

ClickShare

API Manual

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1. CLICKSHARE REST API INTRODUCTION

1.1 Introduction

Overview

The ClickShare CSE-200 and CSE-800 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 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 and for CSE-800 it is 1.1.0.

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:

```
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"
```

Security

Since the introduction of the CSE range of ClickShare products the REST API is only available over the HTTPS protocol on port 4001.

Authentication

The username to be used to access the REST API is 'integrator'. The password for this user is by default also 'integrator', but it is strongly recommended to change this from within the Security/Passwords page of the Base Unit's web interface.

Versioning

The current version of the API is v1.x. Future ClickShare firmware versions or models might have a newer version of the API.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": "v1.7" } }</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", "v1.1", "v1.2", "v1.3", "v1.4", "v1.5", "v1.6", "v1.7",] } }</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

For example, to retrieve the name of the meeting room, the following command can be used:

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

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

Getting Multiple Parameters

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

Example

For example, to retrieve all the values that are displayed on screen, the following command can be used:

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


Request	GET /v1.0/OnScreenText
Response	<pre>{ "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 to MR Picasso!" } } }</pre>

The complete REST API tree with all its sub nodes and values can be retrieved by providing just the version number as URL (/v1.7).

```
curl -u integrator:integrator --basic -k -i -X GET
https://10.192.34.102:4001/v1.7
```

Getting the Children of a Node

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

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

Example

For example, to retrieve all the children of the OnScreenText node, the following command can be used:

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

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

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

For example, to change the name of the meeting room, the next command can be used:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.51:4001/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. ClickShare REST API Introduction

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

```
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}}'
```

1.4 Updating the Wi-Fi settings

CSE-200

When changing the Wi-Fi settings it is recommended to set the Wi-Fi band and channel at the same time.

```
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}'
```

CSE-800

The CSE-800 contains two wireless modules, which can run in concurrent mode (2.4 GHz + 5 GHz), 2.4 GHz only, or 5 GHz only. When the concurrent mode is active, the first frequency node always must be the 2.4 GHz one. Please note that the channels also must be in the allowed list, as well as being sufficiently away from another if they are in the same frequency.

Example 1

Updating the channels in concurrent mode:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.102:4001/v1.6/Network/Wlan --data
'value={"WifiMode": "Concurrent", "Frequency":
"2.4 GHz", "Channel":11, "Frequency2": "5 GHz", "Channel2": 40}'
```

Example 2

Switching to 2.4 GHz only mode:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.102:4001/v1.6/Network/Wlan --data
'value={"WifiMode": "2.4 GHz Only", "Frequency":
"2.4 GHz", "Channel": 6, "Frequency2": "2.4 GHz", "Channel2": 11}'
```

1.5 Updating the ClickShare Base Unit Firmware

Overview

The process to update the Base Unit firmware involves two steps. The first step is to provide the URL where the firmware file is located on the server or website:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.51:4001/v1.0/Software/UpdateUrl --data
'value=http://127.0.0.1/ClickShare/clickshare_cse-
200_baseunit_01.03.04.0008_release.enc'
```

The second step is to tell the Base Unit to start the update process:

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

Both steps of the process can also be combined into one:

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.34.51:4001/v1.0/Software --data
'value={"UpdateUrl":"http://127.0.0.1/ClickShare/clickshare_cse-
200_baseunit_01.03.04.0008_release.enc", "StartUpdate":true}'
```

1.6 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.

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.8.171:4001/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.

```
curl -u integrator:integrator --basic -k -i -X PUT
https://10.192.8.171:4001/v1.0/Configuration/SetActionUrl
--data "value=http://127.0.0.1/ClickShareConfigurationBackups/configuration.xml"
```

Next the upload should be initiated.

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


2. API VERSION 1.0

Overview

- Audio
- Buttons
- Configuration
- DeviceInfo
- Display
- Network
- OnScreenText
- RemoteManagement
- Software

2.1 Audio

Description:

The Audio branch node.

2.1.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/Audio/Enabled	boolean	GET/PUT	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

2.2 Buttons

Description:

The Buttons branch node

2.2.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/Buttons/ButtonCount	integer	GET	GET
/v1.0/Buttons/ButtonTable	json	GET	GET
/v1.0/Buttons/ButtonTable/[index]	integer	GET	GET
/v1.0/Buttons/ButtonTable/[index]/Connected	boolean	GET	GET
/v1.0/Buttons/ButtonTable/[index]/Connection-Count	integer	GET	GET
/v1.0/Buttons/ButtonTable/[index]/Firmware-Version	string	GET	GET

Resource	Type	Platform	
		CSE-200	CSE-800
/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
/v1.0/Buttons/ButtonTable/[index]/SerialNumber	string	GET	GET
/v1.0/Buttons/ButtonTable/[index]/Status	string/enumeration	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:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/Configuration/RestartSystem	boolean	GET/PUT	GET/PUT
/v1.0/Configuration/SetAction	string/enumeration	GET/PUT	GET/PUT
/v1.0/Configuration/SetActionUrl	string/url	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/SetAction

Description:

This action defines what the Base Unit should do with the configuration. The value 'Upload' causes the Base Unit to read the config file from the URL specified by 'SetActionUrl'. The value 'Backup' backs up the configuration to a file at the URL specified by 'SetActionUrl'. The value 'Export' exports a portable version of the configuration to a file at the URL specified by 'SetActionUrl'. The value 'Reset' resets the configuration to the factory defaults.

Resource type:

string/enumeration ("NoAction", "Upload", "Backup", "Export", "Reset")

2.3.4 /v1.0/Configuration/SetActionUrl

Description:

The URL of the file to be used to read or write a configuration. This parameter is to be used in combination with 'SetAction'.

Resource type:

string/url

2.4 DeviceInfo

Description:

The DeviceInfo branch node.

2.4.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/DeviceInfo/ArticleNumber	string	GET	GET
/v1.0/DeviceInfo/CurrentUptime	integer	GET	GET
/v1.0/DeviceInfo/FirstUsed	string/time	GET	GET
/v1.0/DeviceInfo/InUse	boolean	GET	GET
/v1.0/DeviceInfo/LastUsed	string/time	GET	GET
/v1.0/DeviceInfo/ModelName	string	GET	GET
/v1.0/DeviceInfo/Processes	json	GET	GET
/v1.0/DeviceInfo/Processes/ProcessCount	integer	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable	json	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable/[index]	integer	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable/[index]/Name	string	GET	GET
/v1.0/DeviceInfo/Processes/ProcessTable/[index]/Status	boolean	GET	GET
/v1.0/DeviceInfo/Sensors	json	GET	GET
/v1.0/DeviceInfo/Sensors/CaseFanSpeed	float	-	GET

Resource	Type	Platform	
		CSE-200	CSE-800
/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
/v1.0/DeviceInfo/Sharing	boolean	GET	GET
/v1.0/DeviceInfo/Status	integer	GET	GET
/v1.0/DeviceInfo/StatusMessage	string	GET	GET
/v1.0/DeviceInfo/TotalUptime	integer	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

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:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/Display/DisplayCount	integer	GET	GET
/v1.0/Display/DisplayTimeout	string/enumeration	GET/PUT	GET/PUT
/v1.0/Display/HotPlug	boolean	GET/PUT	GET/PUT
/v1.0/Display/Mode	string/enumeration	-	GET/PUT
/v1.0/Display/OutputCount	integer	GET	GET
/v1.0/Display/OutputTable	json	GET	GET
/v1.0/Display/OutputTable/[index]	integer	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
/v1.0/Display/OutputTable/[index]/Position	integer	GET/PUT	GET/PUT
/v1.0/Display/OutputTable/[index]/Resolution	string	GET/PUT	GET/PUT
/v1.0/Display/OutputTable/[index]/SupportedResolutions	string	GET	GET
/v1.0/Display/ScreenSaverTimeout	string/enumeration	GET/PUT	GET/PUT
/v1.0/Display/ShowWallpaper	boolean	GET/PUT	GET/PUT
/v1.0/Display/StandbyState	boolean	GET/PUT	GET/PUT

2.5.2 /v1.0/Display/DisplayCount

Description:

The number of displays in the DisplayTable list.

Resource type:

integer

2.5.3 /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. 1 minute is not supported on the CSE-800 platform

Resource type:

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

2.5.4 /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

2.5.5 /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/enum ("Extended", "Clone")

2.5.6 /v1.0/Display/OutputCount**Description:**

The number of outputs in the OutputTable list.

Resource type:

integer

2.5.7 /v1.0/Display/OutputTable**Description:**

List of the outputs on the Base Unit.

Resource type:

json

2.5.8 /v1.0/Display/OutputTable/[index]**Description:**

The index of the output in the OutputTable list.

Resource type:

integer

2.5.9 /v1.0/Display/OutputTable/[index]/Connected**Description:**

Indicates if a screen is currently connected to this output.

Resource type:

boolean

2.5.10 /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

2.5.11 /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

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

Description:

The name of the output.

Resource type:

string

2.5.13 /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.

Resource type:

integer

2.5.14 /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

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

Description:

Supported resolutions for the screen currently connected to this output.

Resource type:

string

2.5.16 /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")

2.5.17 /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

2.5.18 /v1.0/Display/StandbyState**Description:**

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

Resource type:

boolean

2.6 Network**Description:**

Network treenode.

2.6.1 Commands overview**Overview:**

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/Network/Lan	json	GET	GET
/v1.0/Network/Lan/Addressing	string/enumeration	GET/PUT	GET/PUT
/v1.0/Network/Lan/DefaultGateway	string/ipaddress	GET/PUT	GET/PUT
/v1.0/Network/Lan/Hostname	string/hostname	GET/PUT	GET/PUT
/v1.0/Network/Lan/IpAddress	string/ipaddress	GET/PUT	GET/PUT
/v1.0/Network/Lan/SubnetMask	string/ipaddress	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/IpAddress	string/ipaddress	GET	GET
/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

2.6.2 /v1.0/Network/Lan**Description:**

The Lan branch node.

Resource type:

json

2.6.3 /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")

2.6.4 /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

2.6.5 /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

2.6.6 /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

2.6.7 /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

2.6.8 /v1.0/Network/Wlan

Description:

The Wlan branch node.

Resource type:

json

2.6.9 /v1.0/Network/Wlan/BroadcastSsid

Description:

Indicates if the SSID will be broadcasted.

Resource type:

boolean

2.6.10 /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

2.6.11 /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")

2.6.12 /v1.0/Network/Wlan/IpAddress**Description:**

IP address of the wireless network of the Base Unit.

Resource type:

string/ipaddress

2.6.13 /v1.0/Network/Wlan/MacAddress**Description:**

MAC address of the wireless adapter of the Base Unit.

Resource type:

string/macaddress

2.6.14 /v1.0/Network/Wlan/Password**Description:**

The password for the wireless network of the Base Unit.

Resource type:

string

2.6.15 /v1.0/Network/Wlan/Ssid**Description:**

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

Resource type:

string

2.6.16 /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

2.6.17 /v1.0/Network/Wlan/SupportedChannels500Mhz

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

2.7 OnScreenText

Description:

Contains all settings for on-screen displayed items.

2.7.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/OnScreenText/Language	string/enumeration	GET/PUT	GET/PUT
/v1.0/OnScreenText/Location	string	GET/PUT	GET/PUT
/v1.0/OnScreenText/MeetingRoomName	string	GET/PUT	GET/PUT
/v1.0/OnScreenText/ShowMeetingRoomInfo	boolean	GET/PUT	GET/PUT
/v1.0/OnScreenText/ShowNetworkInfo	boolean	GET/PUT	GET/PUT
/v1.0/OnScreenText/SupportedLanguages	string	GET	GET
/v1.0/OnScreenText/WelcomeMessage	string	GET/PUT	GET/PUT

2.7.2 /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")

2.7.3 /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

2.7.4 /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

2.7.5 /v1.0/OnScreenText/ShowMeetingRoomInfo**Description:**

Indicates if meeting room information is shown on the wallpaper.

Resource type:

boolean

2.7.6 /v1.0/OnScreenText/ShowNetworkInfo**Description:**

Indicates if network information is shown on the wallpaper.

Resource type:

boolean

2.7.7 /v1.0/OnScreenText/SupportedLanguages**Description:**

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

Resource type:

string

2.7.8 /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

2.8 RemoteManagement**Description:**

The RemoteManagement branch node.

2.8.1 Commands overview**Overview:**

		Platform	
Resource	Type	CSE-200	CSE-800
/v1.0/RemoteManagement/WlanWebEnabled	boolean	GET/PUT	GET/PUT

2.8.2 /v1.0/RemoteManagement/WlanWebEnabled**Description:**

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

Resource type:

boolean

2.9 Software

Description:

The Software branch node.

2.9.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.0/Software/AllowFirmwareDowngrade	boolean	GET/PUT	GET/PUT
/v1.0/Software/FirmwareVersion	string	GET	GET
/v1.0/Software/LastUpdated	string/time	GET	GET
/v1.0/Software/StartUpdate	boolean	GET/PUT	GET/PUT
/v1.0/Software/UpdateInProgress	boolean	GET	GET
/v1.0/Software/UpdateIsSuccessful	boolean	GET	GET
/v1.0/Software/UpdateProgressMessage	string	GET	GET
/v1.0/Software/UpdateProgressValue	string	GET	GET
/v1.0/Software/UpdateUrl	string	GET/PUT	GET/PUT

2.9.2 /v1.0/Software/AllowFirmwareDowngrade

Description:

Set this value to 'true' to allow a firmware downgrade.

Resource type:

boolean

2.9.3 /v1.0/Software/FirmwareVersion

Description:

The Base Unit software version.

Resource type:

string

2.9.4 /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)

2.9.5 /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

2.9.6 /v1.0/Software/UpdateInProgress

Description:

Indicates if a software update is currently in progress.

Resource type:

boolean

2.9.7 /v1.0/Software/UpdateIsSuccessful

Description:

Indicates if the software update process finished successfully.

Resource type:

boolean

2.9.8 /v1.0/Software/UpdateProgressMessage

Description:

Current update message shown on Base Unit display.

Resource type:

string

2.9.9 /v1.0/Software/UpdateProgressValue

Description:

Current state of the ongoing update process.

Resource type:

string

2.9.10 /v1.0/Software/UpdateUrl

Description:

The URL where the software image is available for download.

Resource type:

string

3. API VERSION 1.1

Overview

- Buttons
- Network
- OnScreenText

3.1 Buttons

Description:

The Buttons branch node

3.1.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.1/Buttons/ButtonTable/[index]/IpAddress (new)	string/ipaddress	GET	GET

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

Description:

The IP address of the Button.

Resource type:

string/ipaddress

3.2 Network

Description:

Network treenode.

3.2.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.1/Network/Wlan (modified)	json	GET	GET

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

Description:

The Wlan branch node.

Resource type:

json

3.3 OnScreenText

Description:

Contains all settings for on-screen displayed items.

3.3.1 Commands overview

Overview:

		Platform	
Resource	Type	CSE-200	CSE-800
/v1.1/OnScreenText/ShowSourceName (new)	boolean	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 1.2

Overview

- ClientAccess
- Network
- Time
- Wallpapers

4.1 ClientAccess

Description:

Client Access Settings

4.1.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.2/ClientAccess/Status (new)	boolean	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:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.2/Network/Wlan/SignalStrength (new)	integer	GET/PUT	GET/PUT

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

Description:

Percentage of the maximum allowed Tx Power value currently used

Resource type:

integer

4.3 Time

Description:

The Time branch node

4.3.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.2/Time/Enable (new)	boolean	GET/PUT	GET/PUT
/v1.2/Time/NTPServer1 (new)	string	GET/PUT	GET/PUT
/v1.2/Time/NTPServer2 (new)	string	GET/PUT	GET/PUT
/v1.2/Time/NTPServer3 (new)	string	GET/PUT	GET/PUT
/v1.2/Time/NTPServer4 (new)	string	GET/PUT	GET/PUT
/v1.2/Time/NTPServer5 (new)	string	GET/PUT	GET/PUT
/v1.2/Time/Status (new)	string	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:**

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.2/Wallpapers/BarcoWallpapers (new)	json	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersNumber (new)	integer	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables (new)	json	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index] (new)	integer	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index]/Filename (new)	string	GET	GET
/v1.2/Wallpapers/BarcoWallpapers/WallpapersTables/[index]/URL (new)	string	GET	GET
/v1.2/Wallpapers/CurrentWallpaper (new)	string	GET/PUT	GET/PUT
/v1.2/Wallpapers/UpLoadSetStart (new)	boolean	GET/PUT	GET/PUT
/v1.2/Wallpapers/UpLoadUrl (new)	string	GET/PUT	GET/PUT
/v1.2/Wallpapers/UserWallpapers (new)	json	GET	GET
/v1.2/Wallpapers/UserWallpapers/WallpapersNumber (new)	integer	GET	GET
/v1.2/Wallpapers/UserWallpapers/WallpapersTables (new)	json	GET/DELETECHILD	GET/DELETECHILD
/v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index] (new)	integer	GET/DELETE	GET/DELETE
/v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index]/Filename (new)	string	GET	GET
/v1.2/Wallpapers/UserWallpapers/WallpapersTables/[index]/URL (new)	string	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 1.5

Overview

- Audio
- ClientAccess
- Proxy
- Software
- Standby
- Time

5.1 Audio

Description:

The Audio branch node.

5.1.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.5/Audio/Output (modified)	string/enumeration	GET/PUT	GET/PUT

5.1.2 /v1.5/Audio/Output (modified)

Description:

Selects the output to be used to play audio.

Resource type:

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

5.2 ClientAccess

Description:

Client Access Settings

5.2.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.5/ClientAccess/EnableAirplay (new)	boolean	GET	GET/PUT
/v1.5/ClientAccess/EnableClickShareApp (new)	boolean	GET	GET
/v1.5/ClientAccess/EnableGoogleCast (new)	boolean	GET	GET/PUT
/v1.5/ClientAccess/Status (modified)	boolean	-	GET

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

Description:

Enable Airplay

Resource type:

boolean

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

Description:

Enable ClickShare App

Resource type:

boolean

5.2.4 /v1.5/ClientAccess/EnableGoogleCast (new)

Description:

Enable Google Cast

Resource type:

boolean

5.2.5 /v1.5/ClientAccess/Status (modified)

Description:

Disable Apps

Resource type:

boolean

5.3 Proxy

Description:

The Proxy server branch node

5.3.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.5/Proxy/Enable (new)	boolean	GET/PUT	GET/PUT
/v1.5/Proxy/Password (new)	string	GET/PUT	GET/PUT
/v1.5/Proxy/ServerAddress (new)	string/ipaddress	GET/PUT	GET/PUT
/v1.5/Proxy/ServerPort (new)	integer	GET/PUT	GET/PUT
/v1.5/Proxy/Username (new)	string	GET/PUT	GET/PUT

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

Description:

Enabled / disable proxy server

Resource type:

boolean

5.3.3 /v1.5/Proxy/Password (new)**Description:**

The password for the proxy server

Resource type:

string

5.3.4 /v1.5/Proxy/ServerAddress (new)**Description:**

IP address of the proxy server

Resource type:

string/ipaddress

5.3.5 /v1.5/Proxy/ServerPort (new)**Description:**

Port number of the proxy server

Resource type:

integer

5.3.6 /v1.5/Proxy/Username (new)**Description:**

The username for the proxy server

Resource type:

string

5.4 Software**Description:**

The Software branch node.

5.4.1 Commands overview**Overview:**

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.5/Software/AutoUpdate (new)	json	GET/PUT	GET/PUT
/v1.5/Software/AutoUpdate/AlwaysCheckAt-Boot (new)	boolean	GET/PUT	GET/PUT
/v1.5/Software/AutoUpdate/PromptBeforeInstall (new)	boolean	GET/PUT	GET/PUT
/v1.5/Software/AutoUpdate/ScheduledTime (new)	integer	GET/PUT	GET/PUT

5.4.2 /v1.5/Software/AutoUpdate (new)**Description:**

AutoUpdate branch node

Resource type:

json

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

Description:

Enable/disable check for update at boot

Resource type:

boolean

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

Description:

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

Resource type:

boolean

5.4.5 /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

5.5 Standby

Description:

The Standby branch node

5.5.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.5/Standby/EnergyMode (new)	string/enumeration	GET/PUT	GET/PUT

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

Description:

The energy mode of the baseunit which defines the standby type. networked_standby is not supported on the CSE-800 platform

Resource type:

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

5.6 Time

Description:

The Time branch node

5.6.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.5/Time/Date (new)	string	GET/PUT	GET/PUT
/v1.5/Time/SupportedTimeZones (new)	string	GET/PUT	GET/PUT
/v1.5/Time/TimeZone (new)	string	GET/PUT	GET/PUT

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

Description:

The current date

Resource type:

string

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

Description:

The supported timezones

Resource type:

string

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

Description:

The timezone

Resource type:

string

6. API VERSION 1.6

6.1 ClientAccess

Description:

Client Access Settings

6.1.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.6/ClientAccess/Status (deprecated)	boolean	-	-

6.1.2 /v1.6/ClientAccess/Status (deprecated)

Description:

Disable Apps

Resource type:

boolean

6.2 InputCard

Description:

The InputCard branch node

6.2.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.6/InputCard/InputCount (new)	integer	-	GET
/v1.6/InputCard/InputTable (new)	json	-	GET/PUT
/v1.6/InputCard/InputTable/[index]/HasSignal (new)	boolean	-	GET
/v1.6/InputCard/InputTable/[index]/Source-Name (new)	string/SourceName	-	GET/PUT

6.2.2 /v1.6/InputCard/InputCount (new)

Description:

The number of input cards in the InputTable list.

Resource type:

integer

6.2.3 /v1.6/InputCard/InputTable (new)

Description:

Input table list

Resource type:

json

6.2.4 /v1.6/InputCard/InputTable/[index]/HasSignal (new)**Description:**

Boolean value TRUE if input has signal , FALSE otherwise

Resource type:

boolean

6.2.5 /v1.6/InputCard/InputTable/[index]/SourceName (new)**Description:**

The name of the source displayed when sharing

Resource type:

string/SourceName

6.3 Network**Description:**

Network treenode.

6.3.1 Commands overview**Overview:**

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.6/Network/Lan2 (new)	json	-	GET
/v1.6/Network/Lan2/Addressing (new)	string/enumeration	-	GET/PUT
/v1.6/Network/Lan2/DefaultGateway (new)	string/ipaddress	-	GET/PUT
/v1.6/Network/Lan2/Hostname (new)	string/hostname	-	GET/PUT
/v1.6/Network/Lan2/IpAddress (new)	string/ipaddress	-	GET/PUT
/v1.6/Network/Lan2/SubnetMask (new)	string/ipaddress	-	GET/PUT
/v1.6/Network/Wlan (modified)	json	-	GET
/v1.6/Network/Wlan/BroadcastSsid2 (new)	boolean	-	GET/PUT
/v1.6/Network/Wlan/Channel2 (new)	integer	-	GET/PUT
/v1.6/Network/Wlan/Frequency2 (new)	string/enumeration	-	GET/PUT
/v1.6/Network/Wlan/MacAddress2 (new)	string/macaddress	-	GET
/v1.6/Network/Wlan/Password2 (new)	string	-	GET/PUT
/v1.6/Network/Wlan/SignalStrength2 (new)	integer	-	GET/PUT
/v1.6/Network/Wlan/Ssid2 (new)	string	-	GET/PUT
/v1.6/Network/Wlan/SupportedChannels2400Mhz_2 (new)	string	-	GET
/v1.6/Network/Wlan/SupportedChannels5000Mhz_2 (new)	string	-	GET
/v1.6/Network/Wlan/WifiAvailableModes (new)	string/enumeration	-	GET
/v1.6/Network/Wlan/WifiMode (new)	string/enumeration	-	GET/PUT

6.3.2 /v1.6/Network/Lan2 (new)

Description:

The Lan branch node.

Resource type:

json

6.3.3 /v1.6/Network/Lan2/Addressing (new)

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/enum ("Static", "DHCP")

6.3.4 /v1.6/Network/Lan2/DefaultGateway (new)

Description:

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

Resource type:

string/ipaddress

6.3.5 /v1.6/Network/Lan2/Hostname (new)

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

6.3.6 /v1.6/Network/Lan2/IpAddress (new)

Description:

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

Resource type:

string/ipaddress

6.3.7 /v1.6/Network/Lan2/SubnetMask (new)

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

6.3.8 /v1.6/Network/Wlan (modified)

Description:

The Wlan branch node.

Resource type:

json

6.3.9 /v1.6/Network/Wlan/BroadcastSsid2 (new)

Description:

Indicates if the SSID will be broadcasted.

Resource type:

boolean

6.3.10 /v1.6/Network/Wlan/Channel2 (new)

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

6.3.11 /v1.6/Network/Wlan/Frequency2 (new)

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")

6.3.12 /v1.6/Network/Wlan/MacAddress2 (new)

Description:

MAC address of the wireless adapter of the Base Unit.

Resource type:

string/macaddress

6.3.13 /v1.6/Network/Wlan/Password2 (new)

Description:

The password for the wireless network of the Base Unit.

Resource type:

string

6.3.14 /v1.6/Network/Wlan/SignalStrength2 (new)

Description:

Percentage of the maximum allowed Tx Power value currently used

Resource type:

integer

6.3.15 /v1.6/Network/Wlan/Ssid2 (new)

Description:

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

Resource type:

string

6.3.16 /v1.6/Network/Wlan/SupportedChannels2400Mhz_2 (new)**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

6.3.17 /v1.6/Network/Wlan/SupportedChannels5000Mhz_2 (new)**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

6.3.18 /v1.6/Network/Wlan/WifiAvailableModes (new)**Description:**

Available modes allowed for WifiMode field depending on Country Code

Resource type:

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

6.3.19 /v1.6/Network/Wlan/WifiMode (new)**Description:**

Current wifi mode

Resource type:

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

6.4 RemoteManagement**Description:**

The RemoteManagement branch node.

6.4.1 Commands overview**Overview:**

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.6/RemoteManagement/CMGSServer (new)	string	-	GET/PUT

6.4.2 /v1.6/RemoteManagement/CMGSServer (new)**Description:**

The domain name of the CMGS Server that controls this base unit.

Resource type:

string

6.5 Standby

Description:

The Standby branch node

6.5.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.6/Standby/RequestStandby (new)	boolean	GET/PUT	GET/PUT
/v1.6/Standby/SystemState (new)	string/enumeration	-	GET

6.5.2 /v1.6/Standby/RequestStandby (new)

Description:

Trigger used to enter or exit Base Unit standby

Resource type:

boolean

6.5.3 /v1.6/Standby/SystemState (new)

Description:

The current system state of the Base Unit

Resource type:

string/enumeration ("On", "Standby")

7. API VERSION 1.7

7.1 Blackboard

Description:

Configuration related to the Blackboarding feature.

7.1.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.7/Blackboard/SavingAllowed (new)	boolean	-	GET/PUT

7.1.2 /v1.7/Blackboard/SavingAllowed (new)

Description:

Allow the clients and plugged in drives to save annotations.

Resource type:

boolean

7.2 Software

Description:

The Software branch node.

7.2.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.7/Software/AutoUpdate/AlwaysCheckAtBoot (deprecated)	boolean	-	-
/v1.7/Software/AutoUpdate/PromptBeforeInstall (deprecated)	boolean	-	-
/v1.7/Software/AutoUpdate/ScheduledTime (deprecated)	integer	-	-
/v1.7/Software/AutoUpdate/UpdateType (new)	string/enumeration	GET/PUT	GET/PUT

7.2.2 /v1.7/Software/AutoUpdate/AlwaysCheckAtBoot (deprecated)

Description:

Enable/disable check for update at boot

Resource type:

boolean

7.2.3 /v1.7/Software/AutoUpdate/PromptBeforeInstall (deprecated)

Description:

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

Resource type:

boolean

7.2.4 /v1.7/Software/AutoUpdate/ScheduledTime (deprecated)

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

7.2.5 /v1.7/Software/AutoUpdate/UpdateType (new)

Description:

Defines how the Base Unit will behave with regards to automatic updates. Use AUTOMATIC for unattended updates, NOTIFY for update checks, but no unattended updates, and OFF for no update checks.

Resource type:

string/enumeration ("AUTOMATIC", "NOTIFY", "OFF")

8. API VERSION 1.8

8.1 ClientAccess

Description:

Client Access Settings

8.1.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.8/ClientAccess/EnableAirplay (modified)	boolean	GET/PUT	GET/PUT
/v1.8/ClientAccess/EnableClickShareApp (modified)	boolean	GET/PUT	GET/PUT
/v1.8/ClientAccess/EnableGoogleCast (modified)	boolean	GET/PUT	GET/PUT
/v1.8/ClientAccess/EnableOverLAN (new)	boolean	GET/PUT	GET/PUT

8.1.2 /v1.8/ClientAccess/EnableAirplay (modified)

Description:

Enable Airplay

Resource type:

boolean

8.1.3 /v1.8/ClientAccess/EnableClickShareApp (modified)

Description:

Enable ClickShare App

Resource type:

boolean

8.1.4 /v1.8/ClientAccess/EnableGoogleCast (modified)

Description:

Enable Google Cast

Resource type:

boolean

8.1.5 /v1.8/ClientAccess/EnableOverLAN (new)

Description:

Also use the enabled services over the wired interface

Resource type:

boolean

8.2 Network

Description:

Network treenode.

8.2.1 Commands overview

Overview:

Resource	Type	Platform	
		CSE-200	CSE-800
/v1.8/Network/Lan/DNSServers (new)	json	GET/PUT	GET/PUT
/v1.8/Network/Lan/DNSServers/Server1 (new)	string/ipaddress	GET/PUT	GET/PUT
/v1.8/Network/Lan/DNSServers/Server2 (new)	string/ipaddress	GET/PUT	GET/PUT
/v1.8/Network/Lan/DNSServers/Server3 (new)	string/ipaddress	GET/PUT	GET/PUT
/v1.8/Network/Lan/DNSServers/Server4 (new)	string/ipaddress	GET/PUT	GET/PUT
/v1.8/Network/Lan/DNSServers/Server5 (new)	string/ipaddress	GET/PUT	GET/PUT
/v1.8/Network/Lan2/DNSServers (new)	json	-	GET/PUT
/v1.8/Network/Lan2/DNSServers/Server1 (new)	string/ipaddress	-	GET/PUT
/v1.8/Network/Lan2/DNSServers/Server2 (new)	string/ipaddress	-	GET/PUT
/v1.8/Network/Lan2/DNSServers/Server3 (new)	string/ipaddress	-	GET/PUT
/v1.8/Network/Lan2/DNSServers/Server4 (new)	string/ipaddress	-	GET/PUT
/v1.8/Network/Lan2/DNSServers/Server5 (new)	string/ipaddress	-	GET/PUT
/v1.8/Network/Wlan/ButtonsConnectTo (new)	string/enumeration	-	GET/PUT

8.2.2 /v1.8/Network/Lan/DNSServers (new)

Description:

The DNS servers used for resolving domain names. The children of this node should only be set if 'Addressing' is set to 'Static'. While getting the values of DNSServer, it will always return the values of all 5 servers even if the number of active servers is less than 5. Also, user is allowed to have individual PUT value for each server.

Resource type:

json

8.2.3 /v1.8/Network/Lan/DNSServers/Server1 (new)

Description:

DNS Server 1 IP address

Resource type:

string/ipaddress

8.2.4 /v1.8/Network/Lan/DNSServers/Server2 (new)

Description:

DNS Server 2 IP address

Resource type:

string/ipaddress

8.2.5 /v1.8/Network/Lan/DNSServers/Server3 (new)**Description:**

DNS Server 3 IP address

Resource type:

string/ipaddress

8.2.6 /v1.8/Network/Lan/DNSServers/Server4 (new)**Description:**

DNS Server 4 IP address

Resource type:

string/ipaddress

8.2.7 /v1.8/Network/Lan/DNSServers/Server5 (new)**Description:**

DNS Server 5 IP address

Resource type:

string/ipaddress

8.2.8 /v1.8/Network/Lan2/DNSServers (new)**Description:**

The DNS servers used for resolving domain names. The children of this node should only be set if 'Addressing' is set to 'Static'.

Resource type:

json

8.2.9 /v1.8/Network/Lan2/DNSServers/Server1 (new)**Description:**

DNS Server 1 IP address

Resource type:

string/ipaddress

8.2.10 /v1.8/Network/Lan2/DNSServers/Server2 (new)**Description:**

DNS Server 2 IP address

Resource type:

string/ipaddress

8.2.11 /v1.8/Network/Lan2/DNSServers/Server3 (new)**Description:**

DNS Server 3 IP address

Resource type:

string/ipaddress

8.2.12 /v1.8/Network/Lan2/DNSServers/Server4 (new)

Description:

DNS Server 4 IP address

Resource type:

string/ipaddress

8.2.13 /v1.8/Network/Lan2/DNSServers/Server5 (new)

Description:

DNS Server 5 IP address

Resource type:

string/ipaddress

8.2.14 /v1.8/Network/Wlan/ButtonsConnectTo (new)

Description:

The frequency onto which the buttons should connect. Depends on the WifiMode.

Resource type:

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

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