

Director Mini API

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Introduction

For Director Mini, we have rich APIs for developers to interact with the device such as switch scenes, apply GFX, play video and BGM, control audio and start/stop streaming and recording. These APIs are based on the Hyper Text Transfer Protocol (HTTP) and are lightweight and connectionless interfaces without response data. This document gives you a detailed understanding of each API's functions and request mode.

APIs in this document apply to Director Mini (Firmware version: 2.4).

HTTP Status Code

Code	Description
200	Success
400	The request contains syntax errors, and required parameter is missing in the request.
403	The server has understood the request but refuses to execute it. The content of the operation does not exist or the operation behavior is prohibited to execute.
404	The server could not find the requested page. The requested interface is written incorrectly.

DEMO: Command Line

In different operating systems, you can install the wget and curl tools, and then you can call the Director Mini API from the command line by wget or curl commands.

The cookie file in the following example is stored in a different location in different operating systems, so please modify it according to the actual situation.

wget

1. Switch scenes by index.

```
wget "http://10.10.3.21:8080/V1.0/scene/switchByIndex?index=0" -q -O -
```

2. Switch to the next scene.

```
wget "http://10.10.3.21:8080/V1.0/scene/next" -q -O -
```

curl

1. Switch scenes by index.

```
curl "http://10.10.3.21:8080/V1.0/scene/switchByIndex?index=0"
```

2. Switch to the next scene.

```
curl "http://10.10.3.21:8080/V1.0/scene/next"
```

first

Use the interface to jump to the first BGM.

Request Mode

```
POST/GET http://ip/v1.0/bgm/first
```

Request Data

Null

Response Body

[HTTP Status Code](#)

last

Use the interface to jump to the last BGM.

Request Mode

```
POST/GET http://ip/v1.0/bgm/last
```

Request Data

Null

Response Body

[HTTP Status Code](#)

next

Use the interface to go to the next BGM.

Request Mode

```
POST/GET http://ip/v1.0/bgm/next
```

Request Data

Null

Response Body

[HTTP Status Code](#)

pause

Use the interface to pause BGM.

Request Mode

```
POST/GET http://ip/v1.0/bgm/pause
```

Request Data

Null

Response Body

[HTTP Status Code](#)

play

Use the interface to play BGM.

Request Mode

```
POST/GET http://ip/v1.0/bgm/play
```

Request Data

Null

Response Body

[HTTP Status Code](#)

playAction

Play/Pause BGM.

Request Mode

```
POST/GET http://ip/v1.0/bgm/playAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

previous

Use the interface to go to the previous BGM.

Request Mode

```
POST/GET http://ip/v1.0/bgm/previous
```

Request Data

Null

Response Body

[HTTP Status Code](#)

actionByIndex

Use the interface to display/undisplay GFX by index.

Request Mode

```
POST/GET http://ip/v1.0/gfx/actionByIndex?index=1&on=true
```

Request Data

Parameter	Type	Description
index	Int	The position of GFX in the list, which can be 1, 2...
on	Bool	Whether to apply the GFX to the composite image. True: Apply, False: Not apply. Non-essential parameter. Without this parameter, the device automatically displays or undisplay the GFX.

Response Body

[HTTP Status Code](#)

actionByName

Use the interface to display/undisplay GFX by name.

Request Mode

```
POST/GET http://ip/v1.0/gfx/actionByName?name=clock&on=true
```

Request Data

Parameter	Type	Description
name	String	The name of GFX
on	Bool	Whether to apply the GFX to the composite image. True: Apply, False: Not apply. Non-essential parameter. Without this parameter, the device automatically displays or undisplay the GFX.

Response Body

[HTTP Status Code](#)

clear

Use the interface to turn off all of GFXs.

Request Mode

```
POST/GET http://ip/v1.0/gfx/clear
```

Request Data

Null

Response Body

[HTTP Status Code](#)

adjustBallStrike

Use the interface to modify the number of balls and strikes.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/adjustBallStrike?ballChange=-3&strikeChange=-3
```

Request Data

Parameter	Type	Description
ballChange	Int	Change the number of balls. A positive value is to add, and a negative value is to decrease.
strikeChange	Int	Change the number of strikes. A positive value is to add, and a negative value is to decrease.

Response Body

[HTTP Status Code](#)

adjustOut

Use the interface to modify the number of Out.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/adjustOut?change=-3
```

Request Data

Parameter	Type	Description
adjustOut	Int	Change the number of Out. A positive value is to add, and a negative value is to decrease.

Response Body

[HTTP Status Code](#)

clearPitchCount

Use the interface to make both balls and strikes zero.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/clearPitchCount
```

Request Data

Null

Response Body

[HTTP Status Code](#)

firstPeriod

Use the interface to jump to the first period or the top of the first inning.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/firstPeriod
```

Request Data

Null

Response Body

[HTTP Status Code](#)

gameTimeAction

Use the interface to start/resume/pause the game time.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/gameTimeAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

lastPeriod

Use the interface to jump to the last period. (Unavailable for baseball scoreboard)

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/lastPeriod
```

Request Data

Null

Response Body

[HTTP Status Code](#)

nextPeriod

Use the interface to jump to the next period or the next half (baseball).

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/nextPeriod
```

Request Data

Null

Response Body

[HTTP Status Code](#)

pauseGameTime

Use the interface to pause the game time.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/pauseGameTime
```

Request Data

Null

Response Body

[HTTP Status Code](#)

playGameTime

Use the interface to start or resume counting game time.

Request Mode

POST/GET http://ip/v1.0/gfx/scoreboard/playGameTime

Request Data

Null

Response Body

[HTTP Status Code](#)

previousPeriod

Use the interface to jump to the previous period or the previous half (baseball).

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/previousPeriod
```

Request Data

Null

Response Body

[HTTP Status Code](#)

reset

Use the interface to reset the scoreboard.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/reset
```

Request Data

Null

Response Body

[HTTP Status Code](#)

setCountdown

Use the interface to set the time of countdown timer.

Request Mode

```
POST/GET http://ip/V1.0/gfx/scoreboard/setCountdown?h=1&m=2&s=3&sss=100&time=10:00
```

Request Data

Parameter	Type	Description
h	Int	Hour, ranging from 0 to ∞
m	Int	Minute, ranging from 0 to ∞
s	Int	Second, ranging from 0 to ∞
sss	Int	Millisecond, ranging from 0 to 999
time	String	Game time, such as 01:05:06, 05:06, 6:06, 9.8, 9, 0.5. When this value exists, the h, m, s, and sss parameters will be ignored.

Response Body

[HTTP Status Code](#)

setGameTime

Use the interface to set game time.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/setGameTime?h=1&m=2&s=3&sss=100&time=10:00
```

Request Data

Parameter	Type	Description
h	Int	Hour, ranging from 0 to ∞
m	Int	Minute, ranging from 0 to ∞
s	Int	Second, ranging from 0 to ∞
sss	Int	Millisecond, ranging from 0 to 999
time	String	Game time, such as 01:05:06, 05:06, 6:06, 9.8, 9, 0.5. When this value exists, the h, m, s, and sss parameters will be ignored.
modifyTimeFormat	Boolean	Whether to modify time format when set time parameters. True: Yes, False: No.

Response Body

[HTTP Status Code](#)

setOnBaseRunners

Use the interface to set on-base runner indicators.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/setOnBaseRunners?position=-3&touchBase=true
```

Request Data

Parameter	Type	Description
position	Int	Base. 1: first base 2: second base 3: third base
touchBase	Boolean	Whether the runner is on base. true: Yes; false: No

Response Body

[HTTP Status Code](#)

setPeriod

Use the interface to go the specified period or inning.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/setPeriod?period=1
```

Request Data

Parameter	Type	Description
period	Int	The position of the period in the list, 1, 2, 3...

Baseball scoreboard innings, 1: Top haft of 1st inning, 2: Bottom half of 1st inning, 3: Top half of 2nd inning... |

Response Body

[HTTP Status Code](#)

setScoreOfGuest

Use the interface to set the score of guest team.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/setScoreOfGuest?score=3
```

Request Data

Parameter	Type	Description
score	Int	The score of guest team

Response Body

[HTTP Status Code](#)

setScoreOfHome

Use the interface to set the score of home team.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/setScoreOfHome?score=3
```

Request Data

Parameter	Type	Description
score	Int	The score of home team

Response Body

[HTTP Status Code](#)

setTimeFormat

Use the interface to set game time format.

Request Mode

```
POST/GET http://ip/V1.0/gfx/scoreboard/setTimeFormat?timeFormat=1
```

Request Data

Parameter	Type	Description
timeFormat	Int	Time format. 0: h:mm:ss 1: mm:ss 2: mm:ss.d 3: mm:ss, ss.d

Response Body

[HTTP Status Code](#)

showBallStrike

Use the interface to show balls and strikes.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/showBallStrike?show=true
```

Request Data

Parameter	Type	Description
show	Boolean	Whether to show balls and strikes. true: Show, false: Hide

Response Body

[HTTP Status Code](#)

showCountdown

Use the interface to show game time countdown.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/showCountdown?show=true
```

Request Data

Parameter	Type	Description
show	Boolean	Whether to show game time countdown. true: show, false: hide

Response Body

[HTTP Status Code](#)

showGameName

Use the interface to show game name.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/showGameName?show=true
```

Request Data

Parameter	Type	Description
show	Boolean	Whether to show game name. true: show, false: hide

Response Body

[HTTP Status Code](#)

showGameTime

Use the interface to show game time count-up.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/showGameTime?show=true
```

Request Data

Parameter	Type	Description
show	Boolean	Whether to show game time count-up. true: show, false: hide

Response Body

[HTTP Status Code](#)

showInning

Use the interface to show the number of innings.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/showInning?show=true
```

Request Data

Parameter	Type	Description
show	Boolean	Whether to show the number of innings. true: Show, false: Hide

Response Body

[HTTP Status Code](#)

showOnBaseRunners

Use the interface to show on-base runners indicators.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/showOnBaseRunners?show=true
```

Request Data

Parameter	Type	Description
show	Boolean	Whether to show on-base runners indicators. true: Show, false: Hide

Response Body

[HTTP Status Code](#)

showOut

Use the interface to show the number of outs.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/showOut?show=true
```

Request Data

Parameter	Type	Description
show	Boolean	Whether to show the number of outs. true: Show, false: Hide

Response Body

[HTTP Status Code](#)

updateScoreOfGuest

Use the interface to change the score of guest team.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/updateScoreOfGuest?changeScore=3
```

Request Data

Parameter	Type	Description
changeScore	Int	The score to add or decrease. Positive is a plus, and negative is a minus.

Response Body

[HTTP Status Code](#)

updateScoreOfHome

Use the interface to change the score of home team.

Request Mode

```
POST/GET http://ip/v1.0/gfx/scoreboard/updateScoreOfHome?changeScore=3
```

Request Data

Parameter	Type	Description
changeScore	Int	The score to add or decrease. Positive is a plus, and negative is a minus.

Response Body

[HTTP Status Code](#)

pause

Use the interface to pause the timer.

Request Mode

```
POST/GET http://ip/v1.0/gfx/countdown/pause
```

Request Data

Null

Response Body

[HTTP Status Code](#)

play

Use the interface to start or resume the timer.

Request Mode

```
POST/GET http://ip/v1.0/gfx/countdown/play
```

Request Data

Null

Response Body

[HTTP Status Code](#)

playAction

Use the interface to start/resume/pause the timer.

Request Mode

```
POST/GET http://ip/v1.0/gfx/countdown/playAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

reset

Use the interface to reset the timer.

Request Mode

```
POST/GET http://ip/v1.0/gfx/countdown/reset
```

Request Data

Null

Response Body

[HTTP Status Code](#)

pause

Use the interface to pause the stopwatch.

Request Mode

```
POST/GET http://ip/v1.0/gfx/stopwatch/pause
```

Request Data

Null

Response Body

[HTTP Status Code](#)

play

Use the interface to start or resume the stopwatch.

Request Mode

```
POST/GET http://ip/v1.0/gfx/stopwatch/play
```

Request Data

Null

Response Body

[HTTP Status Code](#)

playAction

Use the interface to start/resume/pause the stopwatch.

Request Mode

```
POST/GET http://ip/v1.0/gfx/stopwatch/playAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

reset

Use the interface to reset the stopwatch.

Request Mode

```
POST/GET http://ip/v1.0/gfx/stopwatch/reset
```

Request Data

Null

Response Body

[HTTP Status Code](#)

addEvent

Use the interface to save an event.

Request Mode

```
POST/GET http://ip/v1.0/replay/addEvent?duration=5
```

Request Data

Parameter	Type	Description
duration	Int	The duration of event, in second, ranging from 3 to 60

Response Body

[HTTP Status Code](#)

backward

Use the interface to rewind the video backward.

Request Mode

```
POST/GET http://ip/v1.0/replay/backward
```

Request Data

Null

Response Body

[HTTP Status Code](#)

enterReplayMode

Use the interface to enter the replay mode.

Request Mode

```
POST/GET http://ip/v1.0/replay/enterReplayMode
```

Request Data

Null

Response Body

[HTTP Status Code](#)

exitReplayMode

Use the interface to exit the replay mode.

Request Mode

```
POST/GET http://ip/v1.0/replay/exitReplayMode
```

Request Data

Null

Response Body

[HTTP Status Code](#)

forward

Use the interface to wind the video forward.

Request Mode

```
POST/GET http://ip/v1.0/replay/forward
```

Request Data

Null

Response Body

[HTTP Status Code](#)

getEventList

Use the interface to get the event list.

Request Mode

POST/GET http://ip/V1.0/replay/getEventList

Request Data

Null

Response Body

```
{
  "status": 0,
  "message": "SUCCESS",
  "eventList": [
    {
      "replayRecordId": 45,
      "totalSize": 11978125,
      "duration": 5000
    },
    {
      "replayRecordId": 44,
      "totalSize": 8993489,
      "duration": 5000
    }
  ]
}
```

Name	Description
replayRecordId	The event ID
totalSize	The size of event file, in byte
duration	Duration, in millisecond

[HTTP Status Code](#)

muteAudio

Use the interface to mute the audio of replay.

Request Mode

```
POST/GET http://ip/v1.0/replay/muteAudio?mute=true
```

Request Data

Parameter	Type	Description
mute	Boolean	Whether to mute the audio of replay. False: Not mute, true: Mute. Non-essential parameter. Without this parameter, the device automatically mutes or unmutes the audio.

Response Body

[HTTP Status Code](#)

muteMic

Use the interface to mute the microphone during replay.

Request Mode

```
POST/GET http://ip/v1.0/replay/muteMic?mute=true
```

Request Data

Parameter	Type	Description
mute	Boolean	Whether to mute. False: Not mute, true: mute. Non-essential parameter. Without this parameter, the device automatically mutes or unmutes the audio.

Response Body

[HTTP Status Code](#)

pause

Use the interface to pause replay.

Request Mode

```
POST/GET http://ip/v1.0/replay/pause
```

Request Data

Null

Response Body

[HTTP Status Code](#)

play

Use the interface to play or resume replay.

Request Mode

```
POST/GET http://ip/v1.0/replay/play
```

Request Data

Null

Response Body

[HTTP Status Code](#)

playAction

Use the interface to play, resume or pause the replay.

Request Mode

```
POST/GET http://ip/v1.0/replay/playAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

replayEvent

Use the interface to replay an event.

Request Mode

```
POST/GET http://ip/v1.0/replay/replayEvent?replayRecordId=23
```

Request Data

Parameter	Type	Description
replayRecordId	Int	The event ID. When replayRecordId is -1, it means to replay the last event.

Response Body

[HTTP Status Code](#)

replayFromSecondsAgo

Use the interface to start replay from N seconds before the end of replay buffer.

Request Mode

```
POST/GET http://ip/v1.0/replay/replayFromSecondsAgo?seconds=5
```

Request Data

Parameter	Type	Description
seconds	Int	Second, ranging from 3 to 60

Response Body

[HTTP Status Code](#)

rewindToStart

Use the interface to rewind to the start.

Request Mode

```
POST/GET http://ip/v1.0/replay/rewindToStart
```

Request Data

Null

Response Body

[HTTP Status Code](#)

seek

Use the interface to set the progress of replay.

Request Mode

```
POST/GET http://ip/v1.0/replay/seek?progress=0
```

Request Data

Parameter	Type	Description
progress	Double	The progress of replay, ranging from 0 to 1.

Response Body

[HTTP Status Code](#)

selectLens

Use th interface to select the replay image.

Request Mode

```
POST/GET http://ip/v1.0/replay/selectLens?lensIndex=0
```

Request Data

Parameter	Type	Description
lensIndex	Int	The combination mode of replay image 0: camera 1 1: camera 2 2: side-by-side

Response Body

[HTTP Status Code](#)

setSpeed

Use the interface to set the playback speed.

Request Mode

```
POST/GET http://ip/v1.0/replay/setSpeed?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The playback speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

AIHumanTrackingAction

Use the interface to start/stop AI human tracking (for OBSBOT Webcams).

Request Mode

```
POST/GET http://ip/v1.0/ptz/AIHumanTrackingAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

autoFocus

Use the interface to auto focus.

Request Mode

```
POST/GET http://ip/v1.0/ptz/autoFocus
```

Request Data

Null

Response Body

[HTTP Status Code](#)

focusFar

Use the interface to focus far.

Request Mode

```
POST/GET http://ip/V1.0/ptz/focusFar?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The speed at which the focal length gets longer, ranging from 0 to 1.

Response Body

[HTTP Status Code](#)

focusNear

Use the interface to focus near.

Request Mode

```
POST/GET http://ip/v1.0/ptz/focusNear?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The speed at which the focal length gets closer, ranging from 0 to 1.

Response Body

[HTTP Status Code](#)

focusStop

Use the interface to stop focusing far/near.

Request Mode

```
POST/GET http://ip/v1.0/ptz/focusStop
```

Request Data

Null

Response Body

[HTTP Status Code](#)

getDeviceList

Use the interface to select the layer to control.

Request Mode

```
POST/GET http://ip/V1.0/ptz/getDeviceList
```

Request Data

Null

Response Body

```
{
  "status": 0,
  "message": "SUCCESS",
  "current": "fd25f538-3777-4962-97ba-c4617b05fcbe",
  "deviceList": [
    "fd25f538-3777-4962-97ba-c4617b05fcbe",
    "7bc1eb0f-14e2-4b04-9812-1da13f056f2f"
  ]
}
```

Property	Description
status	Response status. 0: success
current	The ID of the PTZ device under control
deviceList	Available PTZ device list

[HTTP Status Code](#)

goToPreset

Use the interface to call the preset.

Request Mode

```
POST/GET http://ip/V1.0/ptz/goToPreset?position=1
```

Request Data

Parameter	Type	Description
position	Int	The preset number, ranging from 1 to 9

Response Body

[HTTP Status Code](#)

moveDown

Use the interface to move the PTZ camera downward.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveDown?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

moveDownLeft

Use the interface to move the PTZ camera to bottom left.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveDownLeft?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

moveDownRight

Use the interface to move the PTZ camera to bottom right.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveDownRight?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

moveHome

Use the interface to move the PTZ camera to the Pan/Tilt center.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveHome
```

Request Data

Null

Response Body

[HTTP Status Code](#)

moveLeft

Use the interface to move the PTZ camera leftward.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveLeft?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

moveRight

Use the interface to move the PTZ camera rightward.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveRight?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

moveStop

Use th interface to stop moving the PTZ camera.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveStop
```

Request Data

Null

Response Body

[HTTP Status Code](#)

moveUp

Use the interface to move the PTZ camera upward.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveUp?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

moveUpLeft

Use the interface to move the PTZ camera to upper left.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveUpLeft?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

moveUpRight

Use the interface to move the PTZ camera to upper right.

Request Mode

```
POST/GET http://ip/v1.0/ptz/moveUpRight?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The moving speed, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

recordAction

Use the interface to start or stop recording (for OBSBOT Tail Air).

Request Mode

```
POST/GET http://ip/v1.0/ptz/recordAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

reset

Use the interface to reset the OBSBOT Webcam.

Request Mode

```
POST/GET http://ip/v1.0/ptz/reset
```

Request Data

Null

Response Body

[HTTP Status Code](#)

selectedControl

Use the interface to select the PTZ layer to control.

Request Mode

```
POST/GET http://ip/v1.0/ptz/selectedControl?id=35486f14-4799-4444-903b-22db131f0abb
```

Request Data

Parameter	Type	Description
id	String	The unique ID of the layer corresponding to the PTZ camera

Response Body

[HTTP Status Code](#)

setHumanTrackingMode

Use the interface to set human tracking mode (for OBSBOT Webcams).

Request Mode

```
POST/GET http://ip/v1.0/ptz/setHumanTrackingMode?mode=normalTrack
```

Request Data

Parameter	Type	Description
mode	String	normalTrack: Normal tracking upperBody: Upper body closeUp: Close-up

Response Body

[HTTP Status Code](#)

setHumanTrackingSpeed

Use the interface to set human tracking speed (for OBSBOT Tail Air).

Request Mode

```
POST/GET http://ip/v1.0/ptz/setHumanTrackingSpeed?speed=slow
```

Request Data

Parameter	Type	Description
speed	String	Slow, fast, or standard

Response Body

[HTTP Status Code](#)

setHumanTrackingType

Use the interface to set human tracking type (for OBSBOT Tiny 2).

Request Mode

```
POST/GET http://ip/v1.0/ptz/setHumanTrackingType?type=1
```

Request Data

Parameter	Type	Description
type	int	0: Standard, 1: Motion

Response Body

[HTTP Status Code](#)

startAIHumanTracking

Use the interface to start AI human tracking (for OBSBOT Webcams).

Request Mode

```
POST/GET http://ip/v1.0/ptz/startAIHumanTracking
```

Request Data

Null

Response Body

[HTTP Status Code](#)

startRecording

Use the interface to start recording (for OBSBOT Tail Air).

Request Mode

```
POST/GET http://ip/v1.0/ptz/startRecording
```

Request Data

Null

Response Body

[HTTP Status Code](#)

stopAIHumanTracking

Use the interface to stop AI human tracking (for OBSBOT Webcams).

Request Mode

```
POST/GET http://ip/v1.0/ptz/stopAIHumanTracking
```

Request Data

Null

Response Body

[HTTP Status Code](#)

stopRecording

Use the interface to stop recording (for OBSBOT Tail Air).

Request Mode

```
POST/GET http://ip/v1.0/ptz/stopRecording
```

Request Data

Null

Response Body

[HTTP Status Code](#)

storePreset

Use the interface to save the current state as the preset.

Request Mode

```
POST/GET http://ip/V1.0/ptz/storePreset?position=1
```

Request Data

Parameter	Type	Description
position	Int	The preset number, ranging from 1 to 9

Response Body

[HTTP Status Code](#)

wakeUp

Use the interface to wake up the PTZ device (for OBSBOT Tiny 2).

Request Mode

```
POST/GET http://ip/v1.0/ptz/wakeUp
```

Request Data

Null

Response Body

[HTTP Status Code](#)

zoomIn

Use the interface to zoom in

Request Mode

```
POST/GET http://ip/v1.0/ptz/zoomIn?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The speed of zooming in, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

zoomOut

Use the interface to zoom out.

Request Mode

```
POST/GET http://ip/v1.0/ptz/zoomOut?speed=0.5
```

Request Data

Parameter	Type	Description
speed	double	The speed of zooming out, ranging from 0 to 1

Response Body

[HTTP Status Code](#)

zoomStop

Use the interface to stop zooming in/out.

Request Mode

```
POST/GET http://ip/v1.0/ptz/zoomStop
```

Request Data

Null

Response Body

[HTTP Status Code](#)

action

Use the interface to start or stop recording.

Request Mode

```
POST/GET http://ip/v1.0/record/action
```

Request Data

Null

Response Body

[HTTP Status Code](#)

screenshot

Use the interface to take screenshots of the program output.

Request Mode

```
POST/GET http://ip/v1.0/record/screenshot
```

Request Data

Null

Response Body

[HTTP Status Code](#)

start

Use the interface to start recording.

Request Mode

```
POST/GET http://ip/v1.0/record/start
```

Request Data

Null

Response Body

[HTTP Status Code](#)

stop

Use the interface to stop recording.

Request Mode

```
POST/GET http://ip/v1.0/record/stop
```

Request Data

Null

Response Body

[HTTP Status Code](#)

first

Use the interface to switch to the first scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/first
```

Request Data

Null

Response Body

[HTTP Status Code](#)

freeze

Use the interface to freeze the current scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/freeze
```

Request Data

Null

Response Body

[HTTP Status Code](#)

freezeToggle

Use the interface to switch the frozen state of the current scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/freezeToggle
```

Request Data

Null

Response Body

[HTTP Status Code](#)

ftbToggle

Use the interface to switch the enabling state of FTB.

Request Mode

```
POST/GET http://ip/v1.0/scene/ftbToggle
```

Request Data

Null

Response Body

[HTTP Status Code](#)

last

Use the interface to switch to the last scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/last
```

Request Data

Null

Response Body

[HTTP Status Code](#)

next

Use the interface to switch to the next scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/next
```

Request Data

Null

Response Body

[HTTP Status Code](#)

pauseVideo

Use the interface to pause the video of the current scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/pauseVideo
```

Request Data

Null

Response Body

[HTTP Status Code](#)

playVideo

Use the interface to play the video of the current scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/playVideo
```

Request Data

Null

Response Body

[HTTP Status Code](#)

previous

Use the interface to switch to the previous scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/previous
```

Request Data

Null

Response Body

[HTTP Status Code](#)

setFTBDuration

Use the interface set the FTB transition duration.

Request Mode

```
POST/GET http://ip/v1.0/scene/setFTBDuration?duration=1000
```

Request Data

Parameter	Type	Description
duration	Int	Duration, in ms

Response Body

[HTTP Status Code](#)

setQuickSwitch

Use the interface to toggle on/off quick switch.

Request Mode

```
POST/GET http://ip/v1.0/scene/setQuickSwitch?state=off
```

Request Data

Parameter	Type	Description
state	String	On: toggle on, Off: toggle off Non-essential parameter. Without this parameter, the device automatically toggles on/off quick switch.

Response Body

[HTTP Status Code](#)

setTransitionAnimation

Use the interface to set the transition effect.

Request Mode

```
POST/GET http://ip/v1.0/scene/setTransitionAnimation?name=cut
```

Request Data

Parameter	Type	Description
name	String	Transition effect. Cut: cut, Fade: fade

Response Body

[HTTP Status Code](#)

setTransitionDuration

Use the interface to set the transition effect duration.

Request Mode

```
POST/GET http://ip/v1.0/scene/setTransitionDuration?duration=1000
```

Request Data

Parameter	Type	Description
duration	Int	Duration, in ms

Response Body

[HTTP Status Code](#)

switchByIndex

Use the interface to switch to the specific scene by index.

Request Mode

```
POST/GET http://ip/v1.0/scene/switchByIndex?index=0&switchEffect=1
```

Request Data

Parameter	Type	Description
index	Int	The scene index in the list, which can be 1, 2...
switchEffect	Int	Transition effect. 0: Cut, 1: Fade. Non-essential parameter, which only takes effect when switching the Preview scene to Program view.

Response Body

[HTTP Status Code](#)

switchByName

Use the interface to switch to the specific scene by name.

Request Mode

```
POST/GET http://ip/v1.0/scene/switchByName?name=scene1&switchEffect=1
```

Request Data

Parameter	Type	Description
name	String	The scene's name
switchEffect	Int	Transition effect. 0: Cut, 1: Fade. Non-essential parameter, which only takes effect when switching the Preview scene to Program view.

Response Body

[HTTP Status Code](#)

toggleFreeze

Use the interface to freeze or unfreeze the current scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/toggleFreeze
```

Request Data

Null

Response Body

[HTTP Status Code](#)

toggleFTB

Use the interface to enable/disable FTB.

Request Mode

```
POST/GET http://ip/v1.0/scene/toggleFTB
```

Request Data

Null

Response Body

[HTTP Status Code](#)

toggleOffFTB

Use the interface to disable FTB.

Request Mode

```
POST/GET http://ip/v1.0/scene/toggleOffFTB
```

Request Data

Null

Response Body

[HTTP Status Code](#)

toggleOnFTB

Use the interface to enable FTB.

Request Mode

```
POST/GET http://ip/v1.0/scene/toggleOnFTB
```

Request Data

Null

Response Body

[HTTP Status Code](#)

unfreeze

Use the interface to unfreeze the current scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/unfreeze
```

Request Data

Null

Response Body

[HTTP Status Code](#)

videoPlayAction

Use the interface to play/pause the video in the current scene.

Request Mode

```
POST/GET http://ip/v1.0/scene/videoPlayAction
```

Request Data

Null

Response Body

[HTTP Status Code](#)

switchByIndex

Use the interface to switch to the specific show by index.

Request Mode

```
POST/GET http://ip/V1.0/show/switchByIndex?index=0
```

Request Data

Parameter	Type	Description
index	Int	The index of show in the list, which can be 0, 1, 2...

Response Body

[HTTP Status Code](#)

switchByName

Use the interface to switch to the specific show by name.

Request Mode

```
POST/GET http://ip/V1.0/show/switchByName?name=Default 1080p60 fps
```

Request Data

Parameter	Type	Description
name	String	The show name

Response Body

[HTTP Status Code](#)

actionByIndex

Use the interface to start/stop streaming by index.

Request Mode

```
POST/GET http://ip/v1.0/stream/actionByIndex?index=0&start=true
```

Request Data

Parameter	Type	Description
index	Int	The index of stream server in the list, which can be 1, 2...
start	Bool	Control streaming. True: start, False: stop Non-essential parameter. Without this parameter, the device automatically starts/stops streaming.

Response Body

[HTTP Status Code](#)

actionByName

Use the interface to start/strop streaming by name.

Request Mode

```
POST/GET http://ip/v1.0/stream/actionByName?name=clock&start=true
```

Request Data

Parameter	Type	Description
name	String	The stream server's name
start	Bool	Control streaming. True: start, False: stop Non-essential parameter. Without this parameter, the device automatically starts/stops streaming.

Response Body

[HTTP Status Code](#)

stopAll

Use the interface to stop all the ongoing streaming services.

Request Mode

```
POST/GET http://ip/v1.0/stream/stopAll
```

Request Data

Null

Response Body

[HTTP Status Code](#)

reboot

Use the interface to reboot the device.

Request Mode

```
POST/GET http://ip/v1.0/system/reboot
```

Request Data

Null

Response Body

[HTTP Status Code](#)

setUSBCMode

Use the interface to set the content displayed on the external screen.

Request Mode

```
POST/GET http://ip/V1.0/system/setUSBCMode?mode=1
```

Request Data

Parameter	Type	Description
mode	Int	The content displayed on the external screen. 0: Duplicate Screen 1: Clean Program 2: Loop HDMI 1 3: Loop HDMI 2 4: Multi-view 5: Preview

Response Body

[HTTP Status Code](#)

shutdown

Use the interface to power off the device.

Request Mode

```
POST/GET http://ip/v1.0/system/shutdown
```

Request Data

Null

Response Body

[HTTP Status Code](#)

getMonitorDevices

Use the interface to get monitor device list.

Request Mode

POST/GET http://ip/V1.0/volume/getMonitorDevices

Request Data

Null

Response Body

```
{ "monitorAudioDeivceList": [ { "audioSourceId": 0, "cardNo": 0, "devNo": 0, "deviceType": 0, "direction": 0, "id": 0, "isMic": true, "sourceType": 0 }, { "audioSourceId": 2, "cardName": "USB Capture HDMI+", "cardNo": 3, "devNo": 0, "deviceType": 1, "direction": 0, "id": 2, "isMic": true, "name": "HDMI [USB Capture HDMI+]", "sourceType": 0 }, { "audioSourceId": 2, "cardName": "C204221201227", "cardNo": 4, "devNo": 0, "deviceType": 1, "direction": 0, "id": 2, "isMic": true, "name": "C204221201227 [C204221201227] #0", "sourceType": 0 } ], "message": "SUCCESS", "status": 0 }
```

1. Response Status

```
"status": 0
```

Property	Description
status	Response status. 0: success
message	The description of response status
monitorAudioDeivceList	The monitor device list

2. monitorAudioDeivceList [{...}]

```
"monitorAudioDeivceList": [
  {
    "audioSourceId": 0,
    "cardNo": 0,
    "devNo": 0,
    "deviceType": 0,
    "direction": 0,
    "id": 0
  },
  {
    "audioSourceId": 1,
    "cardNo": 0,
    "devNo": 0,
    "deviceType": 0,
    "direction": 0,
    "id": 1
  }
]
```

Property	Description
audioSourceId	The ID of audio source
deviceType	The device type. 0: Internal audio device 1: External audio device
id	The device ID
devNo	The device number
cardNo	The card number

[HTTP Status Code](#)

monitorMicInput

Use the interface to set the microphone input of monitor.

Request Mode

```
POST/GET http://ip/V1.0/volume/monitorMicInput?on=true
```

Request Data

Parameter	Type	Description
on	Bool	Whether to mix the microphone audio to monitor

Response Body

[HTTP Status Code](#)

setMonitorDevice

Use the interface to set the monitor device.

Request Mode

```
POST/GET http://ip/V1.0/volume/setMonitorDevice?deviceId=1&deviceType=0&cardNo=0&devNo=0
```

Request Data

Parameter	Type	Description
deviceId	Int	The ID of audio device, which comes from /volume/getMonitorDevices
deviceType	Int	The audio device type, which comes from /volume/getMonitorDevices
cardNo	Int	The card number, which comes from /volume/getMonitorDevices
devNo	Int	The device number, which comes from /volume/getMonitorDevices

Audio Device Type

Audio Device Type	Description
0	Internal device, such as Headphone Jack
1	External device, such as Bluetooth device and USB device

Response Body

[HTTP Status Code](#)

setState

Use the interface to set audio state.

Request Mode

```
POST/GET http://ip/v1.0/volume/setState?type=3&state=1
```

Request Data

Parameter	Type	Description
type	Int	The audio type
state	Int	The audio state. 0: Always on (unmute), the audio is always mixed to the program output. 1: Always off (mute), the audio is always not mixed to the program output. 2: Audio-follow-video (AFV), only when the source is in the program view, the audio is mixed to the program output, which is the default value.

Audio Type

Audio Type	Description
0x0001	Monitor
0x0003	Program
0x0700	HDMI 1
0x0800	HDMI 2
0x0200	Microphone
0x0002	Video Clip
0x0300	Bluetooth
0x0600	BGM

Response Body

[HTTP Status Code](#)

setStreamAudioState

Use the interface to set the state of audio inputs.

Request Mode

```
POST/GET http://ip/V1.0/volume/setStreamAudioState?name=srt&state=1
```

Request Data

Parameter	Type	Description
name	String	The name of the stream source or USB input source
state	Int	The audio state. 0: Always on (unmute), the audio is always mixed to the program output. 1: Always off (mute), the audio is always not mixed to the program output. 2: Audio-follow-video (AFV), only when the source is in the program view, the audio is mixed to the program output, which is the default value.

Response Body

[HTTP Status Code](#)

setStreamAudioVolume

Use the interface to set the volume of audio input by name.

Request Mode

```
POST/GET http://ip/v1.0/volume/setStreamAudioVolume?name=rtmp&volume=0
```

Request Data

Parameter	Type	Description
name	String	The name of the stream source or USB input source
volume	Int	The dB value of audio, ranging from -40 to 10

Response Body

[HTTP Status Code](#)

setVolume

Use the interface to set audio volume.

Request Mode

```
POST/GET http://ip/V1.0/volume/setVolume?type=0&volume=0
```

Request Data

Parameter	Type	Description
type	Int	The audio type
volume	Int	The dB value of audio, ranging from -40 to 10

Audio Type

Audio Type	Description
0x0001	Monitor
0x0003	Program
0x0700	HDMI 1
0x0800	HDMI 2
0x0200	Microphone
0x0002	Video Clip
0x0300	Bluetooth
0x0600	BGM

Response Body

[HTTP Status Code](#)