

Yealink AVoIP 3rd-Party Control API

Control APIs

Using Control APIs

Control APIs allow developers to access and manipulate resources under central Control, including but not limited to querying devices and routing. This chapter describes how to correctly call the Control API.

Before Development

Before calling Control APIs, ensure you have obtained API access credentials and included them in the request Header.

UC APIs Protocol Specification

Protocols: HTTPS

Host: api.yealink.com

prefix: open/api

Version: v1

Accepts: application/json

Responds With: application/json

💡 The Host will depend on the deployment of the central control service; the value here is an example.

Request URL:

All API requests must be made over HTTPS. The base URL format for requests is:

{{Protocols}}:// {{Host}}/ {{prefix}}/ {{Version}} + specific API endpoint.

For example: <https://api.yealink.com/open/api/v1/auth/token>

Request Parameters:

Each API request must include the following three header parameters:

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Parameter	Header Type	Parameter Type	Required	
Token	Header	String	Yes	Access token
timestamp	Header	String	Yes	Timestamp, the number of milliseconds from midnight on January 1, 1970 (UTC) to the present.
nonce	Header	String	Yes	Random number, typically a uuid

Example Request Headers:

```
Token: [ACCESS TOKEN]
timestamp: 1568693976264
nonce: 097e0ac619ba41f68f16f1955787feb
```

Get Token

Request Method:

POST

Request URL:

/open/api/v1/auth/clientToken

Request Parameters:

Parameter	Parameter Type	Data Type	Required	Description
Authorization	Header	String	Yes	The value is the base64 (clientId:clientSecret)

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details
400	Client parameter exception

401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
token	String	Authentication token. This token should be included in the header when accessing other HTTP interfaces for authentication. Default validity is one hour.
expireTime	Integer	Token expiration time

Request Message Example:

```
POST /open/api/v1/auth/clientToken HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
Authorization:
ZmY3MTI4Y2JiZGl5NGRiMzk3ZTUxODY0YWM3ZDY2YmM6ZmY3MTI4Y2JiZGl5NGRiMzk3ZTUxODY0YW
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 0,
  "data": {
    "token":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDg5NDMzOTk3NjYsImkljoiNmZiZTI3NWMTY
    "expireTime": 1709176978079
  },
}
```

```
"error": null
}
```

CURL Example:

```
curl -XPOST -H 'Content-Type: application/json' -H 'Authorization:
ZmY3MTI4Y2JiZGIyNGRiMzk3ZTUxODY0YWM3ZDY2YmM6ZmY3MTI4Y2JiZGIyNGRiMzk3ZTUxODY0YW
'https://api.yealink.com/open/api/v1/auth/clientToken'
```

Update Token

Request Method:

PUT

Request URL:

/open/api/v1/auth/token

Request Parameters:

Parameter	Parameter Type	Data Type	Required	Description
token	Header	String	Yes	An authentication token, which can be used to refresh the token before expiration. Defaults to one hour.

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
-----------	-----------	-------------

token	String	Authentication token. This token should be included in the header when accessing other HTTP interfaces for authentication. Default validity is one hour.
expireTime	Integer	Token expiration time

Request Message Example:

```
PUT /open/api/v1/auth/token HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
Token:
```

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDg5NDMzOTk3NjYsImkljoiNmZiZTI3NWMtY2
```

Response Message Example:

```
HTTP/1.1 200
```

```
Content-Type: application/json;charset=UTF-8
```

```
{
  "ret": 0,
  "data": {
    "token":
      "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDg5NDMzOTk3NjYsImkljoiNmZiZTI3NWMtY2
    "expireTime": 1709176978079
  },
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
```

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
```

```
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
```

Basic APIs

Get Device Group List

Request Method:

GET

Request URL:

/open/api/v1/devices/group

Request Parameters:

None

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ID	String	Group ID, unique identifier
name	String	Group name, ensure uniqueness

Request Message Example:

```
GET /open/api/v1/devices/group HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8
{
  "ret": 1,
  "data": {
```

```
"list": [  
  {  
    "id": "1e65020e-6064-9bd0-1d6b-8de77400c884",  
    "name": "Device Group/Device Group",  
    "parentId": "4586020e-6064-9bd0-1d6b-8de77405dd26",  
    "level": 1,  
    "type": 0,  
    "createTime": 1705565760894,  
    "modifyTime": 1705565760894  
  }  
],  
"error": null  
}
```

CURL Example:

```
curl -XGET -H 'Token:  
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwYXNjaW50cnkiOiJDT  
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
```

Get Device Information List

Request Method:

POST

Request URL:

/open/api/v1/devices/filter

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Body	String	Yes	Group ID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception

401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ID	String	Device UUID
name	String	Device name
model	String	Device model
type	String	Device type, encoder, decoder
IP address	String	Device IP address
MAC address	String	MAC address
status	String	Device status: online, offline

Request Message Example:

```
POST /open/api/v1/devices/filter HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "groupId": "4586020e-6064-9bd0-1d6b-8de77405dd26"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json; charset=UTF-8

{
  "ret": 1,
  "data": {
    "list": [
      {
        "id": "EN300_249ad85a5be2",
        "name": "Untitled Device",
```

```
"tag": "tag",
"model": "SIP-T41S",
"type": "encoder",
"ipAddress": "117.28.234.38",
"macAddress": "249ad85a5be2",
"firmwareVersion": "10.0.0.1",
"groupId": "4586020e-6064-9bd0-1d6b-8de77405dd26",
"status": "online",
"createTime": 1705565760894,
"modifyTime": 1705565760894
}
],
},
"error": null
}
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Set Audio and Video Routing

Request Method:

PUT

Request URL:

/open/api/v1/routing/av/real

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Body	String	Yes	Group ID
transmit	Body	String	Yes	Transmitter's MAC address

terMac		g		
transmit terIp	Body	Strin g	Yes	Transmitter's IP address
receiver Mac	Body	Strin g	Yes	Receiver's MAC address
receiverI p	Body	Strin g	Yes	Receiver's IP address
signal	Body	Strin g	Yes	Route signals, Audio/Video, Video, Audio
action	Body	Strin g	Yes	Indicates whether the signal is enabled or disabled: open or close.

💡 When setting audio and video routes for the same device, a certain time interval must be maintained between setting the route signal and the route switch to allow the route to take effect on the device.

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ID	String	Device UUID
name	String	Device name
model	String	Device model
type	String	Device type, encoder, decoder
ipAddress	String	Device IP address
macAddress	String	macAddress

status	String	Device status: online, offline
--------	--------	--------------------------------

Request Message Example:

```
GET /open/api/v1/routing/av/real HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
  "transmitterMac": "2458122467125568",
  "transmitterIp": "10.60.26.16",
  "receiverMac": "5468124591324158",
  "receiverIp": "10.60.26.17",
  "signal": "Audio/Video",
  "action": "open"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json; charset=UTF-8

{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwYXNjaW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Get Audio and Video Routing Status

Request Method:

GET

Request URL:

/open/api/v1/routing/av/real

Request Parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Path	String	Yes	Group ID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
groupId	String	Group ID
transmitterMac	String	Transmitter's MAC address
receiverMac	String	Receiver's MAC address
signal	String	Route signals, Audio/Video, Video, Audio

Request Message Example:

```
GET /open/api/v1/routing/av/real?groupId=6581020e-6064-9bd0-1d6b-8de77400dfg5
HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json; charset=UTF-8

{
  "ret": 1,
```

```
"data": {
  "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
  "routing": [
    {
      "transmitterMac": "2458122467125568",
      "receiverMac": "5468124591324158",
      "signal": "Audio"
    },
    {
      "transmitterMac": "3458122467125569",
      "receiverMac": "5468124591324158",
      "signal": "Video"
    }
  ],
  "error": null
}
```

CURL Example:

```
curl -XGET -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
```

Get Preset Audio and Video Routing List

Request Method:

GET

Request URL:

/open/api/v1/routing/av/preset

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Path	String	Yes	Group ID

HTTP Status Codes:

Return Value	Description
--------------	-------------

200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
groupId	String	Group ID
Preset ID	String	Route ID
name	String	Route name
enable	Integer	Application status: 0 - Not Applied, 1 - Applied

Request Message Example:

```
GET /open/api/v1/routing/av/preset?groupId=6581020e-6064-9bd0-1d6b-8de77400dfg5
HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
    "presetList": [
      {
        "presetId": "1e65020e-6064-9bd0-1d6b-8de77400c884",
        "name": "Route Name",
        "enable": 1,
        "createTime": 1705565760894,
```

```
"modifyTime": 1705565760894,
"routing": [
{
"transmitterId": "88fd020e-6064-9bd0-1d6b-8de77400hdkv",
"transmitterName": "Encoder1",
"transmitterType": "encoder",
"transmitterMac": "2458122467125568",
"transmitterIp": "10.60.26.16",
"receiverId": "96fg020e-6064-9bd0-1d6b-8de77400025g",
"receiverName": "Decoder1",
"receiverType": "decoder",
"receiverMac": "5468124591324158",
"receiverIp": "10.60.26.17",
"signal": "Audio/Video"
}
]
},
"error": null
}
```

CURL Example:

```
curl -XGET -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Apply Preset Audio and Video Routing

Request Method:

PUT

Request URL:

/open/api/v1/routing/av/preset/enable

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
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groupId	Body	String	Yes	Group ID
presetId	Body	String	Yes	Route ID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
presetId	String	Route ID

Request Message Example:

```
PUT /open/api/v1/routing/av/preset/enable HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
  "presetId": "1e65020e-6064-9bd0-1d6b-8de77400c884"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "presetId": "1e65020e-6064-9bd0-1d6b-8de77400c884"
  },
}
```

```
"error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
enable'
```

Set USB Routing (Including Cancel Routing)

Request Method:

PUT

Request URL:

/open/api/v1/routing/usb

Request Parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Body	String	Yes	Group ID
mode	Body	String	Yes	USB routing mode, Follow Video/Manual
routing	Body	Array	Yes	Routing list
transmitterMac	Body	String	Yes	Transmitter's MAC address
transmitterIp	Body	String	Yes	Transmitter's IP address
receiverMac	Body	String	Yes	Receiver's MAC Address
receiverIp	Body	String	Yes	Receiver's IP address
signal	Body	String	Yes	Signal type: Audio/Video, None (Cancel Routing)

💡 When setting USB routes for the same device, maintain a time interval between route signal settings to allow the routes to take effect on the device.

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Integer	Operation failure returns -1, success returns > 0

Request Message Example:

```
PUT /open/api/v1/routing/usb HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
  "mode": "Manual",
  "routing": [
    {
      "transmitterMac": "2458122467125568",
      "transmitterIp": "10.60.26.16",
      "receiverMac": "5468124591324158",
      "receiverIp": "10.60.26.17",
      "signal": "Audio/Video"
    }
  ]
}
```

Response Message Example:

```
HTTP/1.1 200
```

Content-Type: application/json;charset=UTF-8

```
{  
  "ret": 0,  
  "data": null,  
  "error": null  
}
```

CURL Example:

```
curl -XPUT -H 'Token:  
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilzImNvdW50cnkiOiJDT  
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Get USB Routing List

Request Method:

GET

Request URL:

/open/api/v1/routing/usb

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Path	String	Yes	Group ID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
groupId	String	Group ID

mode	String	USB routing mode, Follow Video/Manual
routing	Array	Routing list
transmitterMac	String	Transmitter's MAC address
receiverMac	String	Receiver's MAC Address

Request Message Example:

```
GET /open/api/v1/routing/usb?groupId=6581020e-6064-9bd0-1d6b-8de77400dfg5
HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
    "mode": "Manual",
    "routing": [
      {
        "transmitterMac": "2458122467125568",
        "receiverMac": "5468124591324158"
      }
    ],
    "error": null
  }
}
```

CURL Example:

```
curl -XGET -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Switch USB Routing Mode

Request Method:

PUT

Request URL:

/open/api/v1/routing/usb/mode

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Body	String	Yes	Group ID
mode	Body	String	Yes	USB routing mode, Follow Video/Manual
routing	Body	Array	Yes	Routing list
transmitterMac	Body	String	Yes	Transmitter's MAC address
transmitterIp	Body	String	Yes	Transmitter's IP address
receiverMac	Body	String	Yes	Receiver's MAC Address
receiverIp	Body	String	Yes	Receiver's IP address

💡 To switch from Manual to Follow Video, set "routing": []. To switch from Follow Video to Manual, include all current routing configurations.

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
-----------	-----------	-------------

groupid	String	Group ID
---------	--------	----------

Request Message Example:

```
PUT /open/api/v1/routing/usb/mode HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "groupid": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
  "mode": "Manual",
  "routing": [
    {
      "transmitterMac": "2458122467125568",
      "transmitterIp": "10.60.26.16",
      "receiverMac": "5468124591324158",
      "receiverIp": "10.60.26.17"
    }
  ]
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json; charset=UTF-8

{
  "ret": 1,
  "data": {
    "groupid": "6581020e-6064-9bd0-1d6b-8de77400dfg5"
  },
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
```

eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDTi1KSU835cBaR3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem

Get Automatic Routing List

Request Method:

GET

Request URL:

/open/api/v1/routing/av/auto

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Path	String	Yes	Group ID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
groupId	String	Group ID
autoId	String	Automatic route group ID
name	String	Route name
enable	Integer	Application status: 0 - Not Applied, 1 - Applied

Request Message Example:

GET /open/api/v1/routing/av/auto?groupId=6581020e-6064-9bd0-1d6b-8de77400dfg5
HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
    "autoList": [
      {
        "autold": "1e65020e-6064-9bd0-1d6b-8de77400c884",
        "name": "Route Name",
        "enable": 1,
        "createTime": 1705565760894,
        "modifyTime": 1705565760894,
        "routing": [
          {
            "transmitterId": "88fd020e-6064-9bd0-1d6b-8de77400hdkv",
            "transmitterName": "Encoder1",
            "transmitterType": "encoder",
            "transmitterMac": "2458122467125568",
            "transmitterIp": "10.60.26.16",
            "receiverId": "96fg020e-6064-9bd0-1d6b-8de77400025g",
            "receiverName": "Decoder1",
            "receiverType": "decoder",
            "receiverMac": "5468124591324158",
            "receiverIp": "10.60.26.17",
            "enable": 1
          }
        ]
      }
    ]
  },
  "error": null
}
```

```
}
```

CURL Example:

```
curl -XGET -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Enable Automatic Routing

Request Method:

PUT

Request URL:`/open/api/v1/routing/av/auto/enable`**Request parameters:**

Parameter	Parameter Type	Data Type	Required	Description
groupId	Body	String	Yes	Group ID
autoId	Body	String	Yes	Automatic route group ID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
autoId	String	Automatic route group ID

Request Message Example:

```
PUT /open/api/v1/routing/av/auto/enable HTTP/1.1
Host: api.yealink.com
```

Content-Type: application/json

```
{
  "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
  "autoId": "1e65020e-6064-9bd0-1d6b-8de77400c884"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "autoId": "1e65020e-6064-9bd0-1d6b-8de77400c884"
  },
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
enable'
```

Disable Automatic Routing

Request Method:

PUT

Request URL:

/open/api/v1/routing/av/auto/disable

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
groupId	Body	String	Yes	Group ID

autold	Body	String	Yes	Automatic route group ID
--------	------	--------	-----	--------------------------

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Integer	Operation failure returns -1, success returns > 0

Request Message Example:

```
PUT /open/api/v1/routing/av/auto/disable HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "groupId": "6581020e-6064-9bd0-1d6b-8de77400dfg5",
  "autold": "1e65020e-6064-9bd0-1d6b-8de77400c884"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
disable'
```

Codec APIs

Set Codec Video Matrix Configuration

Request Method:

PUT

Request URL:

/open/api/v1/devices/video/input

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
batchConfig	Body	Object	No	Parameters for batch configuration
batchList	Body	Array	No	UUID list of devices to be configured in batch
singleList	Body	Array	No	Configuration list for individual devices
id	Body	String	Yes	Device UUID
ENCODER				
lanOut	Body	String	Yes	LAN out video source, default is USB-C
lanOutSwitching	Body	String	Yes	LAN auto-switching switch, 1 - Enabled, 0 - Disabled
loopOut	Body	String	Yes	Loop out video source, default is USB-C
loopOutSwitching	Body	String	Yes	Loop out auto-conversion switch, 1 - enabled, 0 - disabled
DECODER				
autoSwitching	Body	Integer	Yes	Automatic function switching toggle: 1 - Enabled, 0 - Disabled

hdmiOut	Body	String	Yes	Optional values: none, hdmi input1, lan in
videoCaptureOut	Body	String	Yes	Optional values: none, hdmi input1, lan in

💡 Batch configuration can only be used for devices of the same type.

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Integer	Operation failure returns -1, success returns > 0

Request Message Example:

```
PUT /open/api/v1/devices/video/input HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
Encoder:
```

```
{  
  "batchConfig": {  
    "lanOut": "usb-c",  
    "lanOutSwitching": 1,  
    "loopOut": "usb-c",  
    "loopOutSwitching": 1  
  },  
  "batchList": ["EN300_249ad85a5be2"],  
}
```

```
"singleList": [  
  {  
    "id": "EN300_256ad85a5ab5",  
    "lanOut": "usb-c",  
    "lanOutSwitching": 1,  
    "loopOut": "usb-c",  
    "loopOutSwitching": 1  
  }  
]  
}  
  
Decoder:  
{  
  "batchConfig": {  
    "hdmiOut": "lan in",  
    "videoCaptureOut": "none",  
    "autoSwitching": 1  
  },  
  "batchList": ["DE300_249ad85a5be2"],  
  "singleList": [  
    {  
      "id": "DE300_256ad85a5ab5",  
      "hdmiOut": "lan in",  
      "videoCaptureOut": "none",  
      "autoSwitching": 1  
    }  
  ]  
}
```

Response Message Example:

```
HTTP/1.1 200  
Content-Type: application/json;charset=UTF-8  
  
{
```

```
"ret": 0,  
"data": null,  
"error": null  
}
```

CURL Example:

```
curl -XPUT -H 'Token:  
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT  
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem  
input'
```

Get Codec Video Matrix Configuration handleId

Request Method:

POST

Request URL:

/open/api/v1/devices/video/input

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
list	Body	Array	Yes	Device UUID List

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
handleId	String	Task request ID for getting codec configuration

Request Message Example:

```
POST /open/api/v1/devices/video/input HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
{  
  "list": ["EN300_249ad85a5be2"]  
}
```

Response Message Example:

```
HTTP/1.1 200
```

```
Content-Type: application/json;charset=UTF-8
```

```
{  
  "ret": 1,  
  "data": {  
    "handleId": "45865020e-6064-9bd0-1d6b-8de77400c88"  
  },  
  "error": null  
}
```

CURL Example:

```
curl -XPOST -H 'Token:  
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwczQiOiJAsImFyZWEiOiJDTi1GSilslmNvdW50cnkiOiJDT  
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
```

Get Codec Video Matrix Configuration

Request Method:

GET

Request URL:

/open/api/v1/devices/video/input

Request parameters:

Param eter	Parameter Type	Data Type	Requi red	Description
handle	Path	String	Yes	Task request ID for getting codec

Id				configuration
----	--	--	--	---------------

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
reqFinish	Integer	Request completion flag, 1 - Stop requesting, 0 - Continue requesting
id	String	Device UUID
type	String	Device type, encoder, decoder
name	String	Device name
model	String	Device model
ENCODER		
lanOut	String	LAN out video source, default is USB-C
lanOutSwitching	String	LAN auto-switching switch, 1 - Enabled, 0 - Disabled
loopOut	String	Loop out video source, default is USB-C
loopOutSwitching	String	Loop out auto-conversion switch, 1 - enabled, 0 - disabled
DECODER		
autoSwitching	Integer	Automatic function switching toggle: 1 - Enabled, 0 - Disabled
hdmiOut	String	Optional values: none, hdmi input1, lan in
videoCaptureOutput	String	Optional values: none, hdmi input1, lan in

💡 When retrieving data in batches, the process may take some time. If reqFinish returns 0, it indicates that data collection is not complete. You need to wait for a period of time and resend the current request until reqFinish returns 1, signaling completion.

Request Message Example:

```
GET /open/api/v1/devices/video/input?
handleId=45865020e-6064-9bd0-1d6b-8de77400c88 HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8
```

```
{
  "ret": 1,
  "data": {
    "reqFinish": 1,
    "list": [
      {
        "id": "EN300_249ad85a5be2",
        "type": "encoder",
        "name": "VP59",
        "model": "VP59",
        "lanOut": "usb-c",
        "lanOutSwitching": 1,
        "loopOut": "usb-c",
        "loopOutSwitching": 1
      },
      {
        "id": "DE300_249ad85a5be2",
        "type": "decoder",
        "name": "VP59",
        "model": "VP59",
```

```
"hdmiOut": "lan in",
"videoCaptureOut": "none",
"autoSwitching": 1
}
],
},
"error": null
}
```

CURL Example:

```
curl -XGET -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Set Codec USB Configuration

Request Method:

PUT

Request URL:

/open/api/v1/devices/advanced/usb

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
usbMode	Body	String	Yes	USB signal mode, options: transmitter, receiver
usbSwitch	Body	String	Yes	Local USB Switch mode, options: follow_video, manual
usbHost	Body	String	Yes	Used in manual mode, options: usb_host1, usb_host2, usb_c
list	Body	Array	Yes	Device UUID List

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.

400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Integer	Operation failure returns -1, success returns > 0

Request Message Example:

```
PUT /open/api/v1/devices/advanced/usb HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
{
  "usbMode": "transmitter",
  "usbSwitch": "manual",
  "usbHost": "usb_c",
  "list": ["EN300_249ad85a5be2"]
}
```

Response Message Example:

```
HTTP/1.1 200
```

```
Content-Type: application/json;charset=UTF-8
```

```
{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
```

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwYXN0aW9udW50cnkiOiJDT
```

KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem

Get Codec USB Configuration

Request Method:

GET

Request URL:

/open/api/v1/devices/advanced/usb

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
id	Body	String	Yes	Device UUID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
usbMode	String	USB signal mode, options: transmitter, receiver
usbSwitch	String	Local USB switch mode, options: follow_video, manual
usbHost	String	Used in manual mode, options: usb_host1, usb_host2, usb_c

Request Message Example:

```
GET /open/api/v1/devices/advanced/usb?id=EN300_249ad85a5be2 HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

HTTP/1.1 200

Content-Type: application/json;charset=UTF-8

```
{
  "ret": 1,
  "data": {
    "usbMode": "transmitter",
    "usbSwitch": "manual",
    "usbHost": "usb_c"
  },
  "error": null
}
```

CURL Example:

```
curl -XGET -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
```

Set Codec Audio Configuration

Request Method:

PUT

Request URL:

/open/api/v1/devices/audio

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
batchConfig	Body	Object	No	Parameters for batch configuration
batchList	Body	Array	No	UUID list of devices to be configured in batch
singleList	Body	Array	No	Configuration list for individual devices
id	Body	String	Yes	Device UUID
analogAud	Body	Integer	Yes	HDMI out audio output switch, 1 - On, 0 -

ioOut		r		Off
audioOutVolume	Body	String	Yes	Audio output volume, 0-100

💡 Batch configuration can only be used for devices of the same type.

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Integer	Operation failure returns -1, success returns > 0

Request Message Example:

```
PUT /open/api/v1/devices/audio HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
{
  "batchConfig": {
    "analogAudioOut": 1,
    "audioOutVolume": 80
  },
  "batchList": ["EN300_249ad85a5be2"],
  "singleList": [
    {
      "id": "EN300_268d85a5dsc2",
      "analogAudioOut": 1,
```

```
"audioOutVolume": 80
}
]
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwczQiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Get Codec Audio Configuration handleId

Request Method:

POST

Request URL:

/open/api/v1/devices/audio

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
list	Body	Array	Yes	Device UUID List

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception

401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
handleId	String	Task request ID for getting codec configuration

Request Message Example:

```
POST /open/api/v1/devices/audio HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
{  
  "list": ["EN300_249ad85a5be2"]  
}
```

Response Message Example:

```
HTTP/1.1 200
```

```
Content-Type: application/json; charset=UTF-8
```

```
{  
  "ret": 1,  
  "data": {  
    "handleId": "45865020e-6064-9bd0-1d6b-8de77400c88"  
  },  
  "error": null  
}
```

CURL Example:

```
curl -XPOST -H 'Token:
```

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWEiOiJDTi1GSilslmNvdW50cnkiOiJDT
```

```
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
```

Get Codec Audio Configuration

Request Method:

GET

Request URL:

/open/api/v1/devices/audio

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
handleId	Path	String	Yes	Task request ID for getting codec configuration

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
reqFinish	Integer	Request completion flag, 1 - Stop requesting, 0 - Continue requesting
id	String	Device UUID
type	String	Device type, encoder, decoder
name	String	Device name
model	String	Device model
analogAudioOut	Integer	HDMI out audio output switch, 1 - On, 0 - Off
audioOutVolume	Integer	Audio output volume, 0-100

💡 When retrieving data in batches, the process may take some time. If reqFinish returns 0, it indicates that data collection is not complete. You need to wait for a period of time and resend the current request until reqFinish returns 1, signaling completion.

Request Message Example:

```
GET /open/api/v1/devices/audio?handleId=45865020e-6064-9bd0-1d6b-8de77400c88
HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "reqFinish": 1,
    "list": [
      {
        "id": "DE300_249ad85a5be2",
        "type": "decoder",
        "name": "VP59",
        "model": "VP59",
        "analogAudioOut": 1,
        "audioOutVolume": 80
      }
    ],
    "error": null
  }
}
```

CURL Example:

```
curl -XGET -H 'Token:
```

eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem

Debug Codec Display Control

Request Method:

PUT

Request URL:

/open/api/v1/devices/advanced/displayControl/test

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
controlType	Body	String	Yes	Control type. Default is CEC. Options: Off, CEC, RS232, IR
commandType	Body	String	Yes	Command type: hex, ascii
commandString	Body	String	Yes	Command string
serial	Body	String	Yes	RS232 serial port configuration. Required only when controlType is RS232
- baudRate	Body	Integer	Yes	Baud rate. Default is 9600. Options: 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
- dataBits	Body	Integer	Yes	Data bits: 7 or 8
- parity	Body	String	Yes	Parity bit: none, odd, even

- stopBits	Body	Integer	Yes	Stop bits: 1 or 2
- flowControl	Body	String	Yes	Flow control: none, dtr_dsr, rts_cts, xon_xoff
list	Body	Array	Yes	Device UUID list

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Integer	Returns -1 for failure, ≥ 0 for success

Request Message Example:

```
PUT /open/api/v1/devices/advanced/displayControl/test HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
{
  "controlType": "RS232",
  "commandType": "hex",
  "commandString": "xxxxxxxxxx",
  "serial": {
    "baudRate": 9600,
    "dataBits": 8,
    "parity": "none",
```

```
"stopBits": 1,  
"flowControl": "none"  
},  
"list": ["EN300_249ad85a5be2"]  
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json; charset=UTF-8

{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwczQiOiJAsImFyZWEiOiJDTi1GSilImNvdW50cnkiOiJDTi1KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
displayControl/test'
```

UI Design API

Query Room

Request Method:

POST

Request URL:

/open/api/v1/ctrl/spaces/page

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
skip	Body	Int	Yes	Number of skipped data entries
limit	Body	Int	Yes	Limit the number of displayed data

				entries
--	--	--	--	---------

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
total	Int	Total number of records
id	String	Project ID
name	String	Project name
createTime	Long	Create a timestamp, 13 digits
modifyTime	Long	Modify timestamp, 13 digits

Request Message Example:

```
POST /open/api/v1/ctrl/spaces/page HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
{  
  "skip": 0,  
  "limit": 50  
}
```

Response Message Example:

```
HTTP/1.1 200
```

```
Content-Type: application/json;charset=UTF-8
```

```
{
```

```
"ret": 1,
"data": {
  "skip": 0,
  "limit": 50,
  "total": 1,
  "list": [
    {
      "id": "6a670bb3-65b1-44c0-ba90-d63f733aa188",
      "name": "Space name 1",
      "createTime": 1453490850853,
      "modifyTime": 1453507911225
    }
  ],
  "error": null
}
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Query Preset Actions List

Request Method:

POST

Request URL:

/open/api/v1/ctrl/macros/page

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
spaceId	Body	String	Yes	Room ID
skip	Body	Int	Yes	Number of skipped data entries
limit	Body	Int	Yes	Limit the number of displayed data

				entries
--	--	--	--	---------

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
total	Int	Total number of records
id	String	Preset Action ID
name	String	Preset Action name

Request Message Example:

```
POST /open/api/v1/ctrl/macros/page HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "skip": 0,
  "limit": 50,
  "spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
```

```
"skip": 0,
"limit": 50,
"spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0",
"total": 1,
"list": [
{
"id": "6a670bb3-65b1-44c0-ba90-d63f733aa188",
"name": "Macro name 1"
}
],
"error": null
}
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Query Automation List

Request Method:

POST

Request URL:

/open/api/v1/ctrl/monitors/page

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
spaceId	Body	String	Yes	Room ID
skip	Body	Int	Yes	Number of skipped data entries
limit	Body	Int	Yes	Limit the number of displayed data entries

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
total	Int	Total number of records
id	String	Automation ID
name	String	Automation name
enable	Boolean	Enabled

Request Message Example:

```
POST /open/api/v1/ctrl/monitors/page HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "skip": 0,
  "limit": 50,
  "spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "skip": 0,
    "limit": 50,
```

```
"spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0",
"total": 1,
"list": [
{
"id": "6a670bb3-65b1-44c0-ba90-d63f733aa188",
"name": "Monitor name 1",
"enable": true
}
],
"error": null
}
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMHQfsVuem
```

Query Automatic Routing List

Request Method:

POST

Request URL:

/open/api/v1/ctrl/autoRoutings/page

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
spaceId	Body	String	Yes	Room ID
skip	Body	Int	Yes	Number of skipped data entries
limit	Body	Int	Yes	Limit the number of displayed data entries

HTTP Status Codes:

Return Value	Description
--------------	-------------

200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
total	Int	Total number of records
id	String	Automation ID
name	String	Automation name
enable	Boolean	Enabled

Request Message Example:

```
POST /open/api/v1/ctrl/autoRoutings/page HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "skip": 0,
  "limit": 50,
  "spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 1,
  "data": {
    "skip": 0,
    "limit": 50,
    "spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0",
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwcz3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Apply Preset Actions

Request Method:

POST

Request URL:

```
/open/api/v1/ctrl/macro/invoke
```

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
spaceId	Body	String	Yes	Room ID
macroId	Body	String	Yes	Preset Action ID

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed

500	Server exception
-----	------------------

Response Parameters:

Parameter	Data Type	Description
ret	Int	Greater than or equal to 0 means success.

Request Message Example:

```
POST /open/api/v1/ctrl/macro/invoke HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0",
  "macroId": "29c29caa-19c1-43f2-a628-84211c6402f9"
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json; charset=UTF-8

{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwY3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Disable/Enable Automation

Request Method:

PUT

Request URL:

/open/api/v1/ctrl/monitor

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
spaceId	Body	String	Yes	Room ID
monitorId	Body	String	Yes	Automation ID
enable	Body	Boolean	Yes	Automation status: true to enable, false to disable

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Int	Greater than or equal to 0 means success.

Request Message Example:

```
PUT /open/api/v1/ctrl/monitor HTTP/1.1
```

```
Host: api.yealink.com
```

```
Content-Type: application/json
```

```
{
  "spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0",
  "monitorId": "29c29caa-19c1-43f2-a628-84211c6402f9",
  "enable": true
}
```

```
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJD
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
monitor'
```

Disable/Enable Auto Routing

Request Method:

PUT

Request URL:

/open/api/v1/ctrl/autoRouting

Request parameters:

Parameter	Parameter Type	Data Type	Required	Description
spaceId	Body	String	Yes	Room ID
autoRoutingId	Body	String	Yes	Automation ID
enable	Body	Boolean	Yes	Automation status: true to enable, false to disable

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
ret	Int	Greater than or equal to 0 means success.

Request Message Example:

```
PUT /open/api/v1/ctrl/autoRouting HTTP/1.1
Host: api.yealink.com
Content-Type: application/json

{
  "spaceId": "04cc5185-d823-497b-97ae-dc1d934bd6f0",
  "autoRoutingId": "29c29caa-19c1-43f2-a628-84211c6402f9",
  "enable": true
}
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json; charset=UTF-8

{
  "ret": 0,
  "data": null,
  "error": null
}
```

CURL Example:

```
curl -XPUT -H 'Token:
```

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT  
KU835cBaRp3Ws_aZI6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem  
ctrl/autoRouting'
```

Preset Actions Update Polling

Request Method:

POST

Request URL:

/open/api/v1/ctrl/macro/longPolling

Request parameters:

None

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
204	Please re-initiate long polling
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
list	array(Int)	List of Room IDs where preset macros have changed

Request Message Example:

```
POST /open/api/v1/ctrl/macro/longPolling HTTP/1.1  
Host: api.yealink.com  
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200  
Content-Type: application/json;charset=UTF-8
```

```
{
  "ret": 0,
  "data": {
    "list": [
      "Space Id - 1",
      "Space Id - 2"
    ]
  },
  "error": null
}
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Automation Update Polling

Request Method:

POST

Request URL:

/open/api/v1/ctrl/monitor/longPolling

Request parameters:

None

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
204	Please re-initiate long polling
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
list	array(Int)	List of Room IDs where automation has changed

Request Message Example:

```
POST /open/api/v1/ctrl/monitor/longPolling HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 0,
  "data": {
    "list": [
      "Space Id - 1",
      "Space Id - 2"
    ]
  },
  "error": null
}
```

CURL Example:

```
curl -XPOST -H 'Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImF7ZWEiOiJDTi1GSilslmNvdW50cnkiOiJDT
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```

Auto Routing Update Polling

Request Method:

POST

Request URL:

/open/api/v1/ctrl/autoRouting/longPolling

Request parameters:

None

HTTP Status Codes:

Return Value	Description
200	Operation successful, see response parameters for details.
204	Please re-initiate long polling
400	Client parameter exception
401	Authentication failed
500	Server exception

Response Parameters:

Parameter	Data Type	Description
list	array(Int)	List of Room IDs where auto routing has changed

Request Message Example:

```
POST /open/api/v1/ctrl/autoRouting/longPolling HTTP/1.1
Host: api.yealink.com
Content-Type: application/json
```

Response Message Example:

```
HTTP/1.1 200
Content-Type: application/json;charset=UTF-8

{
  "ret": 0,
  "data": {
    "list": [
      "Space Id - 1",
      "Space Id - 2"
    ]
  },
  "error": null
}
```

```
}
```

CURL Example:

```
curl -XPOST -H 'Token:  
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJwc3QiOiJAsImFyZWUiOiJDTi1GSilslmNvdW50cnkiOiJDT  
KU835cBaRp3Ws_aZl6MHlrcqy8l2BSXz_XdgiGU5D3Cv0QwF7Bt9oWScNOspk4AbWVRTtYMhQfsVuem
```