7.2 /v1.0/Link/LinkCount

Description:

The number of Barco Link devices in the LinkTable list.

Resource type:

integer

2.7.3 /v1.0/Link/LinkTable

Description:

List of Barco Link devices that have been connected to this Base Unit at least once.

Resource type:

json

2.7.4 /v1.0/Link/LinkTable/[index]

Description:

The index into the Link list.

Resource type:

integer

2.7.5 /v1.0/Link/LinkTable/[index]/AutoShowHide

Description:

Indicates if this Link device should automatically show/hide based on the calibration.

Resource type:

boolean

2.7.6 /v1.0/Link/LinkTable/[index]/CalibrationParameters

Description:

The calibration data of this Link device. In order to obtain a valid calibration string, the calibration process should be manually executed on one device. The string can then be retrieved and pushed to other devices.

Resource type:

string

2.7.7 /v1.0/Link/LinkTable/[index]/Connected

Description:

Indicates if this Link is currently connected to this Base Unit.

Resource type:

boolean

2.7.8 /v1.0/Link/LinkTable/[index]/HasSignal

Description:

Indicates if this Link device currently gives a signal. If not, a default calibration will be used if 'AutoShowHide' is enabled.

Resource type:

boolean

2.7.9 /v1.0/Link/LinkTable/[index]/IsCalibrated

Description:

Indicates whether this Link device is already calibrated.

Resource type:

boolean

2.7.10 /v1.0/Link/LinkTable/[index]/LastConnected

Description:

Indicates the last time this Link device was connected to this Base Unit.

Resource type:

string/time (YYYY-MM-DDTHH:MM:SS)

2.7.11 /v1.0/Link/LinkTable/[index]/SerialNumber

Description:

Indicates the serial number of this Link device.

Resource type:

string

2.7.12 /v1.0/Link/LinkTable/[index]/SourceName

Description:

Indicates the source name of this Link device as it will appear on the screen.

Resource type:

string

2.7.13 /v1.0/Link/LinkTable/[index]/VersionNumber

Description:

Indicates the version number of this Link device.

Resource type:

string

2.8 Network

Description:

Network treenode.

2.8.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Network/Lan	json	GET	GET	GET
/v1.0/Network/Lan/Addressing	string/enumeration	GET/PUT	GET/PUT	GET/PUT
/v1.0/Network/Lan/DefaultGateway	string/ipaddress	GET/PUT	GET/PUT	GET/PUT
/v1.0/Network/Lan/Hostname	string/hostname	GET/PUT	GET/PUT	GET/PUT
/v1.0/Network/Lan/IpAddress	string/ipaddress	GET/PUT	GET/PUT	GET/PUT
/v1.0/Network/Lan/SubnetMask	string/ipaddress	GET/PUT	GET/PUT	GET/PUT
/v1.0/Network/Wlan	json	GET	-	GET
/v1.0/Network/Wlan/BroadcastSsid	boolean	GET/PUT	-	GET/PUT
/v1.0/Network/Wlan/Channel	integer	GET/PUT	-	GET/PUT
/v1.0/Network/Wlan/Frequency	string/enumeration	GET/PUT	-	GET/PUT
/v1.0/Network/Wlan/MacAddress	string/macaddress	GET	-	GET
/v1.0/Network/Wlan/Password	string	GET/PUT	-	GET/PUT
/v1.0/Network/Wlan/Ssid	string	GET/PUT	-	GET/PUT
/v1.0/Network/Wlan/SupportedChannels2400Mhz	string	GET	-	GET
/v1.0/Network/Wlan/SupportedChannels5000Mhz	string	GET	-	GET

2.8.2 /v1.0/Network/Lan

Description:

The Lan branch node.

Resource type:

json

2.8.3 /v1.0/Network/Lan/Addressing

Description:

If this parameter is set to ’DHCP’, the network connection is configured automatically through DHCP. If it is set to ’Static’, a fixed IP address should be specified using the ’IpAddress’ parameter.

Resource type:

string/enumeration ("Static", "DHCP")

2.8.4 /v1.0/Network/Lan/DefaultGateway

Description:

The default gateway. This parameter should only be changed if ’Addressing’ is set to ’Static’.

Resource type:

string/ipaddress

2.8.5 /v1.0/Network/Lan/Hostname

Description:

The hostname of the Base Unit. Hostnames are human-readable nicknames that correspond to the address of a device connected to a network.

Resource type:

string/hostname

2.8.6 /v1.0/Network/Lan/IpAddress

Description:

The IP address of the Base Unit. This parameter should only be changed if 'Addressing' is set to 'Static'.

Resource type:

string/ipaddress

2.8.7 /v1.0/Network/Lan/SubnetMask

Description:

The subnet mask appropriate for the local subnet. This parameter should only be changed if 'Addressing' is set to 'Static'.

Resource type:

string/ipaddress

2.8.8 /v1.0/Network/Wlan

Description:

The Wlan branch node.

Resource type:

json

2.8.9 /v1.0/Network/Wlan/BroadcastSsid

Description:

Indicates if the SSID will be broadcasted.

Resource type:

boolean

2.8.10 /v1.0/Network/Wlan/Channel

Description:

The wireless connection channel that is currently in use. Re-pairing the Buttons is not required when changing the frequency band or wireless connection channel.

Resource type:

integer

2.8.11 /v1.0/Network/Wlan/Frequency

Description:

The wireless network frequency band that is currently in use. It can be set to either '2.4 GHz' or '5 GHz'. Re-pairing the Buttons is not required when changing the frequency band or wireless connection channel.

Resource type:

string/enumeration ("2.4 GHz", "5 GHz")

2.8.12 /v1.0/Network/Wlan/MacAddress

Description:

MAC address of the wireless adapter of the Base Unit.

Resource type:

string/macaddress

2.8.13 /v1.0/Network/Wlan/Password

Description:

The password for the wireless network of the Base Unit.

Resource type:

string

2.8.14 /v1.0/Network/Wlan/Ssid

Description:

The public name (SSID) for the wireless network of the Base Unit.

Resource type:

string

2.8.15 /v1.0/Network/Wlan/SupportedChannels2400Mhz

Description:

List of the available channels in the 2.4 GHz band. The channels available in the list vary depending on the country code of the Base Unit.

Resource type:

string

2.8.16 /v1.0/Network/Wlan/SupportedChannels5000Mhz

Description:

List of the available channels in the 5.0 GHz band. The channels available in the list vary depending on the country code of the Base Unit.

Resource type:

string

2.9 OnScreenText

Description:

Contains all settings for on-screen displayed items.

2.9.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/OnScreenText/Language	string/enumeration	GET/PUT	GET/PUT	GET/PUT
/v1.0/OnScreenText/Location	string	GET/PUT	GET/PUT	GET/PUT
/v1.0/OnScreenText/MeetingRoom-Name	string	GET/PUT	GET/PUT	GET/PUT

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/OnScreenText/ShowMeetingRoomInfo	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.0/OnScreenText/ShowNetworkInfo	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.0/OnScreenText/SupportedLanguages	string	GET	GET	GET
/v1.0/OnScreenText/WelcomeMessage	string	GET/PUT	GET/PUT	GET/PUT

2.9.2 /v1.0/OnScreenText/Language

Description:

The language that will be used for all on-screen messages and the ClickShare Instructions wallpaper. The possible values can be retrieved using the SupportedLanguages parameter.

Resource type:

string/enumeration ("Arabic", "Simplified Chinese", "Traditional Chinese", "Danish", "Dutch", "English", "Finnish", "French", "German", "Italian", "Japanese", "Korean", "Norwegian", "Portuguese", "Russian", "Spanish", "Swedish")

2.9.3 /v1.0/OnScreenText/Location

Description:

The meeting room location that will be displayed in the left top corner of the screen when no content is being shared.

Resource type:

string

2.9.4 /v1.0/OnScreenText/MeetingRoomName

Description:

The meeting room name that will be displayed in the left top corner of the screen when no content is being shared.

Resource type:

string

2.9.5 /v1.0/OnScreenText/ShowMeetingRoomInfo

Description:

Indicates if meeting room information is shown on the wallpaper.

Resource type:

boolean

2.9.6 /v1.0/OnScreenText/ShowNetworkInfo

Description:

Indicates if network information is shown on the wallpaper.

Resource type:

boolean

2.9.7 /v1.0/OnScreenText/SupportedLanguages

Description:

The list of possible values that can be used for the ’Language’ parameter.

Resource type:

string

2.9.8 /v1.0/OnScreenText/WelcomeMessage

Description:

The welcome message that will be displayed in the left top corner of the screen when no content is being shared.

Resource type:

string

2.10 RemoteManagement

Description:

The RemoteManagement branch node.

2.10.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/RemoteManagement/Wlan-WebEnabled	boolean	GET/PUT	GET/PUT	GET/PUT

2.10.2 /v1.0/RemoteManagement/WlanWebEnabled

Description:

Indicates if the web interface can be accessed via the wireless interface.

Resource type:

boolean

2.11 Software

Description:

The Software branch node.

2.11.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.0/Software/FirmwareVersion	string	GET	GET	GET
/v1.0/Software/LastUpdated	string/time	GET	-	GET
/v1.0/Software/StartUpdate	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.0/Software/UpdateInProgress	boolean	GET	GET	GET
/v1.0/Software/UpdateIsSuccessful	boolean	GET	GET	GET
/v1.0/Software/UpdateProgressMes-sage	string	GET	GET	GET
/v1.0/Software/UpdateProgressValue	string	GET	GET	GET
/v1.0/Software/UpdateUrl	string	GET/PUT	GET/PUT	GET/PUT

2.11.2 /v1.0/Software/FirmwareVersion

Description:

The Base Unit software version.

Resource type:

string

2.11.3 /v1.0/Software/LastUpdated

Description:

Date and time of the last firmware update of the Base Unit.

Resource type:

string/time (YYYY-MM-DDTHH:MM:SS)

2.11.4 /v1.0/Software/StartUpdate

Description:

Set this value to ’true’ to trigger a software update using the software image available at the the location specified by ’UpdateUrl’.

Resource type:

boolean

2.11.5 /v1.0/Software/UpdateInProgress

Description:

Indicates if a software update is currently in progress.

Resource type:

boolean

2.11.6 /v1.0/Software/UpdateIsSuccessful

Description:

Indicates if the software update process finished successfully.

Resource type:

boolean

2.11.7 /v1.0/Software/UpdateProgressMessage

Description:

Current update message shown on Base Unit display.

Resource type:

string

2.11.8 /v1.0/Software/UpdateProgressValue

Description:

Current state of the ongoing update process.

Resource type:

string

2.11.9 /v1.0/Software/UpdateUrl

Description:

The URL where the software image is available for download.

Resource type:

string

3. API VERSION V1.1

3.1 Buttons

Description:

The Buttons branch node

3.1.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.1/Buttons/ButtonTable/[index]/IpAddress (new)	string/ipaddress	GET	GET	GET
/v1.1/Buttons/UpdateOverWiFi (new)	boolean	GET/PUT	GET/PUT	GET/PUT

3.1.2 /v1.1/Buttons/ButtonTable/[index]/IpAddress (new)

Description:

The IP address of the Button.

Resource type:

string/ipaddress

3.1.3 /v1.1/Buttons/UpdateOverWiFi (new)

Description:

Enable/Disable button update over wifi. If disabled, the Buttons will not be updated automatically when the Base Unit firmware is updated.

Resource type:

boolean

3.2 Network

Description:

Network treenode.

3.2.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.1/Network/Wlan (modified)	json	GET	GET	GET
/v1.1/Network/Wlan/BroadcastSsid (modified)	boolean	GET/PUT	GET	GET/PUT
/v1.1/Network/Wlan/Channel (modified)	integer	GET/PUT	GET	GET/PUT
/v1.1/Network/Wlan/Frequency (modified)	string/enumeration	GET/PUT	GET	GET/PUT
/v1.1/Network/Wlan/MacAddress (modified)	string/macaddress	GET	GET	GET

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.1/Network/Wlan/Password (modified)	string	GET/PUT	GET	GET/PUT
/v1.1/Network/Wlan/Ssid (modified)	string	GET/PUT	GET	GET/PUT
/v1.1/Network/Wlan/SupportedChannels2400Mhz (modified)	string	GET	GET	GET
/v1.1/Network/Wlan/SupportedChannels5000Mhz (modified)	string	GET	GET	GET

3.2.2 /v1.1/Network/Wlan (modified)

Description:

The Wlan branch node.

Resource type:

json

3.2.3 /v1.1/Network/Wlan/BroadcastSsid (modified)

Description:

Indicates if the SSID will be broadcasted.

Resource type:

boolean

3.2.4 /v1.1/Network/Wlan/Channel (modified)

Description:

The wireless connection channel that is currently in use. Re-pairing the Buttons is not required when changing the frequency band or wireless connection channel.

Resource type:

integer

3.2.5 /v1.1/Network/Wlan/Frequency (modified)

Description:

The wireless network frequency band that is currently in use. It can be set to either ’2.4 GHz’ or ’5 GHz’. Re-pairing the Buttons is not required when changing the frequency band or wireless connection channel.

Resource type:

string/enumeration ("2.4 GHz", "5 GHz")

3.2.6 /v1.1/Network/Wlan/MacAddress (modified)

Description:

MAC address of the wireless adapter of the Base Unit.

Resource type:

string/macaddress

3.2.7 /v1.1/Network/Wlan/Password (modified)

Description:

The password for the wireless network of the Base Unit.

Resource type:

string

3.2.8 /v1.1/Network/Wlan/Ssid (modified)

Description:

The public name (SSID) for the wireless network of the Base Unit.

Resource type:

string

3.2.9 /v1.1/Network/Wlan/SupportedChannels2400Mhz (modified)

Description:

List of the available channels in the 2.4 GHz band. The channels available in the list vary depending on the country code of the Base Unit.

Resource type:

string

3.2.10 /v1.1/Network/Wlan/SupportedChannels5000Mhz (modified)

Description:

List of the available channels in the 5.0 GHz band. The channels available in the list vary depending on the country code of the Base Unit.

Resource type:

string

3.3 OnScreenText

Description:

Contains all settings for on-screen displayed items.

3.3.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.1/OnScreenText/ShowSourceName (new)	boolean	GET/PUT	GET/PUT	GET/PUT

3.3.2 /v1.1/OnScreenText/ShowSourceName (new)

Description:

Indicates if the name of the source that starts sharing should appear on-screen for a short period of time.

Resource type:

boolean

4. API VERSION V1.2

4.1 ClientAccess

Description:

Client Access Settings

4.1.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.2/ClientAccess/Status (new)	boolean	GET	GET	GET

4.1.2 /v1.2/ClientAccess/Status (new)

Description:

Disable Apps

Resource type:

boolean

4.2 Network

Description:

Network treenode.

4.2.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.2/Network/Wlan/SignalStrength (new)	integer	GET/PUT	GET/PUT	GET/PUT

4.2.2 /v1.2/Network/Wlan/SignalStrength (new)

Description:

Percentage of the maximum allowex Tx Poxer value currently used

Resource type:

integer

4.3 Time

Description:

The Time branch node

4.3.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.2/Time/Enable (new)	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.2/Time/NTPServer1 (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.2/Time/NTPServer2 (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.2/Time/NTPServer3 (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.2/Time/NTPServer4 (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.2/Time/NTPServer5 (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.2/Time/Status (new)	string	GET	GET	GET

4.3.2 /v1.2/Time/Enable (new)

Description:

Enable option for NTP

Resource type:

boolean

4.3.3 /v1.2/Time/NTPServer1 (new)

Description:

NTP Server 1 address

Resource type:

string

4.3.4 /v1.2/Time/NTPServer2 (new)

Description:

NTP Server 2 address

Resource type:

string

4.3.5 /v1.2/Time/NTPServer3 (new)

Description:

NTP Server 3 address

Resource type:

string

4.3.6 /v1.2/Time/NTPServer4 (new)

Description:

NTP Server 4 address

Resource type:

string

4.3.7 /v1.2/Time/NTPServer5 (new)

Description:

NTP Server 5 address

Resource type:

string

4.3.8 /v1.2/Time/Status (new)

Description:

Status for NTP

Resource type:

string

4.4 Wallpapers

Description:

The Wallpapers branch node.

4.4.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.2/Wallpapers/BarcoWallpapers (new)	json	GET	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersNumber (new)	integer	GET	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables (new)	json	GET	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index] (new)	integer	GET	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index]/Filename (new)	string	GET	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index]/URL (new)	string	GET	GET	GET
/v1.2/Wallpapers/CurrentWallpaper (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.2/Wallpapers/UpLoadSetStart (new)	boolean	GET/PUT	GET/PUT	GET/PUT
/v1.2/Wallpapers/UpLoadUrl (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.2/Wallpapers/UserWallpapers (new)	json	GET	GET	GET
/v1.2/Wallpapers/UserWallpapers/WallpapersNumber (new)	integer	GET	GET	GET
/v1.2/Wallpapers/UserWallpapers/WallpapersTables (new)	json	GET/DELETECHILD	GET/DELETECHILD	GET/DELETECHILD
/v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index] (new)	integer	GET/DELETE	GET/DELETE	GET/DELETE
/v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index]/Filename (new)	string	GET	GET	GET
/v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index]/URL (new)	string	GET	GET	GET

4.4.2 /v1.2/Wallpapers/BarcoWallpapers (new)

Description:

Contains the wallpaper of Barco that are in the baseunit by default.

Resource type:

json

4.4.3 /v1.2/Wallpapers/BarcoWallpapers/WallpapersNumber (new)

Description:

Indicates the number of Barco wallpapers available in the baseunit.

Resource type:

integer

4.4.4 /v1.2/Wallpapers/BarcoWallpapers/WallpapersTables (new)

Description:

Tree with all Barco wallpapers that are available in the baseunit.

Resource type:

json

4.4.5 /v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index] (new)

Description:

The index into the Link list.

Resource type:

integer

4.4.6 /v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index]/Filename (new)

Description:

Filename of the wallpaper

Resource type:

string

4.4.7 /v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index]/URL (new)

Description:

Url of the wallpaper

Resource type:

string

4.4.8 /v1.2/Wallpapers/CurrentWallpaper (new)

Description:

Indicates the internal path of the current wallpaper.

Resource type:

string

4.4.9 /v1.2/Wallpapers/UpLoadSetStart (new)

Description:

Starts upload process for the wallpaper whose url is provided in UpLoadUrl.

Resource type:

boolean

4.4.10 /v1.2/Wallpapers/UpLoadUrl (new)

Description:

Possible URL that refers to a wallpaper to be uploaded.

Resource type:

string

4.4.11 /v1.2/Wallpapers/UserWallpapers (new)

Description:

Contains the wallpapers uploaded by users.

Resource type:

json

4.4.12 /v1.2/Wallpapers/UserWallpapers/WallpapersNumber (new)

Description:

Indicates the number of wallpapers that are uploaded by users.

Resource type:

integer

4.4.13 /v1.2/Wallpapers/UserWallpapers/WallpapersTables (new)

Description:

Tree with all wallpapers that are uploaded by user.

Resource type:

json

4.4.14 /v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index] (new)

Description:

The index into the Link list.

Resource type:

integer

4.4.15 /v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index]/Filename (new)

Description:

Filename of the wallpaper

Resource type:

string

4.4.16 /v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index]/URL (new)

Description:

Url of the wallpaper

Resource type:

string

5. API VERSION 1.3

5.1 Commands overview

Overview

No changes or extra commands in this version.

6. API VERSION 1.4

6.1 Configuration

Description:

The Configuration branch node.

6.1.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.4/Configuration/AutomaticRebootEnabled (new)	boolean	-	GET/PUT	-

6.1.2 /v1.4/Configuration/AutomaticRebootEnabled (new)

Description:

Set this parameter to ’true’ to let the Base Unit reboot every 24h.

Resource type:

boolean

7. API VERSION 1.5

7.1 Audio

Description:

The Audio branch node.

7.1.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.5/Audio/Output (new)	string/enumeration	-	-	GET/PUT

7.1.2 /v1.5/Audio/Output (new)

Description:

Selects the output to be used to play audio.

Resource type:

string/enumeration ("Jack", "HDMI", "SPDIF")

7.2 ClientAccess

Description:

Client Access Settings

7.2.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.5/ClientAccess/EnableAirplay (new)	boolean	-	-	GET
/v1.5/ClientAccess/EnableClickShareApp (new)	boolean	-	-	GET

7.2.2 /v1.5/ClientAccess/EnableAirplay (new)

Description:

Enable Airplay

Resource type:

boolean

7.2.3 /v1.5/ClientAccess/EnableClickShareApp (new)

Description:

Enable ClickShare App

Resource type:

boolean

7.3 Proxy

Description:

The Proxy server branch node

7.3.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.5/Proxy/Enable (new)	boolean	-	-	GET/PUT
/v1.5/Proxy/ServerAddress (new)	string/ipaddress	-	-	GET/PUT
/v1.5/Proxy/ServerPort (new)	integer	-	-	GET/PUT

7.3.2 /v1.5/Proxy/Enable (new)

Description:

Enabled / disable proxy server

Resource type:

boolean

7.3.3 /v1.5/Proxy/ServerAddress (new)

Description:

IP address of the proxy server

Resource type:

string/ipaddress

7.3.4 /v1.5/Proxy/ServerPort (new)

Description:

Port number of the proxy server

Resource type:

integer

7.4 Software

Description:

The Software branch node.

7.4.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.5/Software/AutoUpdate (new)	json	-	-	GET/PUT
/v1.5/Software/AutoUpdate/AlwaysCheckAtBoot (new)	boolean	-	-	GET/PUT
/v1.5/Software/AutoUpdate/PromptBeforeInstall (new)	boolean	-	-	GET/PUT
/v1.5/Software/AutoUpdate/ScheduledTime (new)	integer	-	-	GET/PUT

7.4.2 /v1.5/Software/AutoUpdate (new)

Description:

AutoUpdate branch node

Resource type:

json

7.4.3 /v1.5/Software/AutoUpdate/AlwaysCheckAtBoot (new)

Description:

Enable/disable check for update at boot

Resource type:

boolean

7.4.4 /v1.5/Software/AutoUpdate/PromptBeforeInstall (new)

Description:

Enable/disable if the unit needs to ask before installing the new firmware

Resource type:

boolean

7.4.5 /v1.5/Software/AutoUpdate/ScheduledTime (new)

Description:

The time on which a check should be done for new firmware. -1 to disable scheduled checks. 0 to 23 for the hour on which to check for updates.

Resource type:

integer

7.5 Standby

Description:

The Standby branch node

7.5.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.5/Standby/EnergyMode (new)	string/enumeration	-	-	GET/PUT

7.5.2 /v1.5/Standby/EnergyMode (new)

Description:

The energy mode of the baseunit which defines the standby type

Resource type:

string/enumeration ("eco_standby", "networked_standby", "deep_standby")

7.6 Time

Description:

The Time branch node

7.6.1 Commands overview

Overview:

		Platform		
Resource	**Type**	**CSC-1**	**CSM-1**	**CSE-200**
/v1.5/Time/Date (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.5/Time/SupportedTimeZones (new)	string	GET/PUT	GET/PUT	GET/PUT
/v1.5/Time/TimeZone (new)	string	GET/PUT	GET/PUT	GET/PUT

7.6.2 /v1.5/Time/Date (new)

Description:

The current date

Resource type:

string

7.6.3 /v1.5/Time/SupportedTimeZones (new)

Description:

The supported timezones

Resource type:

string

7.6.4 /v1.5/Time/TimeZone (new)

Description:

The timezone

Resource type:

string

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