

API Reference

# Astrogate ASTROS Station RESTful API

API Version: 2.0.0

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 /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 /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 /station/model

#### Webpage initialization requires preloaded parameters

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: Success

##### RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /station/conference/appvc

#### Retrieve AppVC activation status

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: Success

##### RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
<b>data*</b>	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 /station/conference/appvc

#### Activate AppVC 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 appvc

#### RESPONSE

STATUS CODE - 200: Success

##### RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
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---

NAME	TYPE	DESCRIPTION
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
<b>data*</b>	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	
<b>setting</b>	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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
codeType	enum	ALLOWED:0, 1, 2 0(random), 1(no code), 2(fixed)
codeValue	string	If codeType is fixed, need code.
curWallpaper	enum	ALLOWED:0, 1, 2, 3, 4, 5
allowRemoteView	boolean	
curLanguage	enum	ALLOWED:0, 1, 2, 3 (0) English, (1) Traditional Chinese, (2) Simplified Chinese, (3) Japanese
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 /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
codeType	enum	ALLOWED:0, 1, 2 0(random), 1(no code), 2(fixed)
codeValue	string	If codeType is fixed, need code.
curWallpaper	enum	ALLOWED:0, 1, 2, 3, 4, 5
allowRemoteView	boolean	
curLanguage	enum	ALLOWED:0, 1, 2, 3 (0) English, (1) Traditional Chinese, (2) Simplified Chinese, (3) Japanese

## RESPONSE

STATUS CODE - 200: Success

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /station/reboot

### Restart 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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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		

---

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

---

# 9. MIRRORINGSERVICE

## 9.1 GET /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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
password	string	No restrictions, as the user's SSID password may contain various special characters
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 /station/pod/pairing

### Set the Pod pairing status

#### REQUEST

##### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

##### REQUEST BODY - application/json

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

NAME	TYPE	DESCRIPTION
	string	
ssid	string	
security	integer	0-none 1-WPA2
password	string	No restrictions, as the user's SSID password may contain various special characters

## RESPONSE

STATUS CODE - 200: Success

### RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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, 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 /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, 5, 15, 30, 60 -1 indicates never & the unit is minutes

## RESPONSE

STATUS CODE - 200: Success

### RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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 /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 /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		

---

<b>NAME</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
<b>data*</b>	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 /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 /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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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 /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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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 /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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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)
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)
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 /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)
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)

## 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 /station/wifi/list

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

## REQUEST

### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*username	string	

## RESPONSE

STATUS CODE - 200: Success

### RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
<b>OBJECT WITH BELOW STRUCTURE</b>		
<b>data*</b>	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 /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
<b>data*</b>	object	
connected	boolean	
freq	integer	
isHide	boolean	
mac	string	
speed	integer	
level	enum	ALLOWED:0, 1, 2, 3, 4 signal strength.
security	string	wireless authentication method.
ssid	string	PATTERN:^[A-Za-z\d\-\]{1,16}\$
ip	string	
mask	string	
gateway	string	
dns1	string	
dns2	string	

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.

## 17.5 POST /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
<b>OBJECT WITH BELOW STRUCTURE</b>		
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 /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 /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
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	

NAME	TYPE	DESCRIPTION
mask	string	
gateway	string	
dns1	string	
dns2	string	

## RESPONSE

STATUS CODE - 200: Success

### RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
<b>OBJECT WITH BELOW STRUCTURE</b>		
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.