

Hisense

Platform Name	Product Name	System Version
HisIV668	43\86BM66AE	Android 9.0

Hisense Commercial Display

API REFERENCE

Welcome

A seamless HIDB API integration makes it simpler and easier for our end users to interact with our product.

Hisense developed an infrastructure to support HIDB flows through Android Studio . Android Studio is an Android platform that allows the customers to interact with our API easily and is generic. We have exposed the HIDB API with partners. This enables our partners to use the HIDB API in a more convenient way in order to extend their product and build their own applications.

Disclaimer

This document includes the full list of services, which support the flows used in Hisense Interactive Digital Board solutions.

This Hisense API Reference Guide is still in work and subject to change.

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Overview

This document describes what each function does individually and provides information about using APIs to build your applications; it also includes details on integrating multiple APIs into a single application.

Version & Revision History

Version	Description	Date
V1.0	The initial release	2021-12-8

Table of Contents

System API.....	5
1. Interface Ready	5
2. Device Version	5
3. Turn on/off Screen.....	5
4. Query Screen Status.....	6
5. Reboot	6
6. Power off.....	6
7. Mute.....	6
8. Set Volume.....	7
9. Set VGA	7
10. System Time.....	8
11. Factory Reset.....	8
12. Rotation Screen.....	8
13. OTA Upgrade	9
14. Set Power on time.....	9
15. Set Power off time	10
16. Power on delay	10
17. Remote Control	11
Source API	11
1. Input Source	11
2. Brightness	12
3. Back Light Value	12
4. Zoom Mode	13
5. Contrast	13
6. Color Temperature	14
7. Sharpness.....	14
8. Noise Reduction	15
9. Current Source.....	15
Network API	16
1. Network Type	16
2. Wifi status	16
3. Wired status.....	17
4. Connect Wifi	17
5. Wired network static connection Settings.....	17
6. Ip Address	18
7. Network automatically DHCP connection.....	18

Resources

The resources are described in three categories: system API, Source API and Network API.

System API

Import Package: HotelSystemManager

1. Interface Ready

APK need to import com.hisense.hotel.IServicesReadyListener

Listen to whether the interface is registered via addServiceReadyListener

The system will call the SDK interface through allServicesReady notification to the application after the service is ready.

When the application exits, you need to try the onDestoty of HotelSystemManager.

2. Device Version

Description

Get device software version information.

Function Name

String getSoftwareVersion()

Example Response

String: V0000.00.01A

3. Turn on/off Screen

Description

Turn on/off the screen

Function Name

Boolean shutdownScreen(int model)

Parameters

Name	Type	Required
Model	int	Yes

Example Request

0:Turn on Screen

1: Turn off Screen

2: Close screen and volume

Example Response

false: Operation failed

true: Operation succeed

4. Query Screen Status

Description

Query Screen Status

Function Name

Boolean getScreenStatus()

Example Response

false: Screen off

true: Screen on

5. Reboot

Description

Reboot device

Function Name

void rebootDevice()

6. Power off

Description

Power off

Function Name

Boolean shutdownSystem(Context context)

Parameters

Name	Type	Required
content	Context	Yes

7. Mute

Description

Set\Get current volume

Function Name

Boolean setMuteFlag(Boolean flag)

Parameters

Name	Type	Required
flag	Boolean	Yes

Example Request

flag:

false: not mute

true: mute

Example Response

false: Operation failed

true: Operation succeed

8. Set Volume

Description

Set volume

Function Name

Boolean setVolume(int volume)

Parameters

Name	Type	Required
volume	int	Yes

Example Request

volume:0-100

Example Response

false: Operation failed

true: Operation succeed

9. Set VGA

Description

Set VGA

Function Name

boolean autoAdjustVga()

Example Response

false: Operation failed

true: Operation succeed

10. System Time

Description

Set system time

Function Name

boolean setSystemTime_Year(int year, int month, int day)

boolean setSystemTime_Hour(int hour, int minute, int second)

Parameters

Name	Type	Required
year	int	Yes
month	int	Yes
day	int	Yes
hour	int	Yes
minute	int	Yes
second	int	Yes

Example Request

year:No more than 2036

month:1~12

day:1~31

hour:0~23

minute:0~59

second:0~59

Example Response

false: Operation failed

true: Operation succeed

11. Factory Reset

Description

Factory reset

Function Name

boolean doFactoryReset()

Example Response

false: Operation failed

true: Operation succeed

12. Rotation Screen

Description

Set the rotation screen

Function Name

android.os.SystemProperties.set("persist.sys.orientation","90")

Note:

Use the Android native package,angle can be input 0,90,180,270degrees.

13. OTA Upgrade

Description

OTA upgrade

The path for OTA File is bestly saved at data\local\misc

OTA file will be delete after Upgrade.

The OTA upgrade will be executed after restart.

Function Name

Boolean installOTAPackage(String path)

Parameters

Name	Type	Required
Path	String	Yes

Example Request

Path: “\data\local\misc”

Example Response

false: Operation failed

true: Operation succeed

14. Set Power on time

Description

Set power on time

Function Name

Boolean setPoweronTimer(int day,int hour, int minute, int second)

Parameters

Name	Type	Required
day	int	Yes
hour	int	Yes
minute	int	Yes
second	int	Yes

Example Request

day:0-31 0 : close ;
hour:0-23 Zero Time Zone
minute: 0-59
second:0-59

Example Response

false: Operation failed
true: Operation succeed

15. Set Power off time

Description

Set Power off time

Function Name

boolean setPoweroffTimer(int day,int hour, int minute, int second)

Parameters

Name	Type	Required
day	int	Yes
hour	int	Yes
minute	int	Yes
second	int	Yes

Example Request

day:0-31, 0:close
hour: 0-23 Zero Time Zone
minute:0-59
second:0-59

Example Response

false: Operation failed
true: Operation succeed

16. Power on delay

Description

Set Power on delay time

Function Name

Boolean setPowerDelayTime(int mode)

Parameters

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

mode	int	Yes
------	-----	-----

Example Request

- 0: not delay
- 1: delay 10 seconds
- 2: delay 20seconds
- 3: delay 30seconds

Example Response

- false: Operation failed
- true: Operation succeed

17. Remote Control

Description

Enable\disable remote control

Function Name

android.os.SystemProperties.set("persist.sys.remote.locked","true")

Note:

Use the Android native package:

- true: Enable Remote Control
- false: Disable Remote Control

Source API

Import Package: HotelSourceManager

1. Input Source

Description

Set startup input source

Function Name

Boolean setStartupInputSource(int source)

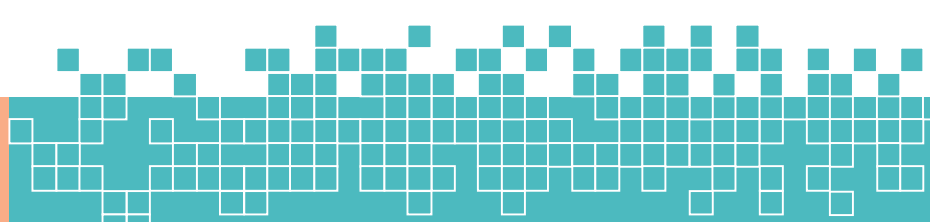
int getStartupInputSource ()

Parameters

Name	Type	Required
source	int	Yes

Example Request

- source:
- 0x0801: VGA
- HDMI1: 0x501



HDMI2: 0x502

AndroidSource: 0xA02

Example Response

false: Operation failed

true: Operation succeed

2. Brightness

Description

Set the brightness of the current picture, only available for the current signal source.

Function Name

Boolean setBrightness(int bright)

Parameters

Name	Type	Required
bright	int	Yes

Example Request

bright:0-100

Example Response

false: Operation failed

true: Operation succeed

3. Back Light Value

Description

Set back light value

Function Name

Boolean setBackLightValue (int value)

int getBackLightValue ()

Parameters

Name	Type	Required
value	int	Yes

Example Request

1: Brightness

2: Soft light

3: Light frequency

4: Three-dimensional frequency

5: Comfortable frequency

6: User-defined

Example Response

false: Operation failed

true: Operation succeed

4. Zoom Mode

Description

Set\Get zoom mode

Function Name

Boolean setZoomMode (int mode)

int getZoomMode ()

Parameters

Name	Type	Required
mode	int	Yes

Example Request

0 – 16:9

1 – 4:3

Example Response

false: Operation failed

true: Operation succeed

5. Contrast

Description

Set Contrast

Function Name

Boolean setContrast(int contrast)

Parameters

Name	Type	Required
contrast	boolean	Yes

Example Request

Contrast:0-100

Example Response

false: Operation failed

true: Operation succeed

6. Color Temperature

Description

Set Color Temperature

Function Name

Boolean setColorTemperature(int temperature)

Parameters

Name	Type	Required
temperature	int	Yes

Example Request

0: Standard

1: Cold

2: Rather Cold

3: Rather Warm

4: Warm

Example Response

false: Operation failed

true: Operation succeed

7. Sharpness

Description

Set Sharpness

Function Name

Boolean setSharpness(int value)

Parameters

Name	Type	Required
value	int	Yes

Example Request

Value:0-20

Example Response

false: Operation failed

true: Operation succeed

8. Noise Reduction

Description

Set noise reduction

Function Name

Boolean setNoiseReduction(int mode)

Parameters

Name	Type	Required
mode	int	Yes

Example Request

mode:

0: Close

1: Low

2: Middle

3: High

4: Auto

Example Response

false: Operation failed

true: Operation succeed

9. Current Source

Description

Set Current Source

Function Name

Boolean setCurrentInputSource(int source, String packagename)

int getCurrentInputSource()

Parameters

Name	Type	Required
source	int	Yes
packagename	String	Yes

Example Request

source:

0x0801:VGA

HDMI1:0x503

HDMI2:0x504

API Reference – HIDB – V1.0

OPS:0x505

AndroidSource:0xA02

Packagename: HotelSourceManager

Example Response

false: Operation failed

true: Operation succeed

Network API

Import Package: HotelNetworkManager

1. Network Type

Description

Get current network type

Function Name

int getNetType()

Parameters

Name	Type	Required
type	int	Yes

Example Response

0: Operation failed

1: Operation succeed

getNetType() :

0-null

1-DHCP wired

2-Static wired

3- wireless

2. Wifi status

Description

Get wifi connection status

Function Name

boolean isWiFiConnected()

Example Response

true-connected

false- unconnected

3. Wired status

Description

Get wifi connection status

Function Name

boolean isEthernetNetWorkConnected()

Example Response

true-connected

false- unconnected

4. Connect Wifi

Description

Connect to wifi via: SSID&password

Function Name

void connectWifi(String ssid,String password,String,security)

Parameters

Name	Type	Required
ssid	String	Yes
password	String	Yes
security	String	Yes

Example Request

Secutiry:

“None” \“WEP” \“WPA_PSK”\ “WPA_EAP”

5. Wired network static connection Settings

Description

set IP address、 subnet mask、 gateway、 DNS parameters manually

Function Name

Boolean manualConnectEthernet(String ip,String subnetMask,String gateway,String dns)

Parameters

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

ip	String	Yes
subnetMask	String	Yes
gateway	String	Yes
dns	String	Yes

Example Response

0: Operation failed

1: Operation succeed

6. Ip Address

Description

Get ip address

Function Name

String getIpAddress()

Example Response

“192.168.1.101”

7. Network automatically DHCP connection

Description

Set wired network automatically DHCP connection

Function Name

void autoConnectEthernet()