

API Reference

Astrogate ASTROS Station RESTful API

API Version: 2.0.2

The API for ASTROS Station

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Security and Authentication

SECURITY SCHEMES

KEY	TYPE	DESCRIPTION
ApiKeyAuth	apiKey	The API Key for issuing a RESTful API request.

API

1. BEFORELOGIN

Actions other than logging into the settings page do not require a token

1.1 GET /api/v2/station/quickJoin

Obtain the Quick Join filename

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

1.2 GET /api/v2/station/general/logincode

Obtain the login code

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
codeType	enum	ALLOWED:0, 1, 2 0(random), 1(no code), 2(fixed)

NAME	TYPE	DESCRIPTION
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

1.3 GET /api/v2/station/model

Webpage initialization requires preloaded parameters

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
devName	string	ssid name
model	string	
isAdminInit	boolean	The default password must be changed when the system is initialized.
isModerationInit	boolean	The default password must be changed when the system is initialized.
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

2. CONFERENCE

2.1 GET /api/v2/station/conference/appBYOM

Retrieve appBYOM activation status

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
expiredDate	string	Permanent keys will always start with 2099
key	string	Default is an empty string; if the permanent key is activated successfully, a value will appear
status	integer	0 (Not activated), 1 (Activated), 2 (Expired)
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

2.2 PUT /api/v2/station/conference/appBYOM

Activate appBYOM Key

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
key	string	Enter the obtained key (a string of ≤ 70 characters, only allowing uppercase and lowercase letters, numbers, =, /, +)
type	string	Currently fixed to use appBYOM

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
------	------	-------------

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

3. DATETIME

3.1 GET /api/v2/station/time

Retrieve time settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
isAutoTime	boolean	Automatically set the time
showTime24	boolean	Display in 24-hour format
ntpServer	string	Network Time Protocol
timeZone	string	
timeout	integer	
curTimeMillis	integer	
isDailyReboot	boolean	
dailyRebootTime	string	
GMT	integer	check timezone
inDaylightTime	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

3.2 PATCH /api/v2/station/time

Modify certain time settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
isAutoTime	boolean	Automatically set the time
showTime24	boolean	Display in 24-hour format
ntpServer	string	Network Time Protocol
timeZone	string	
timeout	integer	
curTimeMillis	string	
isDailyReboot	boolean	
dailyRebootTime	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

4. ETHERNET

4.1 GET /api/v2/station/ethernet

Retrieve Ethernet settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
connected	boolean	If Wi-Fi is set to bridge mode, this field is needed to determine subsequent actions
enableDHCP	boolean	DHCP or Static ip
mac	string	
setting	object	
ip	string	
mask	string	
gateway	string	
dns1	string	
dns2	string	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

4.2 PATCH /api/v2/station/ethernet

Change Ethernet settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
enableDHCP	boolean	DHCP or Static ip
ip	string	
mask	string	
gateway	string	
dns1	string	
dns2	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

5. GENERAL

5.1 GET /api/v2/station/general

Retrieve common settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
devName	string	Changing this will disconnect all networks, requiring a restart
deviceNameShow	boolean	
codeType	enum	ALLOWED:0, 1, 2 0(random), 1(no code), 2(fixed)
codeValue	string	If codeType is fixed, need code.
ipShow	boolean	
curWallpaper	enum	ALLOWED:0, 1, 2, 3, 4, 5, 6, 7
allowRemoteView	boolean	
curLanguage	enum	ALLOWED:0, 1, 2, 3 (0)English, (1)Traditional Chinese, (2)Simplified Chinese, (3)Japanese
miracastPinEnabled	boolean	
imageSliderEnabled	boolean	
imageSliderInterval	integer	Use seconds: 10, 30, 45
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

5.2 PATCH /api/v2/station/general

Modify certain common settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
devName	string	Changing this will disconnect all networks, requiring a restart
deviceNameShow	boolean	
codeType	enum	ALLOWED:0, 1, 2 0(random), 1(no code), 2(fixed)
codeValue	string	If codeType is fixed, need code.
ipShow	boolean	
curWallpaper	enum	ALLOWED:0, 1, 2, 3, 4, 5, 6, 7
allowRemoteView	boolean	
curLanguage	enum	ALLOWED:0, 1, 2, 3 (0)English, (1)Traditional Chinese, (2)Simplified Chinese, (3)Japanese
miracastPinEnabled	boolean	
imageSliderEnabled	boolean	
imageSliderInterval	integer	Use seconds: 10, 30, 45

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

5.3 GET /api/v2/station/general/wallpaper/list

Display wallpaper list

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

5.4 DELETE /api/v2/station/general/wallpaper/{id}

Delete specified wallpaper

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*id	int32 between 2 and 5 ALLOWED: 2, 3, 4, 5	Default wallpaper 0 and 1 cannot be replaced or delete

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

6. GLOBAL

6.1 POST /api/v2/station/reboot

Reboot station

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
setDhcp	boolean	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

7. HDMI & VGA

7.1 GET /api/v2/station/resolution

Retrieve resolution settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
hdmi	object	
cec	string	
resolution	string	
vga	object	
resolution	string	
vgaEnable	boolean	
output	string	
isAudioFromHDMI	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

7.2 PUT /api/v2/station/resolution

Change resolution settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
enableVGA	boolean	Switch to VGA mode?
resolution	string	Auto, 3840x2160, 1920x1080, 1280x720, 1024x768, 1920x1200
isAudioFromHDMI	boolean	Specify audio output via HDMI

RESPONSE

STATUS CODE - 200: Success, reboot required.

RESPONSE MODEL - application/json

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

7.3 GET /api/v2/station/resolution/list

Display resolution list

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

8. LOGIN

8.1 POST /api/v2/station/login

Enter the password to log in to the station settings page

REQUEST

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
account*	string	Default is admin
password*	string	Default is admin, but users can change it

RESPONSE

STATUS CODE - 200: Response successful, determine business logic

RESPONSE MODEL - application/json

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

8.2 POST /api/v2/moderation/login

Not yet implemented, moderation-related APIs do not need to be handled at this time

Enter the password to log in to the moderation operation page

REQUEST

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
account*	string	Default is moderator
password*	string	Default is moderator, but users can change it

RESPONSE

STATUS CODE - 200: Response successful, determine business logic

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		

NAME	TYPE	DESCRIPTION
data*	object	
token	string	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

9. MIRRORINGSERVICE

9.1 GET /api/v2/station/service

Retrieve the activation status of all projection features

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

9.2 PATCH /api/v2/station/service

Set the activation status of projection features

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
allowMiracast	boolean	
allowGoogleCast	boolean	
allowAirPlay	boolean	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json		
NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

10. PASSWORD

10.1 PUT /api/v2/station/admin/password

Change admin password

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
old*	string	PATTERN:^[A-Za-z0-9]{1,16}\$
new*	string	PATTERN:^[A-Za-z0-9]{1,16}\$

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

10.2 PUT /api/v2/station/moderation/password

Change moderation password

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
old*	string	PATTERN:^[A-Za-z0-9]{1,16}\$
new*	string	PATTERN:^[A-Za-z0-9]{1,16}\$

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json		
NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

11. POD

11.1 GET /api/v2/station/pod/pairing

Retrieve Pod pairing settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
mode	integer	0-this station¶1-other
ip	string	
ssid	string	
security	integer	0-none¶1-WPA2¶2-WPA3¶3-WPA3/WPA2 mixed mode
password	string	No restrictions, as the user's SSID password may contain various special characters
autoProjection	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

11.2 PATCH /api/v2/station/pod/pairing

Set the Pod pairing status

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
mode		0-this station¶1-other

NAME	TYPE	DESCRIPTION
	integer	
ip	string	
ssid	string	
security	integer	0-none1-WPA22-WPA33-WPA3/WPA2 mixed mode
password	string	No restrictions, as the user's SSID password may contain various special characters
autoProjection	boolean	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

12. POWER

12.1 GET /api/v2/station/power/setting

Retrieve power-saving settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
mode	enum	ALLOWED:1, 2 0(sleep mode), 1(suspend mode)
time	enum	ALLOWED:-1, 1, 5, 15, 30, 60 -1 indicates never & the unit is minutes
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

12.2 PATCH /api/v2/station/power/setting

Modify part of the power-saving settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
mode	enum	ALLOWED:1, 2 0(sleep mode), 1(suspend mode)
time	enum	ALLOWED:-1, 1, 5, 15, 30, 60 -1 indicates never & the unit is minutes

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json		
NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

13. REMOTECONTROL

13.1 GET /api/v2/station/remote/amsName

Retrieve ASTROS Manager Server

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

13.2 PUT /api/v2/station/remote/amsName

Change ASTROS Manager Server

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
amsName	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		

NAME	TYPE	DESCRIPTION
data*	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

13.3 GET /api/v2/station/remote/apikey

Retrieve API token

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

13.4 PUT /api/v2/station/remote/apikey

Update API token

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		

NAME	TYPE	DESCRIPTION
data*	object	
token	string	PATTERN:^[A-Za-z0-9]{16}\$
expiredTime	string	-1 indicates never.
scope	string	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

14. SYSTEM

14.1 POST /api/v2/station/system/reset

The settings will be reset to factory values, but the firmware version will not be reset

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

14.2 GET /api/v2/station/system/log/switch

Retrieve the system log download status

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
switch	boolean	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200

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

14.3 PUT /api/v2/station/system/log/switch

Enable system log download

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
switch	enum	ALLOWED:true, false

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

14.4 GET /api/v2/station/system/log

Retrieve system log information and download progress

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
statusLog	enum	ALLOWED:0, 1, 2 0(Not downloaded yet), 1(Downloading), 2(Download finished)
filePath	string	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

14.5 PUT /api/v2/station/system/log

Download system logs to a designated folder on the Station

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

14.6 GET /api/v2/station/system/config

Retrieve configuration file name

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

14.7 PUT /api/v2/station/system/config

Import configuration file

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

FORM DATA PARAMETERS

NAME	TYPE	DESCRIPTION
fileName	string(binary)	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

15. UPDATE

15.1 GET /api/v2/station/firmware

Retrieve firmware version

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
hasNew	boolean	When true, check for OTA updates, otherwise only display version number

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
current	string	Current version number
new	string	none(Already latest), unknown(Unexpected error)
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

15.2 POST /api/v2/station/firmware

Both manual and remote updates use the same API, controlled by the isManual variable

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*isManual	boolean	When true, manual update; when false, remote update

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
------	------	-------------

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

15.3 PUT /api/v2/station/firmware/download/start

Start remote OTA download

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
process	string	Progress percentage
status	enum	ALLOWED:-1, 1, 2 -1: failed, 1: downloading, 2: download complete
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

15.4 PUT /api/v2/station/firmware/download/stop

Stop remote OTA download

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

15.5 GET /api/v2/station/ota/check

Check if the OTA file has been downloaded locally

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

16. UPLOAD

16.1 POST /api/v2/station/upload

Uploading wallpaper, firmware, or configuration will always use this

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	
*type	enum ALLOWED: BG, OTA	
*name	string	[BG] name like 3-cat.jpg; [OTA] ota use update.zip; config use AstrosProfile.json

FORM DATA PARAMETERS

NAME	TYPE	DESCRIPTION
file	string(binary)	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

17. WI-FI

17.1 GET /api/v2/station/wifi

Retrieve Wi-Fi settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
mode	enum	ALLOWED:0, 1, 2 0(OFF), 1(AP), 2(STA)
hideSSID	boolean	Hide ssid from Wi-Fi list.
security	enum	ALLOWED:0, 1 wireless authentication method: 0(non), 1(WPA2-PSK)
password	string	PATTERN:[A-Za-z0-9]{8,16}\$ The authorized password of WPA2.
band	enum	ALLOWED:0, 1 802.11 frequency band: 0(2.4GHz), 1(5GHz)
channel	enum	ALLOWED:36, 44, 149, 157 If band is 5GHz, can select: 36, 44, 149, 157
networkMode	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)
isWifiDongle	boolean	Wi-Fi dongle is enable.
ssid	string	PATTERN:[A-Za-z\d\-_]{1,16}\$
mac	string	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

17.2 PATCH /api/v2/station/wifi

Modify certain Wi-Fi settings

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
mode	enum	ALLOWED:0, 1, 2 0(OFF), 1(AP), 2(STA)
hideSSID	boolean	Hide ssid from Wi-Fi list.
security	enum	ALLOWED:0, 1 wireless authentication method: 0(non), 1(WPA2-PSK)
password	string	PATTERN:^[A-Za-z0-9]{8,16}\$ The authorized password of WPA2.
band	enum	ALLOWED:0, 1 802.11 frequency band: 0(2.4GHz), 1(5GHz)
channel	enum	ALLOWED:36, 44, 149, 157 If band is 5GHz, can select: 36, 44, 149, 157
networkMode	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)
isWifiDongle	boolean	Wi-Fi dongle is enable.

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

17.3 GET /api/v2/station/wifi/list

Display Wi-Fi list, only visible in 'Other AP' mode

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
------	------	-------------

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	array	
level	enum	ALLOWED:0, 1, 2, 3, 4 signal strength.
security	string	wireless authentication method.
ssid	string	PATTERN:^[A-Za-z\d\-_]{1,16}\$
status	enum	ALLOWED:saved, connected
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

17.4 GET /api/v2/station/wifi/connection

Display Wi-Fi connection info, only visible in 'Other AP' mode with a connected Wi-Fi network

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
data*	object	
connected	boolean	
freq	integer	
isHide	boolean	
mac	string	
speed	integer	
level	enum	ALLOWED:0, 1, 2, 3, 4 signal strength.

NAME	TYPE	DESCRIPTION
security	string	wireless authentication method.
ssid	string	PATTERN:^[A-Za-z\d\-\]{1,16}\$
ip	string	
mask	string	
gateway	string	
dns1	string	
dns2	string	
errorCode*	enum	ALLOWED:0, 1000, 1001, 1002, 1003, 1004, 1005, 1100, 1200
errorMsg	string	
isSuccess*	boolean	
model*	string	
rebootRequired*	boolean	The device needs to reboot to apply this new change.

17.5 POST /api/v2/station/wifi/connection

Manually add Wi-Fi connection info, only visible in 'Other AP' mode

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
ssid	string	PATTERN:^[A-Za-z\d\-\]{1,16}\$
security	string	Various types of Wi-Fi
password	string	Required when security is selected
eapMethod	string	Required when security is set to EAP
phase	string	Required when security is set to EAP
identity	string	Required when security is set to EAP
isStaticIp	boolean	Only true requires filling in static IP related information
reconnect	boolean	
ip	string	
mask	string	
gateway	string	
dns1	string	
dns2	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

17.6 DELETE /api/v2/station/wifi/connection

Forget Wi-Fi connection, only visible in 'Other AP' mode with a connected Wi-Fi network

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*ssid	string	Use ssid name
*username	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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

17.7 PATCH /api/v2/station/wifi/connection

Connect to SSID from Wi-Fi list, only visible in 'Other AP' mode

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
------	------	-------------

NAME	TYPE	DESCRIPTION
ssid	string	PATTERN:^[A-Za-z\d\-\]{1,16}\$
security	string	Various types of Wi-Fi
password	string	Required when security is selected
eapMethod	string	Required when security is set to EAP
phase	string	Required when security is set to EAP
identity	string	Required when security is set to EAP
isStaticIp	boolean	Only true requires filling in static IP related information
reconnect	boolean	
ip	string	
mask	string	
gateway	string	
dns1	string	
dns2	string	

RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

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