

Document Overview

This document provides an overview of all interface (API) documentation exposed by the Android indoor device, including both external and internal interfaces.

2、HTTP API Documentation ``C External

2.1、How to enable HTTP API

一. Use Allowlist

1.

Access Login Interface

Enter `https://{IP_Address}` → Redirected to login page → Input credentials to authenticate

2.

3.

Configure Allowlist

Access `https://{IP_Address}/#/SecurityAPI` → Set API Status to Enabled →
Configure Authentication Mode as Allowlist → Enter

valid Username and Password

4.

5. Configure Allowlist Rules

Access `https://{IP_Address}/#/SecurityAllowlist` → Check Auto Answer When DND
Enabled → Click Add → Set both Device Location and SIP/IP to your local IP

address → Set Permissions to API

二. Use Digest

1.

Access Login Interface

Enter `https://{IP_Address}` → Redirected to login page → Input credentials to authenticate

2.

3. Configure Digest

Access `https://{IP_Address}/#/SecurityAPI` → Set API Status to Enabled →
Configure Authentication Mode as Digest → Enter

valid Username and Password

4. **Use Api** When you input the url and want to use api, you need to input right username and

password,if they are correct,you can use this api successfully.

2.1、30 Version API

2.1.1、Set the configuration items

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:**xxx.30.10.xxx,and other version above.

Brief Description

◆ This API is used to set the configuration items.

Request URL

◆ `https://{IP Address}/api/config/set?{config_name}={config_value}`

◆ About config_name Explanation of components **Component:** `Config.[Main Module].[Sub-module].[Specific parameters]` **Example:** `Config.Multicast.LISTEN4.IP`

- **Config:** A fixed prefix indicating that this is a configuration item.
- **[Main Module]:** Indicates the main functional area to which the configuration belongs (e.g., Network, Account1, Voice, Features).
- **[Sub-module]:** Further classification within the main module (e.g. GENERAL, SIP, VIDEO).
- **[Specific parameters]:** The final configuration key, describing the actual set functions (e.g. Url, UserName, Enable).

◆ **All Config Names:** You can use this url `https://{IP Address}/api/config/get` to get all config names, or can use this url `https://{IP Address}/#/UpgradeAdvanced` to export autop template.

Request Method

◆ GET

Request Parameters

Name	Type	Required	Description
config_name	String	Yes	configuration items that need to be set
config_value	String	Yes	the values that need to be set for the configuration items

Successful Response Example

```
{
```

```
"retcode": 0,

"action":
"set",

"message": "OK"

}
```

Failure Response Example

```
{

"retcode": -1,

"action": "set",

"message": "error
param"

}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"set" on success; "unknown" or others on failure
message	String	"OK" for success, Error description such as "error param"

Remarks



2.1.2、Get the specific configuration items

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:** xxx.30.10.xxx, and other version above.

Brief Description

◆ This API is used to get the specific configuration items.

Request

◆ **URL** https://{IP Address}/api/config/get

◆ **Data**

```
{
```

```
"action": "get",

"target":
"config",

"data": {

    "item": [

{Config1_name},

{Config2_name},

.....

{ConfigN_name},

]

}

}
```



Request Example



```
Url:https://192.168.3.54/api/config/get

{

"action": "get",

"target": "config",

"data": {

    "item": [

        "Config.Account1.GENERAL.Enable",

"Config.Account1.GENERAL.DisplayName",

        "Config.Account1.GENERAL.AuthName",

        "Config.Account1.GENERAL.UserName",

        "Config.Account1.GENERAL.Pwd",

        "Config.Account1.SIP.Server",
```

```
        "Config.Account1.SIP.Port",  
    ]  
}  
}
```



Request Method

◆ POST

Request Parameters

Name		Type	Required	Description
action	string	Yes		the action to do,here is get
target	string	Yes		here is config
item	array	Yes		name of the configuration item to be obtained

Successful Response Example

```
{  
    "retcode": 0,  
    "action": "get",  
    "message": "OK",  
    "data": {  
        "Config.Account1.GENERAL.Enable": "1",  
        "Config.Account1.GENERAL.DisplayName": "S563-1",  
        "Config.Account1.GENERAL.AuthName": "S563-1",  
        "Config.Account1.GENERAL.UserName": "S563-1",  
        "Config.Account1.GENERAL.Pwd": "saetmjsc",  
        "Config.Account1.SIP.Server": "192.168.1.100",  
        "Config.Account1.SIP.Port": "5060"  
    }  
}
```

Failure Response Example

```
{
```

```
"retcode": -1,

"action": "unknow",

"message": "Invalid http
request"

}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"get" on success; "unknow" or others on failure
message	String	"OK" for success, Error description such as "Invalid http request"
data	json	the specific configuration items

Remarks

2.1.3、Get the all configuration items

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:** xxx.30.10.xxx, and other version above.

Brief Description

◆ This API is used to get the all configuration items.

Request URL

◆ https://{IP Address}/api/config/get

Request Method

◆ GET

Request Parameters

◆ Null

Successful Response Example

```
{

"retcode": 0,

"action": "get",
```

```

"message": "OK",

"data": {

    "Config.Autoprovision.GENERAL.Url": "",

    "Config.Autoprovision.GENERAL.UserName": "",

    "Config.Autoprovision.GENERAL.Pwd": "",

    .....

}

}

```

Failure Response Example

```

{

    "retcode": -1,

    "action": "unknow",

    "message": "Invalid http request"

}

```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"get" on success; "unknow" or others on failure
message	String	"OK" for success, Error description such as "Invalid http request"
data	json	the all configuration items

Remarks

- ◆ About Successful Response Example, due to the excessive information of configuration items, only a part is displayed here.

2.1.4、Trigger the doorbell

[TOC]

Version and Model Support

This feature is supported on:

- ◆ **Model:** All Android Indoor Device
- ◆ **Version:** xxx.30.10.xxx, and other version above.

Brief Description

◆ This API is used to triggers the doorbell.

Request URL

◆ https://{IP Address}/api/doorbell/set?trigger={trigger_id}

Request Method

◆ GET

Request Parameters

Name	Type	Required	Description
trigger	int	Yes	triggers the doorbell, with a fixed value of 1

Successful Response Example

```
{
  "retcode": 0,
  "action":
"set",
  "message": "OK"
}
```

Failure Response Example

```
{
  "retcode": -1,
  "action": "set",
  "message": "wrong
params",
  "data": {
  }
}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"set" on success; "unknow" or others on failure
message	String	"OK" for success,Error description such as "wrong params", "dnd params out range", or "unsupport action"

data	json	when retcode is -1,the parameter will appear
------	------	--

Remarks



2.1.5、Set DND mode

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:**xxx.30.10.xxx,and other version above.

Brief Description

◆ This API is used to set DND mode.

Request URL

◆ `https://{IP Address}/api/thirdpart/dnd_mode?mode={mode_id}`

Request Method

◆ GET

Request Parameters

Name	Type	Required	Description
mode	String	Yes	DND mode to set 0=Close1=Open

Successful Response Example

```
{
  "retcode": 0,
  "action":
"dnd_mode",
  "message": "OK"
}
```

Failure Response Example

```
{
  "retcode": -1,
  "action": "dnd_mode",
  "message": "wrong
params"
}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"dnd_mode" on success; "unknow" or others on failure
message	String	"OK" for success, Error description such as "wrong params", "dnd params out range", or "unsupport action"

Remarks



2.1.6、Send a text message

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:** xxx.30.10.xxx, and other version above.

Brief Description

◆ This API is used to send text messages, supporting custom titles, content, and sources.

Request URL

◆ `https://{IP Address}/api/thirdpart/send_message?title={message_title}&content={message_content}&from={the_sender_of_the_message}`

Request Method

◆ GET

Request Parameters

Name	Type	Required	Description
title	String	Yes	The title of the message
content	String	Yes	The content of the message
from	String	No	The sender of the message

Successful Response Example

```
{
  "retcode": 0,
  "action":
  "send_message",
  "message": "OK"
}
```

Failure Response Example

```
{
  "retcode": -1,
  "action":
"send_message",
  "message": "wrong
params"
}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"send_message" on success; "unknown" or others on failure
message	String	"OK" for success, Error description such as "wrong params" or "unsupport action"

Remarks



2.1.7、Get Arming Log

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:** xxx.30.10.xxx, and other version above.

Brief Description

◆ This API is used to get the current arming log of the device.

Request URL

◆ https://{IP Address}/api/thirdpart/arm_log

Request Method

◆ GET

Successful Response Example

```
{
  "retcode": 0,
  "action": "arm_log",
  "message": {
```

```
"items": [

  {

    "Index": 1,

    "Location": "2",

    "ZoneId": 0,

    "ZoneType": "0",

    "customizeAlarm": "Alarm was Triggered",

    "nodeLocation": "",

    "Date": "2025-08-06",

    "Time": "04:50:53"

  }

],

"sum": 1

}
```

Failure Response Example

```
{

  "retcode": -4,

  "action": "arm_log",

  "message": "empty log"

}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"arm_mode" when the error is related to arming mode; "unknow" when the action is unsupported
message	String	Output log information for success,Error description such as "empty log"
Index	String	Unique identifier for the log entry

Location	String	Physical location code of the alarm trigger
ZoneId	String	ID of the monitoring zone
ZoneType	String	Type classification of the zone
customizeAlarm	String	Custom alarm trigger description
nodeLocation	String	Node position
Date	String	Alarm date in YYYY-MM-DD format
Time	String	Alarm time in HH:MM:SS format
sum	String	the Sum of alarms

Remarks



2.1.8、Set Arming Mode

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:**xxx.30.10.xxx,and other version above.

Brief Description

◆ This API is used to set the current arming (security) mode of the device, including Disarmed, Home, Night, or Away.

Request URL

◆ `https://{IP Address}/api/thirdpart/arm_mode?mode={mode_id}`

Request Method

◆ GET

Request Parameters

Name Type Required			Description
mode	String	Yes	Arming mode to set: 0 = Disarmed, 1 = Home, 2 = Night, 3 = Away

Successful Response Example

```
{
  "retcode":0,
  "action":"arm_mode"
,
  "message":"OK"
}
```

```
}
```

Failure Response Example

```
{  
  "retcode": -1,  
  "action": "arm_mode",  
  "message": "arm params out  
range"  
}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"arm_mode" when the error is related to arming mode; "unknow" when the action is unsupported
message	String	"OK" for success, Error description such as "wrong params", "arm params out range", or "unsupport action"

Remarks



2.1.9、Trigger Arming

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** All Android Indoor Device

◆ **Version:** xxx.30.10.xxx, and other version above.

Brief Description

◆ This API is used to select security zones and trigger pre-configured alarms on devices. To use it, you must enable the relevant zones, select any mode except Disarmed in Zone Mode configuration and check the corresponding zones before activation.

Request URL

◆ https://{IP Address}/api/thirdpart/trigger_arm?zone={zone_id}

Request Method

◆ GET

Request Parameters

Name	Type	Required	Description
------	------	----------	-------------

zone	String	Yes	Alarm-triggering zone to set: 1 = Zone1, 2 = Zone2, 3 = Zone3, 4 = Zone4, 5 = Zone5, 6 = Zone6, 7 = Zone7, 8 = Zone8
------	--------	-----	--

Successful Response Example

```
{
  "retcode": 0,
  "action": "trigger_arm",
  "message": "OK"
}
```

Failure Response Example

```
{
  "retcode": -1,
  "action": "trigger_arm",
  "message": "arm params out range"
}
```

Response Parameter Description

Name	Type	Description
retcode	String	"0" for success; negative values indicate failure
action	String	"trigger_arm" when the error is related to arming mode; "unknow" when the action is unsupported
message	String	"OK" for success, Error description such as "wrong params", "arm params out range", or "unsupport action"

Remarks



3、Phone 广播接口描述 - 对外

3.1、Process RTSP Credential Updates

[TOC]

Version and Model Support

This feature is supported on:

◆ **Model:** IT88

❖ **Version:**88.116.101.322 and above

Brief Description

- ❖ This Action is used to updates to RTSP streaming authentication credentials. Upon receiving a broadcast notification of RTSP password changes, it stores the new username and password in SharedPreferences for subsequent RTSP authentication.

Action

❖ `com.intercom.calls.RTSP_SETTING`

Example

❖

```
adb shell am broadcast -a "com.intercom.calls.RTSP_SETTING" --es user  
"your_username" --es pwd "your_password"
```

❖

```
Intent intent = new  
Intent("com.intercom.calls.RTSP_SETTING");  
  
intent.putExtra("user", "admin");  
  
intent.putExtra("pwd", "123456");  
  
sendBroadcast(intent);
```

❖

Request Parameters

Name Type Required			Description
user	String	Yes	New RTSP Authentication Username
pwd	String	Yes	New RTSP Authentication Password

Remarks

❖

3.2、Configure Device DND Mode

[TOC]

Version and Model Support

This feature is supported on:

❖ **Model:**IT88

❖ **Version:**88.116.101.322 and above

Brief Description

- ❖ This Action is used to sets the device's DND mode based on third-party call status. When the system receives a broadcast notification of call status changes, it determines whether to enable DND mode according to the current call state.

Action

❖ com.intercom.calls.CALL_STATUS

Example



```
adb shell am broadcast -a "com.intercom.calls.CALL_STATUS" --ei CALL_STATE  
call_state
```



```
Intent intent = new  
Intent("com.intercom.calls.CALL_STATUS");  
  
intent.putExtra("CALL_STATE", 1);  
  
sendBroadcast(intent);
```



Request Parameters

Name		Type	Required	Description
call_state	int	Yes		1=DND_ON0=DND_OFF

Remarks



3.3、 Set the device volume

[TOC]

Version and Model Support

This feature is supported on:

❖ **Model:**IT88

❖ **Version:**88.116.101.322 and above

Brief Description

- ❖ This Action is used to set the device volume,When the system receives the volume setting broadcast, it adjusts the volume settings based on the volume type (ringer volume or call volume) and volume value, and notifies you that the volume configuration has changed.

Action

❖ com.intercom.calls.VOLUME_SETTINGS

Example



```
adb shell am broadcast -a "com.intercom.calls.VOLUME_SETTINGS" --ei type 0 --ei  
volume 10
```



```
Intent intent = new
Intent("com.intercom.calls.VOLUME_SETTINGS");

intent.putExtra("type", 0);

intent.putExtra("volume", 14);

sendBroadcast(intent);
```



Request Parameters

Name	Type	Required	Description
type	int	Yes	0=RING_VOLUME 1=TALK_VOLUME
volume	int	Yes	The volume to set: (type=0): 0-15(type=1): 1-15

Remarks



3.4、Make a Call

[TOC]

Version and Model Support

This feature is supported on:

OEM:ISECO

Model:C319/S567

Version:119.102.12.101 and above

Brief Description

- This Action is used to initiate an outgoing call.
- When the system receives this broadcast, it reads the target number from the intent and starts a call.
- If the number is empty or invalid, the call will not be triggered.

Action



android.intent.action.call.make_call



Example



adb shell am broadcast -a android.intent.action.call.make_call --es number "192.168.3.100"



Intent intent = new Intent("android.intent.action.call.make_call"); intent.putExtra("number",

"192.168.3.100"); sendBroadcast(intent);



Request Parameters

Name	Type	Required	Description
number	String	Yes	The target phone number to dial. If empty or null, the call will not be placed.

4、设备硬件 SDK 描述 - 对外

5、Dclient 内部接口 - 对内