Astrogate ASTROS Station RESTful API

API Version: 1.0.6

The API for Astrogate Station

INDEX

SECURITY SCHEMES

KEY	TYPE	DESCRIPTION
ApiKeyAuth	apiKey	The API Key for issuing a RESTful API request.
BasicAuth	http, basic	Basic HTTP security authentication. Allowed headers: 'Authorization: Basic <api_key>' or 'Authorization: Basic XXXXXX', where XXXXX is the base64 encoded string of username:password.

- 1.1 (PUT password): ApiKeyAuth or BasicAuth both works
- 1.2 (PUT apikey): BasicAuth
- Others: ApiKeyAuth

API

1. ADMINISTRATION

1.1   PUT /api/v1/device/admin/password

Change the password of the account

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	string PATTERN: ^[A-Za-z0-9]{1,16}$	The new password for the account.

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

1.2   PUT /api/v1/device/admin/apikey

Generate the new API Key of the account

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
token	string	PATTERN:^[A-Za-z0-9]{16}$
expiredTime	integer	Epoch time; It is the number of seconds that have elapsed since the Unix epoch, minus leap seconds; the Unix epoch is 00:00:00 UTC on 1 January 1970. -1 indicates never.
scope	enum	ALLOWED:full, view_only
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

1.3 GET /api/v1/device/admin/configuration

Get the configuration file of the system

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It returns base64 encoded string. Decode and save it as a required format file. (xxxx.config)
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

1.4   POST /api/v1/device/admin/configuration

Import the configuration file of the system

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

FORM DATA PARAMETERS

NAME	TYPE	DESCRIPTION
*fileName	string(binary)	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	

NAME	TYPE	DESCRIPTION
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

1.5 GET /api/v1/device/admin/firmware

Get the system firmware version

Get the system firmware version. If there is the parameter "hasNew", it would perform "new firmware check" and return the newer version if exist.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
hasNew	boolean	Is there a new firrmware available?

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
current	string	PATTERN:^\d{1,2}.\d{1,2}.\d{1,3}.\d{1,3}$ Current version
new	string	PATTERN:^\d{1,2}.\d{1,2}.\d{1,3}.\d{1,3}$ New version. It is optional.
isSuccess*	boolean	

NAME	TYPE	DESCRIPTION
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

1.6   POST /api/v1/device/admin/firmware

Update the system firmware

Update the system firmware. If the request contains the binary file, it indicates to perform local firmware uploading and updating. Otherwise, it indicates to perform firmware upgrade from remote OTA server.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

FORM DATA PARAMETERS

NAME	TYPE	DESCRIPTION
fileName	string(binary)	

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
isSuccess*		

2. DEVICE

2.1   GET /api/v1/device

Get the information of the device

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: grant the access token

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
sn	string	
model	string	
ethMacAddress	string	PATTERN:^([0-9a-f]{2}:){5}([0-9a-f]{2})$
name	string	1 to 16 chars PATTERN:^[A-Za-z\d\-]{1,16}$
fwVersion	string	PATTERN:^\d{1,2}.\d{1,2}.\d{1,3}.\d{1,3}$ major.minor.patch.build
uptime	integer	uptime in seconds after booting up.
status	string	defined status: offline, standby, connected, sharing, sleeping, updating. The field may contains multiple status which would be separated by ",".
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

3. DISPLAY

3.1 POST /api/v1/device/display

Turn on or off display

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	boolean	true: On; false: OFF

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

3.2 GET /api/v1/device/display/resolution

Get HDMI and VGA output resolution.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: response

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
hdmi	object	
resolution	enum	ALLOWED:-1, 0, 1, 2, 3, 4, 5 -1(Not Connected or undefined resolution), 0(Auto), 1(3840x2160), 2(1920x1080), 3(1280x720), 4(1024x768), 5(1920x1200)
cec	boolean	
vga	object	
resolution	enum	ALLOWED:-1, 2, 3, 4 -1(Undefined resolution), 2(1920x1080), 3(1280x720), 4(1024x768)
enable	boolean	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

3.3   PUT /api/v1/device/display/resolution

Set HDMI and VGA resolution

Set HDMI and VGA resolution. If 'enableVGA' is true, the max resolution only could be set to 1920x1080.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	int32 ALLOWED: 0, 1, 2, 3, 4, 5	Output resolution: 0(Auto), 1(3840x2160), 2(1920x1080), 3(1280x720), 4(1024x768), 5(1920x1200). HDMI only allows 0, 1, 2, 3, 4, 5. VGA enabled allows 2, 3, 4.
enableVGA	boolean	Whether to enable or disable VGA: true or false

*Required

RESPONSE

STATUS CODE - 200: response

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4. GENERAL

4.1   GET /api/v1/device/general/name

Get the name of the device.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error. If it is successful, you can get its name from 'data' field in the response content.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.2   PUT /api/v1/device/general/name

Set the name of the device. Only support a-z, A-Z, 0-9 and "-" characters and max length is 16.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	string PATTERN: '^[A-Za-z\d\-]{1,16}$	The value for the device name

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.3   GET /api/v1/device/general/language

Get language setting for the device

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.4 PUT /api/v1/device/general/language

Set language for the device

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	int32 ALLOWED: 0, 1, 2	The value for the language. There are 2 options: English(0), 繁體中文(1) , 简体中文(2)

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	

NAME	TYPE	DESCRIPTION
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.5   GET /api/v1/device/general/logincode

Get login code setting for the device

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0,1000, 1001, 1002,1003,1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
type	enum	ALLOWED:0,1, 2
code	string	PATTERN:^[0-9]{4}$
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	

NAME	TYPE	DESCRIPTION
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.6 PUT /api/v1/device/general/logincode

Set login code setting for the device.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*type	int32 ALLOWED: 0, 1, 2	The login code type. Its value should be 0(random), 1(no code), 2(fixed).
code	string PATTERN: ^[0-9]{4}$	The login code

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.7 GET /api/v1/device/general/remoteview

Get the option of remote view

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.8   PUT /api/v1/device/general/remoteview

Set the option of remote view

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	boolean	Enable or disable remote view

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.9 GET /api/v1/device/general/wallpaper

Get the current setting of wallpaper. Return the ID of the wallpaper.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: response

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	

model*	string		
rebootRequired*	boolean	The device needs to reboot to apply this new change.	

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.10   PUT /api/v1/device/general/wallpaper/{id}

Set the wallpaper in the device

Set the wallpaper in the device. The image content of the first 2 positions (0 and 1) can't be replaced. For current active wallpaper, it can't be replaced.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*id	int32 between 0 and 5	For wallpaper uploading only allows 2 to 5. For wallpaper changing allow 0 to 5.
*Required		

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*Required		

FORM DATA PARAMETERS

NAME	TYPE	DESCRIPTION
wallpaperImage	string(binary)	Only accept png/jpeg. Its max width shall be 3840+100 and max height is 2400+100. Besides, its width to height ratio shall be between 1.5 and 2.0 (16:10).

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		

errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.11   DELETE /api/v1/device/general/wallpaper/{id}

Delete the wallpaper in the device

Delete the wallpaper in the device. The image content of the first 2 positions (0 and 1) can't be deleted. For current active wallpaper, it can't be deleted.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*id	int32 between 2 and 5	

*Required

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	

NAME	TYPE	DESCRIPTION
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

5. NETWORK

5.1   GET /api/v1/device/network/ethernet/macaddress

Get the ethernet mac address

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

5.2   GET /api/v1/device/network/ethernet

Get the setting of ethernet

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
enableDHCP	boolean	
setting	object	
ip	string	
mask	string	
gateway	string	
dns1	string	
dns2	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

5.3 PUT /api/v1/device/network/ethernet

Set ethernet setting

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*enableDHCP	boolean	

NAME	TYPE	DESCRIPTION
ip	ipv4	
mask	ipv4	
gateway	ipv4	
dns1	ipv4	
dns2	ipv4	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

5.4   GET /api/v1/device/network/wifi/macaddress

Get the WiFi mac address

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

5.5   GET /api/v1/device/network/wifi

Get the setting of WiFi

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: response

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000,1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
mode	enum	ALLOWED: AP, STA, OFF
ssid	string	PATTERN:^[A-Za-z\d\-]{1,16}$
hideSSID	boolean	
security	enum	ALLOWED:0, 1 wireless authentication method. 0(none), 1(WPA2-PSK)

NAME	TYPE	DESCRIPTION
password	string	PATTERN:^[A-Za-z0-9]{8,16}$ The authorized password of WPA2
band	enum	ALLOWED:0, 1 802.11 frequency band. 1: 2.4GHz; 1: 5GHz
networking_mode	enum	ALLOWED:0, 1 The networking mode: 0(NAT), 1(Bridge)
gatekeeper	enum	ALLOWED:0, 1, 2 The rule of gatekeeper: 0(Allow All), 1(Internet Only), 2(Block All)
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

5.6   PUT /api/v1/device/network/wifi

Set WiFi AP mode

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*mode	enum ALLOWED: AP, OFF	
hideSSID	boolean	
security	int32 ALLOWED: 0, 1	The security mode. 0 indicates non; 1 indicates WPA2- PSK
password	string PATTERN: ^[A-Za-z0-9]{8,16}$	The authorized password of WPA2
band	int32 ALLOWED: 0, 1	802.11 frequency band. 0: 2.4GHz; 1: 5GHz
networking_mode	int32 ALLOWED: 0, 1	0(NAT), 1(Bridge)
gatekeeper	int32 ALLOWED: 0, 1, 2	0(Allow All), 1(Internet Only), 2(Block All)

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

6. POWER

6.1 GET /api/v1/device/power/mode

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: response

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000,1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
mode	enum	ALLOWED:0, 1 power button behavior. 0(sleep mode), 1(suspend mode)
timeout	enum	ALLOWED:5, 15, 30, 60, -1 how long to go to sleep mode if no operation. The time unit is minute. -1 indicates never.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

6.2 PUT /api/v1/device/power/mode

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION

NAME	TYPE	DESCRIPTION
*username	string	
*mode	int32 ALLOWED: 0, 1	power button behavior. 0(sleep mode); 1(suspend mode). If 1(suspend mode) is set, the timeout would be ignored.
timeout	int32 ALLOWED: 5, 15, 30, 60, -1	How long to go to sleep mode if no operation. The time unit is minute. -1 indicates never. If mode is set to 0 (sleep), the timeout parameter is must.

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

6.3   POST /api/v1/device/power/reboot

Perform system reboot.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
delay	int32 >=0	Delay interval in minutes (optional) to perform system reboot. If you do not specify delay, then the reboot would start immediately.
reason	string	Reason for performing reboot (optional).

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

7. TIME

7.1 GET /api/v1/device/time/ntp

Get the network time server setting

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	object	
auto	boolean	Is auto time sync?
ip	string	IP or host name
port	int32	port number
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

7.2 PUT /api/v1/device/time/ntp

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
ip	string	The network address of the NTP server
port	int32	The port number of the NTP server
auto	boolean	Whether to automatically update system time

*Required

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

7.3   GET /api/v1/device/time/zone

Get timezone

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

7.4   PUT /api/v1/device/time/zone

Set timezone

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	enum ALLOWED: Pacific/Midway, Pacific/Honolulu, America/Anchorage, America/ Los_Angeles, America/Tijuana, America/Phoenix, America/Chihuahua, America/ Denver, America/Costa_Rica, America/Regina, America/Chicago, America/ Mexico_City, America/Bogota, America/New_York, America/Caracas, America/ Barbados, America/Manaus, America/Santiago, America/Halifax, America/Recife, America/Sao_Paulo, America/Argentina/Buenos_Aires, America/Montevideo, America/St_Johns, Atlantic/South_Georgia, Atlantic/Cape_Verde, America/Godthab, Atlantic/Azores, Africa/Casablanca, Europe/London, Africa/Brazzaville, Europe/ Amsterdam, Europe/Belgrade, Europe/Brussels, Europe/Madrid, Europe/Sarajevo, Africa/Windhoek, Africa/Cairo, Africa/Harare, Asia/Amman, Europe/Athens, Europe/ Istanbul, Asia/Beirut, Europe/Helsinki, Asia/Jerusalem, Europe/Minsk, Asia/ Baghdad, Europe/Moscow, Asia/Kuwait, Africa/Nairobi, Asia/Baku, Asia/Tbilisi, Asia/Yerevan, Asia/Dubai, Asia/Tehran, Asia/Kabul, Asia/Karachi, Asia/Oral, Asia/ Yekaterinburg, Asia/Kolkata, Asia/Colombo, Asia/Kathmandu, Asia/Almaty, Asia/ Yangon, Asia/Krasnoyarsk, Asia/Bangkok, Asia/Jakarta, Asia/Shanghai, Asia/ Hong_Kong, Asia/Irkutsk, Asia/Kuala_Lumpur, Australia/Perth, Asia/Taipei, Asia/ Seoul, Asia/Tokyo, Asia/Yakutsk, Australia/Adelaide, Australia/Darwin, Australia/ Brisbane, Australia/Hobart, Australia/Sydney, Asia/Vladivostok, Pacific/Guam, Asia/ Magadan, Pacific/Noumea, Pacific/Majuro, Pacific/Auckland, Pacific/Fiji, Pacific/ Tongatapu	The time zone.

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

7.5 GET /api/v1/device/time

Get time

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

*Required

RESPONSE

STATUS CODE - 200: success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0,1000, 1001, 1002, 1003,1004, 1005, 1100, 1200
errorMsg	string	
data*	string	YYYY:MM::DDThh:mm:ss.sTZD. Follow the RFC3339. Refer to https://tools.ietf.org/html/ rfc3339#section-5.6. date-time = full-date "T" full-time, where full-date = date-fullyear "-" date-month"-" date-mday and full-time = partial-time time-offset.
isSuccess*	boolean	

NAME	TYPE	DESCRIPTION
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

7.6   PUT /api/v1/device/time

Set time

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*value	string PATTERN: ^([2][0]\d{2}-([0]\d|[1][0-2])-([0-2]\d|[3][0-1])T([0-1]\d|[2][0-3]):[0-5]\d:[0-5]\d)$	

*Required

RESPONSE

STATUS CODE - 200: The request URL is valid and handled. Whether it is successful, you need to check the 'errorCode' of JSON-style string in the response content. 0 indicates success; otherwise, it is error.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
data*	string	It can be a JSON-style string. For POST or PUT methods, data would be empty.
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

STATUS CODE - default: HTTP ERROR (4xx or 5xx). The request URL is invalid or its method is not supported or there is no response for the service.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
errorCode*	integer	It would be the same as HTTP Status Code.
errorMsg*	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.