



Technical Reference

020-001853-02

# Access II Series LCD Panels

External Commands

**CHRISTIE**

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# Introduction

This document provides information and procedures for using serial commands (ASCII text messages) to control the product.

## RS232 communication parameters

The RS232 IN port has several communication parameters.

Parameter	Value
Default baud rate	115200
Parity	None
Data bits	8
Stop bits	1
Flow control	None

Serial port baudrate: 115200 (38400 in stby, used for WAKEUP command), 8 data bits, no-parity, 1 stop bit.

### Baud Rates:

- 115200 used for RS232/LAN ASCII commands
- 38400 used for "WAKEUP" command only during standby 19200 used for UART0
- 9600 used for UART1

## Connecting to the RS232 port

Use an RS232 connection to remotely access display controls and image setups, issue commands or queries, and receive replies.

1. Connect one end of a straight through DB9 connector serial RS232 cable to the display panel RS232 port.
2. Connect the other end of the cable to a computer.

## Using RS232

Ensure the following parameters are correct when using RS232:

Parameter	Setting
Baud Rate	115200
Parity	None
Data bits	8

Stop bits	1
Flow Control	None

## Setting up terminal programs

Learn how to configure terminal programs for proper echoing.



When using any terminal program other than PuTTY, you must include a carriage return (\r) and a line feed (\n) after all API commands.

Configure the settings for your terminal program.

- TeraTerm
  - a. Select Setup > TCP/IP and set:
    - Host: IP address
    - TCP port#: 1986
    - Telnet: checked
  - b. Select Setup > Terminal and set:
    - Local echo: checked
    - Transmit: CR+LF
- HyperTerm
  - Select File > Properties > ASCII setup and set:
    - Send line ends with line feeds: checked
    - Echo typed characters locally: checked
- TCP
  - Select File > Properties > ASCII setup and set:
    - Host: IP address
    - Telnet: unchecked
    - TCP port#: 1986



Notice. If not avoided, the following could result in property damage.  
 The Secure II Series panel has a built-in Pin to comply with the California law requiring Internet connected devices to include reasonable security features (California Civil Code Section 1798.91.04).  
 The Network and Serial connection requires a command that unlocks the Serial and Ethernet connection. This command must be resent if the panel loses power or if the main power switch is turned OFF.  
 Once a connection is established with a Serial or Ethernet connection, send this command to unlock the port "SETUSERSECLEVEL ADMIN <password>". The default password is 0000.

## Setting up the Ethernet

To use Ethernet, the LAN (Standby) setting of the projector must be enabled and the display panel must be in Standby mode.

1. Download the Wake On LAN (WOL) software.
2. Free Wake On LAN software packages are available for downloading from the internet. The steps below are for the Aquilia WOL software.
3. To open WakeOnLAN, select the downloaded file and click New Host.
4. Select the Wake Up page.
  - a. Enter the MAC address, which is the same as the display panel.
  - b. Enter the broadcast IP address.

The domain is the same as the computer.

For example, the IP address of the computer is 10.0.21.105, the subnet mask is 255.255.0.0, and the broadcast IP address is set to 10.0.255.255.

5. Enter any IP address in the FQDN/IP.

Leave all other fields at their default values.
6. Select the newly added host, right-click, and select Wake Up.

## Using the Ethernet

When using the Ethernet, ensure the TCP port number is 1986.

## Power Up commands

Power Up commands require a carriage return and a line feed at the end of the string.

To enable control, this must be sent when making a connection:

```
SETUSERSECLEVEL ADMIN <password>
```

Where the default password is 0000.

- To turn the panel off:  
`SETQUICKSTANDBY on`
- To turn the panel on:  
`SETQUICKSTANDBY off`

## Product documentation

For installation, setup, and user information, see the product documentation available on the Christie website. Read all instructions before using or

servicing this product.



1. Access the documentation from the Christie website:

- Go to this URL: <https://bit.ly/2GniMjQ>



- Scan the QR code using a QR code reader app on a smartphone or tablet.

2. On the product page, select the model and switch to the Downloads tab.

## Related documentation

Additional information on the LCD panels is available in the following documents.

- 98" Access Series LCD Panel Product Safety Guide (P/N: 020-001708-XX)
- Access II Series LCD Panel Product Safety Guide (P/N: 020-001848-XX)
- Access Series 98" LCD Panel User Guide (P/N: 020-001700-XX)
- Access II Series LCD Panel User Guide (P/N: 020-001836-XX)
- UHD982-P Service Guide (P/N: 020-001709-XX)
- UHD862-L Service Guide (P/N: 020-001847-XX)
- UHD752-L Service Guide (P/N: 020-001846-XX)
- UHD652-L Service Guide (P/N: 020-001845-XX)
- UHD552-L Service Guide (P/N: 020-001844-XX)

# RS232 commands

The UHD Display Panels commands can be used to modify product settings.



When using any terminal program other than PuTTY, you must include a carriage return (\r) and a line feed (\n) after all API commands.

## ADCCAL

Start ADC auto calibration.

### Commands

Command	Description	Values
ADCCAL <calibration>	Start ADC auto calibration.	<ul style="list-style-type: none"> <li>• 0 = SCART-RGB</li> <li>• 1 = YPbPr</li> <li>• 2 = PC/VGA</li> </ul>

### Examples

Start ADC auto calibration for YPbPr:

```
ADCCAL 1
```

Result:

```
##*ADC Auto Calibration completed
```

```
R_Gain= ...
```

```
G_Gain= ...
```

```
B_Gain= ...
```

```
R_Offset= ...
```

```
G_Offset= ...
```

```
B_Offset= ...
```

## ATOF

Sets the Auto Panel Off mode.

### Commands

Command	Description	Values
ATOF <mode>	Sets the Auto panel Off mode.	0 to 8

### Examples

Set the Auto Panel Off mode to 7:

```
ATOF 71
```

# AUDIODESC

Enables or disables the audio description state.

## Commands

Command	Description	Values
AUDIODESC <0   1>	Enables or disables the audio description state.	<ul style="list-style-type: none"> <li>0 = OFF</li> <li>1 = ON</li> </ul>

## Examples

Disable the audio description state:

```
AUDIODESC 0
```

# AUTOPOS

Automatically position the image on the display panel.

## Commands

Command	Description	Values
AUTOPOS	Automatically positions the image on the display panel.	-

## Examples

Automatically position the image on the display panel:

```
ADCCAL 1
```

Result:

```
##*set auto position
```

# AUTOSETSIGNAGEID

Sets signage ID automatically. To use this feature, the AdvancedVideoWall profile item must be enabled.

## Commands

Command	Description	Values
AUTOSETSIGNAGEID	Sets signage ID automatically. To use this feature, the AdvancedVideoWall profile item must be enabled.	-

## Examples

Set the signage ID automatically:

```
AUTOSETSIGNAGEID
```

Result:

```
##*
```

# AUTOTVOFF

Enables or disables the Auto Display mode.

## Commands

Command	Description	Values
AUTOTVOFF <0   1>	Enables or disables the Auto Display mode.	0 = OFF 1 = ON

## Examples

Set the Auto Display mode to ON: AUTOTVOFF 1
Set the Auto Display mode to OFF: AUTOTVOFF 0

# BACKLIGHTDIM

Sets the backlight dimming level, if enabled from the profile.

## Commands

Command	Description	Values
BACKLIGHTDIM <level>	Sets the backlight dimming level, if enabled from the profile.	<ul style="list-style-type: none"> <li>• Low</li> <li>• High</li> <li>• Off</li> </ul>

## Examples

Set the backlight dimming level to high: BACKLIGHTDIM High
Turn off the backlight dimming: BACKLIGHTDIM Off

# BLUEBACK

Enables or disables the Bluebackground state.

## Commands

Command	Description	Values
BLUEBACK <0   1>	Enables or disables the Bluebackground state.	0 = OFF 1 = ON

## Examples

Enable the Bluebackground state:

BLUEBACK 1

Result:

#\*

Disable the Bluebackground state:

BLUEBACK 0

Result:

#\*

## BRIGHTNESSDOWN

Decreases the Brightness level by one step.

### Commands

Command	Description	Values
BRIGHTNESSDOWN	Decreases the Brightness level by one step.	-

### Examples

Decrease the Brightness level:

BRIGHTNESSDOWN

Result:

Picture brightness value is set to X

or

Picture brightness value is at min value.

You can not decrease brightness level further.

## BRIGHTNESSUP

Increases the Brightness level by one step.

### Commands

Command	Description	Values
BRIGHTNESSUP	Increases the Brightness level by one step.	-

### Examples

Decrease the Brightness level:

BRIGHTNESSUP

Result:

Picture brightness value is set to X

or

Picture brightness value is at max value.

You can not increase brightness level further.

# BROADCAST

Sets the broadcast type.

## Commands

Command	Description	Values
BROADCAST <type>	Sets the broadcast type.	<ul style="list-style-type: none"> <li>• 0 = digital_network_type_terrestrial</li> <li>• 1 = digital_network_type_cable</li> <li>• 2 = digital_network_type_satellite</li> </ul>

## Examples

```
Set the broadcast type to digital_network_type_cable:
BROADCAST 1
```

# BUILDINFO

Reports the build information.

## Commands

Command	Description	Values
BUILDINFO	Reports the build information	-

## Examples

```
Decrease the Brightness level:
BUILDINFO

Result:
#*Build info = xxxx Revision = xxxx
```

# C2CONNECTION

Returns the handshake result between G6F and C2 devices.

## Commands

Command	Description	Values
C2CONNECTION	Returns the handshake result between G6F and C2 devices.	-

## Examples

```
Return the handshake result between G6F and C@ devices:
C2CONNECTION

Result:
##*FAILURE, wait to check C2 availability (process still not finished)
or
##*FAILURE, C2 is not READY (handshake failed, C2 is not available)
or
##*SUCCESS, C2 is READY (handshake is succeeded)
```

# C2MSG

Sends message to UART2 (C2 connection).

## Commands

Command	Description	Values
C2MSG <message>	Sends message to UART2 (C2 connection).	message = String

## Examples

```
Send message to UART2:
C2MSG "Message text"

Result:
##*SUCCESS, Message Send: %s
```

# CANCELAPS

Cancels the auto search if an auto search has been started.

## Commands

Command	Description	Values
CANCELAPS	Cancels the auto search if an auto search has been started.	-

## Examples

Send message to UART2:

CANCELAPS

Result:

#\*Auto search was cancelled

or

#\*there is no current scan process

# CHANGELNG

Changes the language used in a specific area of the display panel.

## Commands

Command	Description	Area values	Language values	
CHANGELNG <area> <language>	Changes the language used in a specific area of the display panel.	0 = System Language 1 = Event Language 2 = Primary Audio Language 3 = Secondary Audio Language 4 = Primary Subtitle Language 5 = Secondary Subtitle Language 6 = Primary Teletext Language 7 = Secondary Teletext Language	0 = Danish 1 = German 2 = Estonian 3 = English 4 = Spanish 5 = Greek 6 = French 7 = Gaelic 8 = Croatian 9 = Italian 10 = Latvian 11 = Lithuanian 12 = Hungarian 13 = Dutch 14 = Norwegian 15 = Polish 16 = Portuguese 17 = Russian 18 = Romanian	19 = Albanian 20 = Slovenian 21 = Slovak 22 = Serbian 23 = Finnish 24 = Swedish 25 = Turkish 26 = Czech 27 = Ukranian 28 = Bulgarian 29 = Arabic 30 = Persian 31 = Hebrew 32 = Belarussian 33 = Macedonian 34 = Montenegrin 35 = Kazakh 36 = Thai

## Examples

Change the system language to French:

CHANGELNG 0 6

Result:

#\*Active language was changed

# CHANNEL

Tune to specified channel number.

## Commands



Command	Description	Values
CHANNEL <number>	Tune to specified channel number.	number = Valid channel number

### Examples

Tune to channel 5:  
**CHANNEL 5**

Result:  
**CHANNEL command not supported for satellite and cable**

## CHILDLCK

Sets the Child Lock mode.

### Commands

Command	Description	Values
CHILDLCK <0   1>	Sets the Child Lock mode.	<ul style="list-style-type: none"> <li>• 0 = OFF</li> <li>• 1 = ON</li> </ul>

### Examples

Enable the Child Lock state:  
**CHILDLCK 1**

Disable the Child Lock state:  
**CHILDLCK 0**

## CLEARBROWSERDATA

Clears the browser data files such as history, bookmarks, speed dial, and configuration.

### Commands

Command	Description	Values
CLEARBROWSERDATA	Clears the browser data files such as history, bookmarks, speed dial, and configuration.	-

### Examples

Clear the browser data:  
**CLEARBROWSERDATA**

Result:  
**##\*Browser data files are cleared**

## CLEARCACHE

Clear browser cache and cookies.

## Commands

Command	Description	Values
CLEARCACHE	Clear browser cache and cookies.	-

## Examples

```
Clear the browser cache:
CLEARCACHE

Result:
#*Browser cookies are cleared
```

# CLEARPROXY

Clears the proxy configuration.

## Commands

Command	Description	Values
CLEARPROXY	Clears the proxy configuration.	-

## Examples

```
Clear the proxy configuration:
CLEARPROXY

Result:
#*Proxy was cleaned
```

# COLOURTEMP

Sets the color temperature.

## Commands

Command	Description	Values
COLOURTEMP <value>	Sets the color temperature.	<ul style="list-style-type: none"> <li>• Normal</li> <li>• Warm</li> <li>• Cool</li> </ul>

## Examples

```
Set the color temperature to cool:
COLOURTEMP cool

Result:
#*setColourTemp() set to cool
```

# CONTRASTDOWN

Decreases the contrast level by one step.

## Commands

Command	Description	Values
CONTRASTDOWN	Decreases the contrast level by one step.	-

## Examples

Set the color temperature to cool:  
 CONTRASTDOWN  
 Result:  
 #\*Picture contrast value is set to 5

# CONTRASTUP

Increases the contrast level by one step.

## Commands

Command	Description	Values
CONTRASTUP	Increases the contrast level by one step.	-

## Examples

```
Set the color temperature to cool:
CONTRASTUP

Result:
#*Picture contrast value is set to 7
```

# COPYCACHEFROMUSB

Copies the application cache folder named Application Cache from the root of the last mounted USB.

## Commands

Command	Description	Values
COPYCACHEFROMUSB	Copies the application cache folder named Application Cache from the root of the last mounted USB.	-

## Examples

```
Set the color temperature to cool:
COPYCACHEFROMUSB

Result:
#*Application Cache is copied
or
#*Error while copying Application Cache
or
#*Removable device not found!
```

# CTZ

Changes the timezone.

## Commands

Command	Description	Values
CTZ <timezone>	Changes the timezone.	Timezone = GMT integer

## Examples

```
Set the timezone to Eastern Standar Time:
CTZ 05:00

Result:
#*Timezone setup SUCCEEDED
```

# DBOOTC

Disables the bootcaster.

## Commands

Command	Description	Values
DBOOTC	Disables the bootcaster.	-

## Examples

```
Disable the bootcaster:
DBOOTC

Result:
#BOOTCASTER_DISABLED in SUCCESS !!!
```

# DDHCPC

Disables the DHCP client.

## Commands

Command	Description	Values
DDHCPC	Disables the DHCP client.	-

## Examples

```
Disable the DHCP client:
DDHCPC

Result:
#DHCPC_DISABLED in SUCCESS !!!
```

# DEACTIVATENETFLIX

Removes the account information for Netflix.

## Commands

Command	Description	Values
DEACTIVATENETFLIX	Removes the account information for Netflix.	-

## Examples

Remove the Netflix account information:  
 DEACTIVATENETFLIX

Result:  
 #\*Account informations were deleted for Netflix  
 or  
 #\*Remove failed for Netflix account.

## DECOWB

Decreases the on-screen display (OSD) white balance value.

### Commands

Command	Description	Values
DECOWB <type> <value>	Decreases the on-screen display (OSD) white balance.	<ul style="list-style-type: none"> <li>type = Redgain, greengain, bluegain, brightness</li> <li>value = 0 to 250</li> </ul>

## Examples

Set the OSD white balance for bluegain to 100:  
 DECOWB bluegain 100

Result:  
 #\*OSD White Balance is set to 100  
 or  
 Invalid value for OSD White Balance (0-255)  
 or  
 Invalid type for White Balance OSD

## DECWB

Decreases the white balance value.

### Commands

Command	Description	Values
DECWB <type> <value>	Decrements the white balance value by n.	<ul style="list-style-type: none"> <li>type = Redgain, greengain, bluegain, redoffset, greenoffset, blueoffset</li> <li>value = 0 to 250</li> </ul>

## Examples

```
Set the white balance for greenoffset to 100:
DECWB greenoffset 100

Result:
#*White Balance is set to 100
or
Invalid value for White Balance (0-255)
or
Invalid type for White Balance
```

# DELETEHOSTNAME

Deletes the Hostname file from the file system

## Commands

Command	Description	Values
DELETEHOSTNAME	Deletes the Hostname file from the file system	-

## Examples

```
Delete the Hostname file from the file system:
DELETEHOSTNAME

Result:
#*SUCCESS Hostname file is deleted
or
#*FAILURE Hostname file can not be deleted
```

# DOTCLOCK

Sets the dot clock.

## Commands

Command	Description	Values
DOTCLOCK	Sets the dot clock.	-50 to 50

## Examples

```
Set the dot clock to 12:
DOTCLOCK 12

Result:
#*set dot clock to 12
```

# EBOOTC

Enables the Bootcaster.

## Commands

Command	Description	Values
EBOOTC	Enables the Bootcaster.	-

## Examples

```
Enable the Bootcaster:
EBOOTC

Result:
#BOOTCASTER_ENABLED in SUCCESS !!!
```

# EDHCPC

Enables the DHCP client.

## Commands

Command	Description	Values
EDHCPC	Enables the DHCP client.	-

## Examples

```
Enable the DHCP client:
EDHCPC

Result:
#DHCP_ENABLED in SUCCESS !!!
```

# ENERGYSAVING

Sets the energy saving mode, if enabled from the profile.

## Commands

Command	Description	Values
ENERGYSAVING <mode>	Sets the energy saving mode, if enabled from profile.	<ul style="list-style-type: none"> <li>• Off</li> <li>• Minimum</li> <li>• Medium</li> <li>• Mmaximum</li> <li>• Auto</li> <li>• Screen_off</li> </ul>

## Examples

```
Set the energy saving mode to Medium:
ENERGYSAVING Medium

Result:
#*setEnergySaving() set to n
```



# ENTERACTIVESTANDBY

Enters the active standby state.

## Commands

Command	Description	Values
ENTERACTIVESTANDBY	Enters the active standby state.	-

## Examples

```
Enter the active standby state:
ENTERACTIVESTANDBY

Result:
#*Display will be sent to Active Standby state!
or
#*Display is in Active Standby state already!
```

# EXITACTIVESTANDBY

Exits the active standby state.

## Commands

Command	Description	Values
EXITACTIVESTANDBY	Exits the active standby state.	-

## Examples

```
Exit the active standby state:
EXITACTIVESTANDBY

Result:
#* Display is not in Active Standby state!
```

# FACTORY

Loads the factory settings to NVRAM. Settings are updated with defaults and the flash is cleared.

## Commands

Command	Description	Values
FACTORY	Loads the factory settings to NVRAM. Settings are updated with defaults and the flash is cleared.	-

## Examples

```
Load the factory settings to NVRAM:
FACTORY

Result:
```

```
#*Factory Settings were loaded to NVRAM.
```

## FORMATDISK

Formats the internal USB disk as FAT32.

### Commands

Command	Description	Values
FORMATDISK	Formats the internal USB disk as FAT32.	-

### Examples

```
Format the disk:
FORMAT DISK

Result:
#*formatting is succesful.
or
#*error while formatting.
or
#*No Internal USB is found.
```

## FREEZE

Freezes or unfreezes the video.

### Commands

Command	Description	Values
FREEZE	Freezes or unfreeze the video.	-

### Examples

```
Freeze the video:
FREEZE

Result:
#*Video is frozen

Unfreeze the video:
FREEZE

Result:
#*Video is unfrozen
```

## FSU

Updates the software. Ensure the SW Auto Upgrade is enabled. For more details, see the WAU command on 170.

## Commands

Command	Description	Values
FSU	Updates the software.	-

## Examples

```
Update the software:
FSU
Result:
#Web Software Update search STARTED !!!
```

# GET4KBROWSER

Determines if the browser resolution state is 4K.

## Commands

Command	Description	Values
GET4KBROWSER	Determines if the browser resolution state is 4K.	-

## Examples

```
Determine if the browser resolution state is 4K:
GET4KBROWSER
Result:
#*browser 4K is(ON, OFF)
```

# GETALLVIDEOWALL

Returns all videowall parameters.

## Commands

Command	Description	Values
GETALLVIDEOWALL	Returns all videowall parameters.	-

## Examples

```
Return the videowall parameters:
GETALLVIDEOWALL
Result:
#*picture_mode-contrast-brightness-sharpness-color-powesave_mode-backlight_mode-colortemp-zoom_mode-
hdmi_trueblack-picture_hue- volume-headphone_volume
```

# GETAUTO LAUNCH

Returns the Auto Launch value.

## Commands

Command	Description	Values
GETAUTOLAUNCH	Returns the Auto Launch value.	-

## Examples

Return the Auto Launch value:

GETAUTOLAUNCH

Result:

#\*Auto launch mode is \*\*\*\*

or

#\*Auto launch mode is (invalid input)

# GETAUTOTVOFF

Returns the Auto Panel Off mode.

## Commands

Command	Description	Values
GETAUTOTVOFF	Returns the Auto Panel Off mode.	-

## Examples

Return the Auto Panel Off mode:

GETAUTOTVOFF

Result:

#\*auto Display off is on

or

#\*auto Display off is off

# GETAVL

Displays the current AVL setting.

## Commands

Command	Description	Values
GETAVL	Displays the state of AVL.	0 = Off 1 = On

## Examples

Display the state of AVL:

GETAVL

Result:

#\*avl state is 0

# GETBACKLIGHTLEVEL

Returns the backlight level.

## Commands

Command	Description	Values
GETBACKLIGHTLEVEL	Returns the backlight level.	-

## Examples

```
Return the backlight level:
GETBACKLIGHTLEVEL

Result:
#*The backlight level is 20
```

# GETBALANCE

Displays the current balance setting.

## Commands

Command	Description	Values
GETBALANCE	Displays the current balance value.	-

## Examples

```
Display the balance level:
GETBALANCE

Result:
#*The balance level is 20
```

# GETBASSGAIN

Returns the bass gain.

## Commands

Command	Description	Values
GETBASSGAIN <gain>	Returns the bass gain.	-6 to 6

## Examples

```
Return the bass gain:
GETBASSGAIN

Result:
#*The bass gain level is -2
```

# GETBOARDNAME

Sends the board name to the C2 side.

## Commands

Command	Description	Values
GETBOARDNAME <name>	Sends the board name to the C2 side.	name = string (length_of_the_board_name/board_name/END)

## Examples

Send the board name to the C2 side:

```
GETBOARDNAME XXXXXXXXX
```

Result:

```
##*SUCCESS, Board Name: XXXXXXXXX
```

# GETBRIGHTNESS

Displays the current brightness setting.

## Commands

Command	Description	Values
GETBRIGHTNESS	Displays the current brightness setting.	-

## Examples

Display the current brightness settings:

```
GETBRIGHTNESS
```

Result:

```
##*Picture brightness value is set to 25
```

# GETBROWSERMEM

Returns the browser memory limit value in MBs.

## Commands

Command	Description	Values
GETBROWSERMEM	Returns the browser memory limit value in MBs.	-

## Examples

Return the browser memory limit:

```
GETBROWSERMEM
```

Result:

```
##*browser memory limit is: 250
```

# GETBROWSERORIENTATION

Returns the browser orientation.

## Commands

Command	Description	Values
GETBROWSERORIENTATION	Returns the browser orientation.	-

## Examples

```
Return the browser orientation:
GETBROWSERMEM
Result:
#*The Browser orientation 90°
```

# GETCELL

Returns the cell.

## Commands

Command	Description	Values
GETCELL	Returns the cell.	-

## Examples

```
Return the cell:
GETCELL
```

# GETCMSPARAMS

Returns the CMS parameters.

## Commands

Command	Description	Values
GETCMSPARAMS	Returns the CMS parameters.	-

## Examples

```
Return the CMS parameters:
GETCMSPARAMS
```

# GETCMSSTATUS

Returns the CMS status.

## Commands

Command	Description	Values
GETCMSSTATUS	Returns the CMS status.	-

## Examples

Return the CMS status:  
 GETCMSSTATUS

# GETCOLOUR

Display the picture color setting.

## Commands

Command	Description	Values
GETCOLOUR	Displays the picture color setting.	-

## Examples

Display the picture color setting:  
 GETCOLOUR  
 Result:  
 #\*The colour value : 43

# GETCOLOURSHIFT

Returns the color shift.

## Commands

Command	Description	Values
GETCOLOURSHIFT	Returns the color shift.	-

## Examples

Return the color shift:  
 GETCOLOURSHIFT

# GETCOLOURTEMP

Displays the current color temperature setting.

## Commands

Command	Description	Values
GETCOLOURTEMP	Displays the current color temperature setting.	-



## Examples

Display the current color temperature setting:  
**GETCOLOURTEMP**  
 Result:  
 #\*Colour temp is warm

# GETCOLUMNCOUNT

Returns the column count.

## Commands

Command	Description	Values
GETCOLUMNCOUNT	Returns the column count.	-

## Examples

Display the current color temperature setting:  
**GETCOLUMNCOUNT**

# GETCONTRAST

Displays the picture contrast setting.

## Commands

Command	Description	Values
GETCONTRAST	Displays the picture contrast setting.	-

## Examples

Display the picture contrast setting:  
**GETCONTRAST**  
 Result:  
 #\*THE CONTRAST VALUE : 25

# GETCOUNTRY

Displays the current country setting.

## Commands

Command	Description	Values
GETCOUNTRY	Displays the country setting.	-

## Examples

Display the currently configured country:

GETCOUNTRY

Result:

#\*COUNTRY IS : Canada

# GETCPU TEMPERATURE

Returns the CPU temperature.

## Commands

Command	Description	Values
GETCPU TEMPERATURE	Returns the CPU temperature.	-

## Examples

Display the currently configured country:

GETCPU TEMPERATURE

# GETCURSOR POSITION

Returns the cursor position in the browser.

## Commands

Command	Description	Values
GETCURSOR POSITION	Returns the cursor position in the browser.	-

## Examples

Return the cursor position in the browser:

GETCURSORPOSITION

Result:

#\*X: 1 Y: 1

# GETCUSTOMER

Retuns the customer name.

## Commands

Command	Description	Values
GETCUSTOMER	Returns the customer name.	-

## Examples

Return the customer name:

GETCUSTOMER

Result:

\*Customer:TOSHIBA#\*

# GETDAPAVL

Returns the DAP (Dolby Audio Processing) AVL state.

## Commands

Command	Description	Values
GETDAPAVL	Returns the DAP (Dolby Audio Processing) AVL state.	-

## Examples

Return the DAP AVL state:

GETDAPAVL

Result:

#\*DAP (Dolby Audio Processing Availability) is inactive

or

#\*DAP (Dolby Audio Processing Availability) Mode is off

or

#\*DAP (Dolby Audio Processing) state is XXX

# GETDEFAULTGATEWAY

Displays the current default gateway.

## Commands

Command	Description	Values
GETDEFAULTGATEWAY	Displays the current default gateway.	-

## Examples

Return the current default gateway:

```
GETDEFAULTGATEWAY
```

Result:

```
**the default gateway is 10.1.1.3
```

# GETDIGITALOUT

Displays the current digital out setting.

## Commands

Command	Description	Values
GETDIGITALOUT	Displays the current digital out state.	-

## Examples

Return the status of digital out:

```
GETDIGITALOUT
```

Result:

```
**digital out is PCM
```

or

```
**digital out is compressed
```

# GETDISKFORMATSTATE

Returns the format state of the internal USB disk.

## Commands

Command	Description	Values
GETDISKFORMATSTATE	Returns the format state of the internal USB disk.	-

## Examples

Return the format state of the internal USB disk:

```
GETDISKFORMATSTATE
```

Result:

```
**the disk is formatted.
```

or

```
**the disk is not formatted.
```

or

```
**No Internal USB is found.
```

# GETDNS1 and GETDNS2

Displays the DNS of server 1 or server 2.

## Commands

Command	Description	Values
GETDNS1	Displays the DNS of server 1.	-
GETDNS2	Displays the DNS of server 2.	-

## Examples

```
Display the DNS of server 1:
GETDNS1

Result:
##DNS server 1 is 10.10.10.10
```

# GETDNSCONFIGURATION

Returns the DNS configuration mode.

## Commands

Command	Description	Values
GETDNSCONFIGURATION	Returns the DNS configuration mode, such as Auto or Manual..	-

## Examples

```
Return the DNS configuration mode:
GETDNSCONFIGURATION

Result:
##the DNS configuration is manual
or
##the DNS configuration is auto or in error
or
##the DNS configuration is unknown
```

# GETDOTCLOCK

Displays the current dot clock settings.

## Commands

Command	Description	Values
GETDOTCLOCK	Displays the current dot clock settings.	-

## Examples

Display the current dot clock settings:

GETDOTCLOCK

Result:

##The dot clock is 12

## GETDYNAMICBASS

Displays the current dynamic bass setting.

### Commands

Command	Description	Values
GETDYNAMICBASS	Displays the dynamic bass setting.	0 = Off 1 = On

## Examples

Display the current dynamic bass set:

GETDYNAMICBASS

Result:

##The dynamic bass state is 0.

## GETDYNAMICCONTRAST

Returns the dynamic contrast.

## Commands

Command	Description	Values
GETDYNAMICCONTRAST	Returns the dynamic contrast.	-

## Examples

Return the dynamic contrast:  
GETDYNAMICCONTRAST

# GETENERGYSAVING

Displays the current energy saving mode.

## Commands

Command	Description	Values
GETENERGYSAVING	Displays the current energy saving mode.	-

## Examples

Display the current energy saving mode:  
GETENERGYSAVING  
  
Result:  
##The energy saving mode is on

# GETEPGSTATUS

Returns the status of EPG.

## Commands

Command	Description	Values
GETEPGSTATUS	Returns the status of EPG.	<ul style="list-style-type: none"> <li>• On</li> <li>• Off</li> </ul>

## Examples

Return the status of EPG:  
GETEPGSTATUS  
  
Result:  
##EPG Status:OFF  
or  
##EPG Status:ON

# GETEQMODE

Displays the current Equalizer mode setting.

## Commands

Command	Description	Values
GETEQMODE	Displays the current Equalizer mode setting.	<ul style="list-style-type: none"> <li>• Music</li> <li>• Movie</li> <li>• Speech</li> <li>• Flat</li> <li>• Classic</li> <li>• User</li> </ul>

## Examples

```
Display the equalizer mode:
GETEQMODE

Result:
#*the equalizer mode is Movie
```

# GETEQUSERFREQ

Displays the Equalizer setting for a specific band.

## Commands

Command	Description	Values
GETEQUSERFREQ <band>	Displays the Equalizer setting for a specific band.	-12 to 12

## Examples

```
Display the equalizer setting for 120Hz:
GETEQUSERFREQ 120Hz

Result:
#*the equalizer value for the band is 10
```

# GETFILMMODE

Returns the film mode.

## Commands

Command	Description	Values
GETFILMMODE	Returns the film mode.	-

## Examples

```
Return the film mode:
GETFILMMODE
```



# GETFIXEDPICTUREMODE

Returns the Picture mode availability.

## Commands

Command	Description	Values
GETFIXEDPICTUREMODE	Returns the Picture mode availability.	-

## Examples

Return the Picture mode availability:  
**GETFIXEDPICTUREMODE**

# GETFREESPACE

Displays the amount of free space on the connected USB device.

## Commands

Command	Description	Values
GETFREESPACE	Displays the amount of space on the connected USB device, in MB.	-

## Examples

Display the amount of free space on the connected USB device:  
**GETFREESPACE**  
 Result:  
**##The total space is 480 MB**

# GETFTIPIN

Returns the FTI PIN number.

## Commands

Command	Description	Values
GETFTIPIN	Returns the FTI PIN number.	-

## Examples

Return the FTI PIN number:  
**GETFTIPIN**

# GETGPURASTER

Returns the browser GPU raster state.

## Commands

Command	Description	Values
GETGPURASTER	Returns the browser GPU raster state.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Return the browser GPU raster state:

```
GETGPURASTER
```

Result:

```
##*browser gpu raster is ON
```

# GETGYRO

Sends the orientation mode to the C2 side.

The orientation information comes from gyro sensor to rotate android display automatically.

## Commands

Command	Description	Values
GETGYRO	Sends the orientation mode to the C2 side.	<ul style="list-style-type: none"> <li>• GYUG</li> <li>• GYRG</li> <li>• GYDG</li> <li>• GYLG</li> </ul>

## Examples

Send the orientation mode to the C2 side:

```
GETGYRO
```

Result:

```
##*SUCCESS, GyroSensorStatus: GYUG
```

# GETHDMITRUEBLACK

Returns the HDMI true black status.

## Commands

Command	Description	Values
GETHDMITRUEBLACK	Returns the HDMI true black status.	-

## Examples

Return the HDMI true black status:

```
GETHDMITRUEBLACK
```

# GETHEADPHONEOUTPUT

Displays the current headphone setting.

## Commands

Command	Description	Values
GETHEADPHONEOUTPUT	Displays the headphone status.	-

## Examples

```

Display the headphone status:
GETHEADPHONEOUTPUT

Result:
Result: #*LINEOUT
or
#*HEADPHONE
    
```

# GETHEADPHONEVOLUME

Displays the volume level of the headphones.

## Commands

Command	Description	Values
GETHEADPHONEVOLUME	Displays the volume level of the headphones.	-

## Examples

```

Display the volume level of the headphones:
GETHEADPHONEVOLUME

Result:
#*headphone volume level is 7
    
```

# GETHOSTNAME

Returns the customizable hostname.

## Commands

Command	Description	Values
GETHOSTNAME	Returns the customizable hostname.	-

## Examples

```

Return the hostname:
GETHOSTNAME

Result:
    
```

```

**SUCCESS Hostname is ABC
or
**FAILURE Hostname can not be read
    
```

## GETHOTELMODE

Returns the Hotel mode status.

### Commands

Command	Description	Values
GETHOTELMODE	Returns the Hotel mode status.	<ul style="list-style-type: none"> <li>ON</li> <li>OFF</li> </ul>

### Examples

```

Return the Hotel mode status:
GETHOTELMODE

Result:
**HOTELMODE IS ON
or
**HOTELMODE IS OFF
    
```

## GETHPOS

Displays the current horizontal position.

### Commands

Command	Description	Values
GETHPOS	Displays the current horizontal position.	-

### Examples

```

Display the current horizontal position:
GETHPOS

Result:
**The horizontal position is -10
    
```

## GETHUMIDITY

Measures the relative humidity using humidity sensor.

### Commands

Command	Description	Values
GETHUMIDITY	Measures the relative humidity using humidity sensor.	-

## Examples

```

Measre the relative humidity:
GETHUMIDITY

Result:
#*HUM= XX
or
#*Humidity sensor is not available
    
```

# GETINTERNETSPEED

Returns the internet speed.

## Commands

Command	Description	Values
GETINTERNETSPEED	Returns the internet speed.	-

## Examples

```

Return the internet speed:
GETINTERNETSPEED

Result:
#*The internet speed is 100 Mbps
    
```

# get\_IP\_address

Displays the IP address of the ETH0 network interface.

## Commands

Command	Description	Values
get_IP_address	Displays the IP address of the ETH0 network interface.	-

## Examples

```

Display the IP address of the ETH0 netowrk interface:
Get_IP_address
    
```

# GETLANGUAGE

Shows the language.

## Commands

Command	Description	Values
GETLANGUAGE	Shows the language.	-

## Examples

Show the language:  
**GETLANGUAGE**  
 Result:  
 #\*Language: French

# GETLED

Displays the current status of the LED.

## Commands

Command	Description	Values
GETLED	Displays the current status of the LED.	-

## Examples

Display the current status of the LED:  
**GETLED**  
 Result:  
 #\*LED is on

# get\_mac\_address

Returns the MAC addresses

## Commands

Command	Description	Values
get_mac_address	Returns the MAC address.	-

## Examples

Return the MAC address:  
**Get\_mac\_address**  
 Result:  
 #\*Hwaddr: mac\_address - Successful

# GETMAXSHUTDOWNTEMP

Returns the maximum shutdown temperature.

## Commands

Command	Description	Values
GETMAXSHUTDOWNTEMP	Returns the maximum shutdown temperature.	-

## Examples

Return the maximum shutdown temperature:

GETMAXSHUTDOWNTEMP

Result:

#\*System Shutdown Temperature:

or

#\*Temperature Settings are not available!!

# GETMAXVOLUME

Returns the volume maximum level for the Hotel mode.

## Commands

Command	Description	Values
GETMAXVOLUME	Returns the volume maximum level for the Hotel mode.	-

## Examples

Return the maximum volume level for Hote mode:

GETMAXVOLUME

Result:

#\*MAX VOLUME 50

# GETMBSUBTFONTSIZE

Returns the subtitle font size.

## Commands

Command	Description	Values
GETMBSUBTFONTSIZE	Returns the subtitle font size.	-

## Examples

Return the subtitle font size:

GETMBSUBTFONTSIZE

Result:

#\*The media browser subtitle font size is 75

# GETMBSUBTLANG

Returns the subtitle language.

## Commands

Command	Description	Values
---------	-------------	--------

GETMBSUBTLANG	Returns the subtitle language.	-
---------------	--------------------------------	---



## Examples

Return the subtitle language:  
**GETMBSUBTLANG**  
 Result:  
**#\*Subtitle is set to French**

# GETMBSUBTPOS

Returns the subtitle position.

## Commands

Command	Description	Values
GETMBSUBTPOS	Returns the subtitle position.	<ul style="list-style-type: none"> <li>• UP</li> <li>• DOWN</li> </ul>

## Examples

Return the subtitle position:  
**GETMBSUBTPOS**  
 Result:  
**#\*The subtitle position is up**

# GETMENUTIMEOUT

Displays the current menu timeout settings.

## Commands

Command	Description	Values
GETMENUTIMEOUT	Displays the current menu timeout settings.	-

## Examples

Display the current menu timeout settings:  
**GETMENUTIMEOUT**  
 Result:  
**#\*menu timeout mode is 15**  
 or  
**#\*menu timeout mode is OFF**

# GETMINVOLUME

Returns the minimum volume level

## Commands

Command	Description	Values
GETMINVOLUME	Returns the minimum volume level.	0 to 100

## Examples

Return the minimum volume level:

```
GETMINVOLUME
```

Result:

```
##*The minimum volume is 20
```

# GETMODE\_EMBEDDEDTOUCH

Returns the embedded touch mode.

## Commands

Command	Description	Values
GETMODE_EMBEDDEDTOUCH	Returns the embedded touch mode.	-

## Examples

Return the embedded touch mode:

```
GETMODE_EMBEDDEDTOUCH
```

Result:

```
##*Embedded touch mode is XXXX
```

or

```
##*Embedded touch mode is (invalid input)
```

# GETMODELNO

Displays the model number of the display panel.

## Commands

Command	Description	Values
GETMODELNO	Displays the model number of the display panel.	-

## Examples

Display the model number of the display panel:

```
GETMODELNO
```

# GETMODE\_MIC

Returns the DSP(Mic) and front USB status value.

## Commands

Command	Description	Values
GETMODE_MIC	Returns the DSP(Mic) and front USB status value.	-

## Examples

Return the DSP and front USB status value:

```
GETMODE_MIC
```

Result:

```
##*Mic Mode is XXXX
```

or

```
##*Mic Mode is (invalid input)
```

# GETMODE\_WIFIBT

Returns the WiFi & BT Switch mode value.

## Commands

Command	Description	Values
GETMODE_WIFIBT	Returns the WiFi & BT Switch mode value.	-

## Examples

Return the WiFi & BT Switch mode value:

```
GETMODE_WIFIBT
```

Result:

```
##*WiFi & BT Switch mode is XXXX
```

or

```
##*WiFi & BT Switch Mode is (invalid input)
```

# GETMUTE

Retrieves the current Mute setting.

## Commands

Command	Description	Values
GETMUTE	Retrieves the current status of the Mute setting.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Display the status of the Mute setting:

```
GETMUTE
```

Result:

```
##*MUTE OFF
```

or

```
##*MUTE ON
```

## GETNETWORKTYPE

Displays the Network Type setting.

### Commands

Command	Description	Values
GETNETWORKTYPE	Displays the Network Type setting.	-

### Examples

```
Display the Network Type setting:
GETNETWORKTYPE

Result:
##*the network type is wired
```

## GETNOISEREDUCTION

Returns the noise reduction.

### Commands

Command	Description	Values
GETNOISEREDUCTION	Returns the noise reduction.	-

### Examples

```
Return the noise reduction:
GETNOISEREDUCTION
```

## GETNUMBEROFUSBSTORAGES

Returns the number of attached USB storage devices.

### Commands

Command	Description	Values
GETNUMBEROFUSBSTORAGES	Returns the number of attached USB storage devices.	-

### Examples

```
Return the number of attached USB storage devices:
GETNUMBEROFUSBSTORAGES

Result:
##*number of attached usb storages is 3
```

# GETOFFSET

Returns the offset value.

## Commands

Command	Description	Values
GETOFFSET	Returns the offset value.	-

## Examples

Return the offset value:  
GETOFFSET

# GETOPSPower

Displays the current power state of the OPS.

## Commands

Command	Description	Values
GETOPSPower	Displays the current power state of the OPS.	The OPS is not plugged in ON OFF

## Examples

Display the power status of the OPS:  
GETOPSPower  
Result:  
##The OPS is not plugged in  
or  
##The OPS is on  
or  
##The OPS is off

# GETOSDORIENTATION

Displays the orientation of the on-screen display (OSD).

## Commands

Command	Description	Values
GETOSDORIENTATION	Displays the orientation of the on-screen display (OSD).	-

## Examples

Display the orientation of the on-screen display (OSD):

GETOSDORIENTATION

Result:

#\*The OSD orientation landscape

## GETOWB

Get on-screen display (OSD) white balance value.

### Commands

Command	Description	Values
GETOWB	Returns the on-screen display (OSD) white balance value.	Redgain Greengain Bluegain Brightness

### Examples

Return the on-sceren display (OSD) white balance value:

GETOWB

Result:

#\* type bluegain

## GETPANELLOCK

Returns the Panel Lock availability.

### Commands

Command	Description	Values
GETPANELLOCK	Returns the Panel Lock availability.	-

### Examples

Return the Panel Lock availability:

GETPANELLOCK

## GETPATTERN

Returns the selected pattern of the panel screen.

### Commands

Command	Description	Values
GETPATTERN	Returns the selected pattern of the panel screen.	-

## Examples

Return selected pattern of the panel screen:  
**GETPATTERN**

# GETPHASE

Returns the phase.

## Commands

Command	Description	Values
GETPHASE	Returns the phase.	-

## Examples

```
Return the phase:
GETPHASE

Result:
#*The phase is XXX

or

#*GETPHASE is available only for VGA Source.
```

# GETPICTUREMODE

Displays the current Picture mode setting.

## Commands

Command	Description	Values
GETPICTUREMODE	Displays the current Picture mode setting.	-

## Examples

```
Display the current Picture mode setting:
GETPICTUREMODE

Result:
#*Picture Mode is 3
```

# GETPICTUREZOOM

Returns the Picture Zoom mode.

## Commands

Command	Description	Values
GETPICTUREZOOM	Returns the Picture Zoom mode.	-

## Examples

```
Return the Picture Zoom mode:
GETPICTUREZOOM
```

# GETPIXELSHIFT

Returns the Pixel Shift value.

## Commands

Command	Description	Values
GETPIXELSHIFT	Returns the Pixel Shift value.	-



## Examples

Return the Pixel Shift value:  
GETPIXELSHIFT

# GETPORTALMODE

Returns the display Portal mode.

## Commands

Command	Description	Values
GETPORTALMODE	Returns the display Portal mode.	-

## Examples

Return the status of the Portal mode:  
GETPORTALMODE

Result:  
 #\*display\_portal\_status:0  
 #\*Portal status 0 is sent to listening socket(if open)  
 or  
 #\*display\_portal\_status:1  
 #\*Portal status 1 is sent to listening socket(if open)

# GETPOWERONDELAY

Displays the current Power on Delay setting.

## Commands

Command	Description	Values
GETPOWERONDELAY	Displays the current Power on Delay setting.	-

## Examples

Display the current power on delay setting:  
GETPOWERONDELAY

Result:  
#\*The power on delay is 1200 ms

# GETPOWERSAVE

Displays the current Power Saving mode.

## Commands

Command	Description	Values
---------	-------------	--------

GETPOWERSAVE	Displays the current Power Saving mode.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>
--------------	---	---

**Examples**

Display the current Power Saving mode:

GETPOWERSAVE

Result:

Result: `##Powersavemode is ON`

## GETPROFILEINFO

Returns the Profile information.

**Commands**

Command	Description	Values
GETPROFILEINFO	Returns the Profile information.	-

**Examples**

Return the Profile information:

GETPROFILEINFO

Result:

##Profile name: `mbXXX_draft_profile`

## GETPROXY

Returns the proxy configuration.

**Commands**

Command	Description	Values
GETPROXY	Returns the proxy configuration.	-

**Examples**

Return the proxy configuration:

GETPROXY

Result:

##Current proxy is `nnn.nnn.nnn.nnn:nnnn`

or

##No proxy address

## GETQUICKSTANDBY

Displays the current state of Quick Standby mode.

## Commands

Command	Description	Values
GETQUICKSTANDBY	Display the current state of the Quick Standby mode.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Display the current state of Quck Standby mode:

```
GETQUICKSTANDBY
```

Result:

```
#*Quick Standby is off.
```

# GETQUICKSTANDBYOPTION

Returns the Quick Standby option state.

## Commands

Command	Description	Values
GETQUICKSTANDBYOPTION	Returns Quick Standby option state.	<ul style="list-style-type: none"> <li>• Enabled</li> <li>• Disabled</li> </ul>

## Examples

Display the Quck Standby option state:

```
GETQUICKSTANDBYOPTION
```

Result:

```
#*quick standby option is enabled
```

# GETRAMUSAGEPERCENTAGE

Returns the percentage of RAM usage.

## Commands

Command	Description	Values
GETRAMUSAGEPERCENTAGE	Returns the percentage of RAM usage.	-

## Examples

Display the percentage of RAM usage:

```
GETRAMUSAGEPERCENTAGE
```

Result:

```
#*memory usage percentage is 30%
```

or

```
#*can not get memory usage percentage
```

# GETRC

Displays the current status of the remote control.

## Commands

Command	Description	Values
GETRC	Displays the status of the remote control.	-

## Examples

```

Display the current status of the remote control:
GETRC
Result:
#*remote control commands are on
    
```

# GETRCU

Returns the RCU Inhibit value.

## Commands

Command	Description	Values
GETRCU	Returns the RCU Inhibit value.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

```

Display the RCU Inhibit value:
GETRCU
Result:
#*RCU Inhibit is ON
or
#*NACK
    
```

# GETROWCOUNT

Returns the row count.

## Commands

Command	Description	Values
GETROWCOUNT	Returns the row count.	-

## Examples

```

Return the row count:
GETROWCOUNT
    
```

```
Result:
#*row count is 10
```

## GETRTCDATE

Returns the RTC date.

### Commands

Command	Description	Values
GETRTCDATE	Returns the RTC date.	-

### Examples

```
Return the RTC date:
GETRTCDATE
```

## GETSCHEDULEOP

Displays the scheduler parameters.

### Commands

Command	Description	Values
GETSCHEDULEOP <preset>	Displays the scheduler parameters for the specified preset.	preset = 1, 2, 3, or 4

### Examples

```
Display the scheduler parameters for preset 1:
GETSCHEDULEOP 1

Result:
#*Scheduler: 1 - Active: 1 - Source: 12 - OFF Enabled: 1 ON: 31/07/2017 10:30:00 - OFF: 01/08/2017
03:30:00 DAYS: MON TUE WED THU FRI SAT SUN
```

## GETSCHEDULER

Displays the status of the scheduler.

### Commands

Command	Description	Values
GETSCHEDULER <preset>	Displays the status of the scheduler for the specified preset.	preset = 1, 2, 3, or 4

### Examples

```
Display the status of scheduler 1:
GETSCHEDULER 1
```

Result:  
 #\*The scheduler is ON

## GETSERIALNO

Display the serial number of the display panel.

### Commands

Command	Description	Values
GETSERIALNO	Displays the serial number of the displaypanel.	-

### Examples

Display the serial number of the display panel:  
 GETSERIALNO

## GETSETTINGSURL

Retrieves the browser settings for the URL.

### Commands

Command	Description	Values
GETSETTINGSURL	Retrieves the browser settings for the URL.	-

### Examples

Retirm the browser settings for the URL:  
 GETSETTINGSURL

## GETSHARPNESS

Displays the picture Sharpness setting.

### Commands

Command	Description	Values
GETSHARPNESS	Displays the picture Sharpness setting.	-

### Examples

Display the Picture Sharpness setting:  
 GETSHARPNESS  
 Result:  
 #\*THE SHARPNESS VALUE : 30

# GETSIGNAGEID

Displays the signage ID.

## Commands

Command	Description	Values
GETSIGNAGEID	Displays the signage ID.	If the return value is 0, no signage ID is assigned. 0 = Deaful

## Examples

```
Display the signage ID:
GETSIGNAGEID

Result:
##The signage ID is 0
```

# GETSKINTONE

Displays the picture Skin Tone value.

## Commands

Command	Description	Values
GETSKINTONE	Displays the picture Skin Tone value.	-

## Examples

```
Display the picture Sking Tone value
GETSKINTONE
```

# GETSLIDESHOWINTERVAL

Displays the current slide show interval setting.

## Commands

Command	Description	Values
GETSLIDESHOWINTERVAL	Displays the current slide show interval setting.	-

## Examples

```
Display the current slide show interval setting:
GETSLIDESHOWINTERVAL

Result:
##The slideshow interval is 30 seconds
```

# GETSOURCE

Displays the currently enabled source.

## Commands

Command	Description	Values
GETSOURCE	Displays the currently enabled source.	-

## Examples

```

Display the current source:
GETSOURCE

Result:
#*source is VGA
    
```

# GETSTANDBY

Displays the current Standby status.

## Commands

Command	Description	Values
GETSTANDBY	Displays the current Standby status.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

```

Display the current Standby status:
GETSTANDBY

Result:
#*standby on
or
#*standby off
    
```

# GETSTARTUPMODE

Retrieves the startup mode for the Hotel mode. It also works in Signage mode.

## Commands

Command	Description	Values
GETSTARTUPMODE	Retrieves the startup mode for the Hotel mode.	-

## Examples

```

Return the startup mode for the Hotel mode:
GETSTARTUPMODE
    
```



# GETSTARTUPSOURCE

Retrieves the startup source for the Hotel mode. It also works in Signage mode.

## Commands

Command	Description	Values
GETSTARTUPSOURCE	Retrieves the startup source for the Hotel mode.	-

## Examples

Display the startup source for Hotel mode:

```
GETSTARTUPSOURCE
```

# GETSTARTURL

Retrieves the start URL.

## Commands

Command	Description	Values
GETSTARTURL	Retrieves the start URL.	-

## Examples

Return the start URL:

```
GETSTARTURL
```

Result:

```
##*the startup URL is XXXX
```

# GETSTARTVOLUME

Retrieves the startup volume for the Hotel mode. It also works in Signage mode.

## Commands

Command	Description	Values
GETSTARTVOLUME	Retrieves the startup volume for the Hotel mode.	-

## Examples

Return the startup volume for Hotel mode:

```
GETSTARTVOLUME
```

Result:

```
##*the startup volume is XXX
```

# GETSUBNETMASK

Displays the subnet mask.

## Commands

Command	Description	Values
GETSUBNETMASK	Displays the subnet mask.	-

## Examples

```
Return the subnet mask:
GETSUBNETMASK

Result:
##*the subnet mask is 255.255.255.0
```

# GETSWPROFILEVERSION

Retrieves the software profile version.

## Commands

Command	Description	Values
GETSWPROFILEVERSION	Retrieves the software profile version.	-

## Examples

```
Return the software profile version:
GETSWPROFILEVERSION

Result:
##*sw profile version is XXX
or
##*sw profile version is not defined
```

# GETSWVERSION

Displays the version of software installed on the display panel.

## Commands

Command	Description	Values
GETSWVERSION	Displays the version of software installed on the display panel.	-

## Examples

```
Return the version of the software installed on the display:
GETSWVERSION

Result:
```

```
#*V <version number>
```

## GETSYSTEMTEMP

Displays the system temperature.

### Commands

Command	Description	Values
GETSYSTEMTEMP	Displays the system temperature.	-

### Examples

```
Display the system temperature:
GETSYSTEMTEMP

Result:
#*Current System Temperature: 25°C
or
#*Temperature Settings are not available!!!
```

## GETTEMPERATURE

Measures the ambient temperature using the temperature sensor.

### Commands

Command	Description	Values
GETTEMPERATURE	Measures the ambient temperature using the temperature sensor.	-

### Examples

```
Display the ambient temperature:
GETTEMPERATURE

Result:
#*TEM=..25°C
or
#*Temperature sensor is not available
```

## GETTIMEMODE

Retrieves the Time mode.

### Commands

Command	Description	Values
GETTIMEMODE	Retrieves the Time mode.	• Auto

		• Manual
--	--	----------

### Examples

Retrieves the Time mode:  
**GETTIMEMODE**  
 Result:  
**##time mode is Auto**  
 or  
**##can not get time mode**

## GETTOTALSPACE

Displays the total amount of space on the connected USB device.

### Commands

Command	Description	Values
GETTOTALSPACE	Displays the total amount of space on the connected USB device, in MB.	-

### Examples

Display the total amount of space on the connected USB device:  
**GETTOTALSPACE**  
 Result:  
**##The total space is 4096 MB**

## GETTOUCHCONTROL

Displays the status of the touch control.

### Commands

Command	Description	Values
GETTOUCHCONTROL	Displays the status of the touch control.	<ul style="list-style-type: none"> <li>• OFF</li> <li>• ON</li> </ul>

### Examples

Display the status of the touch control:  
**GETTOUCHCONTROL**  
 Result:  
**##Touch control is ON**

## GETTVLIFETIME

Displays the number of minutes the display panel has been on.

## Commands

Command	Description	Values
GETTVLIFETIME	Displays the number of minutes the display panel has been on.	-

## Examples

Display the number of minutes the display panel has been on:

GETTVLIFETIME

Result:

#\*Monitor Life Time: 500

# GETURL

Retrieves the URL of the current page, if the portal is active.

## Commands

Command	Description	Values
GETURL	Retrieves the URL of the current page, if the portal is active.	-

## Examples

Return the URL of the current page:

GETURL

Result:

#\*URL : XXX

# GETUSBAUTOPLAY

Displays the current USB Autoplay setting.

## Commands

Command	Description	Values
GETUSBAUTOPLAY	Displays the current USB Autoplay setting.	-

## Examples

Display the current USB Autoplay setting:

GETUSBAUTOPLAY

Result:

#\*The USB autoplay is ON

# GETUSBOPTION

Displays the USB option.

**Commands**

Command	Description	Values
GETUSBOPTION	Displays the USB option.	-

**Examples**

Display the USB option:  
**GETUSBOPTION**

**GETUSERAGENT**

Retrieves the portal user agent.

**Commands**

Command	Description	Values
GETUSERAGENT	Retrieves the portal user agent.	-

## Examples

```
Return the portal user agent:
GETUSERAGENT

Result:
#*Current UA : ...
```

# GETVIDEOCROP

Retrieves the crop parameters.

## Commands

Command	Description	Values
GETVIDEOCROP	Retrieves the crop parameters.	-

## Examples

```
Return the crop parameter:
GETVIDEOCROP

Result:
#*x position is 1, y position is 1, width is 3, height is 2
```

# GETVIDEOWALL

Retrieves the video wall parameters.

## Commands

Command	Description	Values
GETVIDEOWALL	Retrieves the video wall parameters.	-

## Examples

```
Return the video wall parameters:
GETVIDEOWALL

Result:
#*row count is 5, column count is 2, cell is 5, offset is 2
```

# GETVIDEOWALLENABLED

Retrieves the video wall enable value.

## Commands

Command	Description	Values
GETVIDEOWALLENABLED	Retrieves the video wall enable value.	• ON

		• OFF
--	--	-------

### Examples

```
Return the video wall enable value:
GETVIDEOWALLENABLED

Result:
#*Video Wall is ON
or
#*Video Wall is OFF
or
#*Video wall is disabled in profile
```

## GETVIDSTATE

Retrieves the video state.

### Commands

Command	Description	Values
GETVIDSTATE	Retrieves the video state.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

### Examples

```
Return the video state:
GETVIDSTATE

Result:
#*video is on
or
#*video is off
```

## GETVIEWSTYLE

Displays the current view style for the media browser.

### Commands

Command	Description	Values
GETVIEWSTYLE	Displays the current view style for the media browser.	-

### Examples

```
Display the current view style for the Media Browser:
GETVIEWSTYLE

Result:
#*The view style is flat
```



# GETVOLUME

Displays the volume level of the display panel.

## Commands

Command	Description	Values
GETVOLUME	Displays the volume level information of the display panel.	-

## Examples

Display the volume level information of the display panel:

```
GETVOLUME
```

Result:

```
##*volume level is 7
```

# GETVPOS

Displays the current vertical position.

## Commands

Command	Description	Values
GETVPOS	Displays the current vertical position.	-

## Examples

Display the current vertical position:

```
GETVPOS
```

Result:

```
##*The vertical position is -10
```

# GETWB

Displays the white balance value.

## Commands

Command	Description	Values
GETWB	Displays the white balance value.	<ul style="list-style-type: none"> <li>• Redgain</li> <li>• Greengain</li> <li>• Bluegain</li> <li>• Redoffset</li> <li>• Greenoffset</li> <li>• Blueoffset</li> </ul>

**Examples**

```
Display the white balance value:
GETWB
Result:
#* type blueoffset
```

**GETWIFIAPCHANNEL**

Returns the stored channel of the WiFi access point.

**Commands**

Command	Description	Values
GETWIFIAPCHANNEL	Returns the stored channel of the WiFi access point.	-

**Examples**

```
Return the stored channel of the WiFi access point:
GETWIFIAPCHANNEL
Result:
#*Current stored WiFi AP Channel is XXXX
```

**GETWIFIAPTXPOWER**

Returns the TX power for the WiFi access point.

**Commands.**

Command	Description	Values
GETWIFIAPTXPOWER	Returns the TX power for the WiFi access point.	-

**Examples**

```
Return the TX power for the WiFi access point:
GETWIFIAPTXPOWER
Result:
#*Current Wifi AP TX Power is XXX
```

**GTCURL**

Retrieves the channel list URL.

**Commands**

Command	Description	Values
GTCURL	Retrieves the channel list URL.	-

## Examples

Return the channel list URL:  
**GETCURL**  
 Result:  
 #channelListUrl =XXX

## GTFTP

Retrieves the FTP properties.

### Commands

Command	Description	Values
GTFTP	Retireves the FTP properties.	-

### Examples

Return the FTP properties:  
**GETFTP**  
 Result:  
 #FTP server address= XXX  
 FTP server user = XXX  
 FTP server password = XXX

## GTNTP

Displays the NTP Server IP.

### Commands

Command	Description	Values
GTNTP	Displays the NTP Server IP.	-

### Examples

Return the NTP server IP:  
**GETNTP**  
 Result:  
 #NTP server url is XXX

## GTSURL

Retrieves the display portal URL.

### Commands

Command	Description	Values
---------	-------------	--------

GETSURL	Retrieves the display portal URL.	-
---------	-----------------------------------	---

**Examples**

```
Return the display portal URL:
GETNTP
Result:
#StartUp url is XXX
```

**GTZ**

Displays the timezone.

**Commands**

Command	Description	Values
GTZ	Displays the timezone.	-

**Examples**

```
Return the timezone:
GETNTP
Result:
#Timezone is GMT-4
```

**GWOL**

Displays the status of the Wake on the LAN.

**Commands**

Command	Description	Values
GWOL	Displays the status of the Wake on the LAN.	-

**Examples**

```
Display the status of the Wake on the LAN:
GWOL
```

**HARDOFHEARING**

Sets the hard-of-hearing state.

**Commands**

Command	Description	Values
HARDOFHEARING n	Sets the hard-of-hearing state.	0 = Off 1 = On

## Examples

Set the hard-of-hearing state:

```
HARDOFHEARING 1
```

Result:

```
##*set hardofhearing state to on
```

# HEADPHONEVOLUME

Sets the headphone volume level.

## Commands

Command	Description	Values
HEADPHONEVOLUME	Sets the headphone volume level.	0 to 100

## Examples

```
Set the headphone volume level:
HEADPHONEVOLUME

Result:
#*set headphone volume to 20
```

## HPOS

Sets the horizontal position of the image on the display panel.

### Commands

Command	Description	Values
HPOS <value>	Sets the horizontal position of the image on the display panel. The value is a percentage of the image.	-25 to 25

### Examples

```
Set the horizontal position to -10:
HPOS -10

Result:
#*set horizontal position to -10
```

## IMAGEGETSHOWN

Returns the shown image file.

### Commands

Command	Description	Values
IMAGEGETSHOWN	Returns the shown image file.	-

### Examples

```
Return the shown image file:
IMAGEGETSHOWN

Result:
#*Showing /mnt/hd0a/picture.jpg
```

## IMGSHOW

Shows the image file.

### Commands

Command	Description	Values
---------	-------------	--------

IMGSHOW <image file>	Shows the image file.	image file= Path and filename
----------------------	-----------------------	-------------------------------

### Examples

```
Show the image file:
IMGSHOW /mnt/hd0a/picture.jpg

Result:
#*Playing video : /mnt/hd0a/picture.jpg
```

## INCOWB

Increments the on-screen display (OSD) white balance value by n.

### Commands

Command	Description	Values
INCOWB <type> <value>	Increments the on-screen display (OSD) white balance by the specified value.	<ul style="list-style-type: none"> <li>type = Redgain, Greengain, Bluegain, Brightness</li> <li>value = 0 to 250</li> </ul>

### Examples

```
Show the image file:
INCOWB Redgain 25

Result:
#*OSD White Balance is set to 25 for the redgain
or
Invalid value for OSD White Balance (0-255)
or
Invalid type for White Balance OSD
```

## INCWB

Increments the white balance value by n.

### Commands

Command	Description	Values
INCWB <type> <value>	Increments the white balance by the specified value.	<ul style="list-style-type: none"> <li>type = Redgain, Greengain, Bluegain, Brightness</li> <li>value = 0 to 250</li> </ul>

### Examples

```
Show the image file:
INCWB Bluegain 50

Result:
#*OSD White Balance is set to 50 for the bluegain
or
Invalid value for OSD White Balance (0-255)
```

or  
Invalid type for White Balance OSD

## INSTALLANALOGCHANNEL

Starts an analog manual search.

### Commands

Command	Description	Values
INSTALLANALOGCHANNEL <frequency>	Starts an analog manual search.	frequency = Khz value)

### Examples

Show the image file:  
INSTALLANALOGCHANNEL 83Khz  
Result:  
#\* startManualScan() XXX  
or  
#\*No frequency value entered.

## INTERNETSPEED

Starts the internet speed test.

### Commands

Command	Description	Values
INTERNETSPEED	Starts the internet speed test.	-

### Examples

Start the internet speed test:  
INTERNETSPEED  
Result:  
#\* Speed test is started.  
Prints "No internet connection found" message if fails.

## irkey

Provides the irkey KeyValue(HEX).

### Commands

Command	Description	Values
irkey <key>	Provides the irkey KeyValue.	key = Valid irkey value in hex format



## Examples

```
Provide the irkey value:
Irkey 0x38

Result:
#* GenericIRKeySet key: 0x38
```

# KEY

Navigates the display panel menu as if using the remote control.

## Commands

Command	Description	Values
KEY <value>	Sends a key command the display panel menu, as if the key was pressed on the remotecontrol.	value = Number, direction, or menu item

## Examples

```
Display a list of available names:
KEY
```

```
Display a list of available names:
KEY ?
```

```
Display the menu:
KEY menu
```

```
Increase the volume by one step:
KEY vol+
```

```
Play the media:
KEY play
```

# KEY standby

Switches the box to Standby mode, for quick Standby.

## Commands

Command	Description	Values
KEY standby	Switches the box to Standby mode, for quick Standby.	-

## Examples

```
Switch the box to Standby mode:
KEY standby

Result:
#* standby key sent
```

## LED

Turns the LED on or off. It is used for setting the LED status of the current state.

### Commands

Command	Description	Values
LED <0   1>	Turns the LED on or off. It is used for setting the LED status of the current state.	<ul style="list-style-type: none"> <li>• 0 = OFF</li> <li>• 1 = ON</li> </ul>

### Examples

Turn on the LED: <b>LED 1</b>  Result: <b>##LED is ON</b>
Turn off the LED: <b>LED 0</b>  Result: <b>##LED is OFF</b>

## MENUTIMEOUT

Sets the amount of time before the menu times out.

### Commands

Command	Description	Values
MENUTIMEOUT <time>	Sets the amount of time before the menu timesout.	<ul style="list-style-type: none"> <li>• 0 = Off</li> <li>• 15 = 15 seconds</li> <li>• 30 = 30 seconds</li> <li>• 60 = 60 seconds</li> </ul>

### Examples

Set the menu to timeout after 30 seconds: <b>MENUTIMEOUT 30</b>  Result: <b>##set menu timeout mode to 30</b>
---

## MP3GETPLAYING

Returns the playing audio file.

### Commands

Command	Description	Values
---------	-------------	--------

MP3GETPLAYING	Returns the playing audio file.	-
---------------	---------------------------------	---

**Examples**

```
Return the playing audio file:
MPG3GETPLAYING

Result:
##*Playing /mnt/hd0a/audio.mp3
```

**MP3PLAY**

Plays the MP3 audio file.

**Commands**

Command	Description	Values
MP3PLAY <file>	Plays the MP3 audio file.	File = Valid filename and path

**Examples**

```
Return the playing audio file:
MPG3PLAY /mnt/hd0a/audio.mp3

Result:
##*Playing audio : /mnt/hd0a/audio.mp3
```

**NETCLONE**

Clones from the FTP server.

Before this process, check the network configuration. If a static IP address is set, it is also cloned.

**Commands**

Command	Description	Values
NETCLONE <FTP server>	Clones from the FTP server	FTP server = IP of FTP server and path

**Examples**

```
Clone from the FTP server:
NETCLONE ftp://user_name:password@ip_addr/source_path

Result:
##* Invalid parameter
or
##* "file_name" is cloned successfully
or
##* "file_name" clone is failed
```

# OPENURL

Starts the given URL and returns the web page load status directly.

## Commands

Command	Description	Values
OPENURL <URL>	Starts the given URL and returns the web page load status directly.	URL = Valid URL

## Examples

Start the given URL:  
**OPENURL XXX**

Result:  
 #\*status= ... URL= XXXX

# PATTERN

Sets the panel screen to selected pattern.

## Commands

Command	Description	Values
PATTERN <pattern>	Sets the panel screen to selected pattern.	<ul style="list-style-type: none"> <li>• WHITE</li> <li>• RED</li> <li>• GREEN</li> <li>• BLUE</li> <li>• MAGENTA</li> <li>• CYAN</li> <li>• YELLOW</li> <li>• GRAY</li> <li>• BLACK</li> <li>• CLEAR</li> <li>• r-g-b—Bytes represent color component values</li> </ul>

## Examples

Set the panel screen to the GREEN pattern:  
**PATTERN GREEN**

Result:  
 #\*set pattern to GREEN

# PHASE

Sets the phase.

## Commands

Command	Description	Values
PHASE <phase>	Sets the phase.	-30 to 30

## Examples

Set the phase to -30:

```
PHASE -30
```

Result:

```
##set dot clock to -30
```

or

```
##invalid value entered
```

or

```
##PHASE is available only for VGA Source.
```

## PICTUREMODE

Sets the picture mode.

## Commands

Command	Description	Values
PICTUREMODE <mode>	Sets the picture mode.	1 = Dynamic 2 = Natural 3 = Cinema 4 = Game 5 = Sport

## Examples

Set the picture mode to cinema:

```
PICTUREMODE 3
```

Result:

```
##setPictureMode() set to 3
```

# PICTURERESET

Resets the picture settings.

## Commands

Command	Description	Values
PICTURERESET	Resets the picture settings.	-

## Examples

Reset the picture settings:

```
PICTURERESET
```

Result:

```
##Picture brightness value is set to XXX ##Picture sharpness value is set to XXX ##Picture colour value is set to XXX ##Picture contrast value is set to XXX ##Picture hue value is set to XXX ##Picture skin tone value is set to XXX
```

# PICTUREZOOM

Sets the Zoom mode.

## Commands

Command	Description	Values
PICTUREZOOM <mode>	Sets the Zoom mode.	<ul style="list-style-type: none"> <li>• Auto</li> <li>• 16:9</li> <li>• Subtitle</li> <li>• 14:9</li> <li>• 14:9 zoom</li> <li>• 4:3</li> <li>• Full (only for HD channels)</li> <li>• Cinema</li> </ul>

## Examples

Reset the zoom mode to 16:9:

```
PICTUREZOOM 16:9
```

Result:

```
##setPictureZoomMode() set to 16:9
```

# POWERSAVE

Sets the Power Save mode.

## Commands

Command	Description	Values
POWERSAVE <value>	Sets the Power Save mode.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Set the Power Save mode to ON:

```
POWERSAVE ON
```

Result:

```
##set Power save mode to ON, backlight to its default value
```

or

```
## Power save mode can not set to ON, because its default value is OFF
```

Set the Power Save mode to OFF:

```
POWERSAVE OFF
```

Result:

```
##set Power save mode to OFF, set to last backlight mode
```

# PRINTALLPROFILE

Prints the hardware (hw), software (sw) and development (dev) profile values.

**Commands**

Command	Description	Values
PRINTALLPROFILE	Prints the hardware (hw), software (sw) and development (dev) profile values.	-

**PRINTDEVPROFILE**

Prints the development (dev) profile values.

**Commands**

Command	Description	Values
PRINTDEVPROFILE	Prints the development (dev) profile values.	-

**PRINTHWPROFILE**

Prints the hardware (hw) profile values.

**Commands**

Command	Description	Values
PRINTHWPROFILE	Prints the hardware (hw) profile values.	-

**PRINTSWPROFILE**

Prints the software (sw) profile values.

**Commands**

Command	Description	Values
PRINTSWPROFILE	Prints the software (sw) profile values.	-

**RESET**

Resets the display panel.

**Commands**

Command	Description	Values
RESET	Resets the device.	-

**Examples**

Resets the display panel: <b>RESET</b>
---



## RST

Restarts the display panel.

### Commands

Command	Description	Values
RST	Restarts the display panel.	-

### Examples

```
Reset the display panel:
RST

Result:
#*Monitor will be restarted
```

## RTCSET

Sets or queries the realtime clock (RTC).

### Commands

Command	Description	Values
RTCSET <parm>	Sets or queries the real-time clock (RTC).	parm = Optional integer parameter

### Examples

```
Queries the real-time clock (RTC):
RST

Result:
First outputs the current RTC elapsed seconds in decimal and hex format:
#*RTC time is 200 0xc8

Sets the real-time clock (RTC):
RST 255

Result:
If a non-zero parameter is passed, sets it as RTC elapsed seconds(assumes parameter is a UTC time) and outputs the following:
#*RTC set time to 255
#*RTC new time is 255 0xff
```

## RTVP

Returns the display Main page

### Commands

Command	Description	Values
RTVP	Returns the display Main page	-

## Examples

```
Return to the display Main page!:
RTVP
Result:
#Refresh Done in SUCCESS !!!
```

# SAVEMODELINFO

Saves the model name and software version of the display panel to a removable device.

## Commands

Command	Description	Values
SAVEMODELINFO	Saves the model name and software version of the display panel to the connected device.	-

## Examples

```
Save the model name and software version of the display panel to the connected device:
SAVEMODELINFO
Result:
##Model info is saved
```

# SAVEWIFIPROFILE

Saves the access point to the wifi\_profile.

## Commands

Command	Description	Values
SAVEWIFIPROFILE <point>	Saves the access point to the wifi_profile.	point = ssid, bssid key

## Examples

```
Save the access point of the wifi_profile:
SAVEWIFIPROFILE
Result:
## Profile saved.
or
## Number of profiles exceeds the maximum number to be stored.
```

# SCAN

Performs a scan.

## Commands

Command	Description	Values
SCAN	Performs a scan.	-

## Examples

```
Save the access point of the wifi_profile:
SCAN

Result:
#*doScan() returns successfully.
or
#*doScan() returns unsuccessfully!
```

# screen\_capture\_usb

Captures the specified surface as BMP to a USB stick.

## Commands

Command	Description	Values
screen_capture_usb <surface>	Captures the specified surface as BMP to a USB stick.	<ul style="list-style-type: none"> <li>• 0 =User interface (UI)</li> <li>• 8 = Video and OSD</li> </ul>

## Examples

```
Capture the user interface surface:
Screen_capture_usb 0

Result:
#*Screen capture is successfull.
or
#*Screen capture failed!
```

# SCURL

Sets the Channel list URL.

## Commands

Command	Description	Values
SCURL <URL>	Sets the Channel list URL.	URL = new url of channel list

## Examples

```
Set the Channel list URL:
SCURL XXX

Result:
#Channel List Url setup SUCCEEDED
```

## SDFTI

Sets the Default First Time Installation by resetting the parameters set by SFTI and returning to default FTI settings and then reboots the system.

### Commands

Command	Description	Values
SDFTI	Sets the Default First Time Installation by resetting the parameters set by SFTI and returning to default FTI settings and then reboots the system.	-

### Examples

Set the Default First Time Installation:

```
SDFTI
```

Result:

```
#System will be reinitialised !!!
```

## SEA

Sends the emergency alarms

### Commands

Command	Description	Values
SEA <URL> <message>	Sends the emergency alarm.	<ul style="list-style-type: none"> <li>• URL = Alarm URL</li> <li>• Message = "word1+ word2+word3 ..."</li> </ul>

### Examples

Send the emergency alarm:

```
SEA xxx "xxxxxx"
```

Result:

```
#Emergency Alarm is set !!!
```

## SELECTSOURCE

Selects the source.

### Commands

Command	Description	Values
SELECTSOURCE n	Selects the source. Some source indexes are not enabled.	<ul style="list-style-type: none"> <li>• 0 = TV</li> <li>• 7 = HDMI1</li> <li>• 8 = HDMI2</li> <li>• 9 = HDMI3</li> <li>• 10 = HDMI4</li> <li>• 12 = PC</li> </ul>

		<ul style="list-style-type: none"> <li>• 19 = DP</li> <li>• 20 = OPS</li> <li>• 21 = WIDI</li> <li>• 26 = TYPE C</li> </ul>
--	--	---

### Examples

```

Select the HDMI4 source:
SELECTSOURCE 10

Result:
#*select TV source
or
#*select External source ...
    
```

## SET2DONLY

Sets the 2D values.

### Commands

Command	Description	Values
SET2DONLY <0   1   2>	Sets the 2D values.	<ul style="list-style-type: none"> <li>• 0 = OFF</li> <li>• 1 = LEFT</li> <li>• 2 = RIGHT</li> </ul>

### Examples

```

Set the 2D value to right:
SET2DONLY 2

Result:
#* set2Donly() set to 2
or
#*Incorrect 2D only mode paramater entered
    
```

## SET3DMODE

Sets the 3D mode values.

### Commands

Command	Description	Values
SET3DMODE <value>	Sets the 3D mode values.	<ul style="list-style-type: none"> <li>• Off</li> <li>• Auto</li> <li>• Side by side</li> <li>• Top bottom,</li> <li>• Game</li> </ul>

## Examples

```
Set the 3D mode to game:
SET3DMODE game

Result:
#*set3DMode() set to game
or
#*Incorrect 3D mode parameter entered
```

# SET4KBROWSER

Enables or disables the Force 4K Browser feature.

## Commands

Command	Description	Values
SET4KBROWSER n	Enables or disables the Force 4K Browser feature.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> <li>• Or any other string for default state</li> </ul>

## Examples

```
Enable te Force 4K browser feature:
SET4KBROWSER 1

Result:
#*Forced 4K browser is enabled
```

```
Disable te Force 4K browser feature:
SET4KBROWSER 0

Result:
#*Forced 4K browser is disabled
```

# SETALLVIDEOWALL

Sets all video wall parameters.

## Commands

Command	Description	Values
SETALLVIDEOWALL <parameters>	Sets all video wall parameters.	Parameters = picture_mode-contrast-brightness-sharpness- color-powesave_mode-backlight_mode-colortemp-zoom_mode-hdmi_trueblack-picture_hue-volume-headphone_volume

## Examples

```
Set the video wall parameters:
SETALLVIDEOWALL XXX XXX ...

Result:
```

#\*... ("set to" for each parameter in order)

## SETAUTOLAUNCH

Sets the auto launch value.

### Commands

Command	Description	Values
SETAUTOLAUNCH	Sets the auto launch value.	<ul style="list-style-type: none"> <li>• CMS</li> <li>• Openbrowser</li> <li>• Disabled</li> <li>• Vsignlite (vsignlite only MB135VS)</li> </ul>

### Examples

```
Set the auto launch value to CMS:
SETAUTOLAUNCH CMS

Result:
#*Auto launch mode is set to *****
or
#*Auto launch mode is not set (invalid input)
```

## SETAVL

Turns AVL on or off.

### Commands

Command	Description	Values
SETAVL <0   1>	Turns AVL on or off.	<ul style="list-style-type: none"> <li>• 0 = Off</li> <li>• 1 = On</li> </ul>

### Examples

```
Turn off AVL:
SETAVL 0

Result:
#*set avl state to 0
```

## SETBACKLIGHT

Turns the backlight port on or off.

## Commands

Command	Description	Values
SETBACKLIGHT <0   1>	Turns the backlight port on or off.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Set the backlight PIN status to ON:

```
SETBACKLIGHT ON
```

Result:

```
##setBacklight port to ON
```

Set the backlight port to OFF:

```
SETBACKLIGHT OFF
```

Result:

```
##setBacklight port to OFF
```

# SETBACKLIGHTLEVEL

Sets the backlight level.

## Commands

Command	Description	Values
SETBACKLIGHTLEVEL <level>	Sets the backlight level.	0 to 100

## Examples

Set the backlight level to 50:

```
SETBACKLIGHTLEVEL 50
```

Result:

```
##Backlight level set to 50
```

or

```
##NACK
```

# SETBALANCE

Sets the audio balance.

## Commands

Command	Description	Values
SETBALANCE <value>	Sets the audio balance value.	-50 to 50

## Examples

Set the balance to -20:

```
SETBALANCE -20
```



```
Result:
#*set balance level to -20
or
#*Invalid balance level entered
```

## SETBASSGAIN

Sets the bass gain.

### Commands

Command	Description	Values
SETBASSGAIN <gain>	Sets the bass gain.	-6 to 6

### Examples

```
Set the bass gain to 3:
SETBALANCE -20

Result:
#*set bass gain to 3
or
#*Incorrect sound system parameter entered
```

## SETBRIGHTNESS

Sets the picture brightness.

### Commands

Command	Description	Values
SETBRIGHTNESS <value>	Sets the picture brightness.	0 to 100

### Examples

```
Set the picture brightness to 40:
SETBRIGHTNESS 40

Result:
#*Picture brightness value is set to 40
```

## SETBROWSERMEM

Sets the browser memory limit value in MBs.

### Commands

Command	Description	Values
---------	-------------	--------

SETBROWSERMEM <limit>	Sets the browser memory limit value in MBs.	Any number between 100-700 for 120DS, 0 = Default limit
-----------------------	---	--

**Examples**

```
Set the picture brightness to 200:
SETBROWSERMEM

Result:
#*Browser memory limit is set
```

# SETBROWSERORIENTATION

Sets the browser orientation.

**Commands**

Command	Description	Values
SETBROWSERORIENTATION n	Sets the browser orientation.	<ul style="list-style-type: none"> <li>Landscape—0 degree rotation</li> <li>Portrait—90 degree rotation</li> <li>Portrait2—270 degree rotation</li> </ul>

**Examples**

```
Set the browser orientation to landscape:
SETBROWSERORIENTATION landscape

Result:
#*ACK
or
#*NACK
```

# SETC2PROFILE

Saves the profile file name of C2 in Aurora side.

## Commands

Command	Description	Values
SETC2PROFILE <filename>	Saves the profile filename of C2 in Aurora side.	filename = string (length_of_the_profile_name/profile_name/END)

## Examples

```
Save the profile filename:
SETC2PROFILE XXX

Result:
**FAILURE, lacking parameter!
**FAILURE, parameter exceeds the limit!
**FAILURE, profile string is too long!
**FAILURE, profile string length is not matching!
**FAILURE, 'END' string could not be captured correctly!
**FAILURE, no parameter after '/' character!
**FAILURE, all parameters are not processed
**SUCCESS
```

# SETCELL

Sets the cell.

## Commands

Command	Description	Values
SETCELL <cell>	Sets the cell.	0 to 100

## Examples

```
Set the cell to 40:
SETCELL 40

Result:
#*set cell to 40
```

# set\_channel\_lock

Locks or unlocks the specified channel.

## Commands

Command	Description	Values
set_channel_lock <channel> n	Locks or unlocks the specified channel.	channel = (index of channel in full list) n = True/false

## Examples

```
Lock or unlock channel 3:
```

```
Set_channel_lock 3 true/false

Result:
#*Channel number to lock: 33, Lock State: true
#*==> Current service is: 27, Manipulated service is: 27, they are : SAME
#*The lock_state length looks alright: 4
#*The service is not locked.
#*Locking the service.
or
#*Channel number to lock: 33, Lock State: false
#*==> Current service is: 27, Manipulated service is: 27, they are : SAME
#*The lock_state length looks alright: 5
#*The service is already locked.
#*Unlocking the service.
```

## SETCMSPARAMS

Sets the CMS parameters

### Commands

Command	Description	Values
SETCMSPARAMS <parameter>	Sets the CMS parameters	parameter = String with a maximum length of 255 characters

### Examples

```
Set the CMS parameters:
SETCMSPARAMS XXX

Result:
#*CMS params set to XXX
or
#*NACK
```

## SETCMSSTATUS

Sets the CMS status

### Commands

Command	Description	Values
SETCMSSTATUS <status>	Sets the CMS status	status = string with a maximum length of 255 characters

### Examples

```
Set the CMS status:
SETCMSSTATUS XXX

Result:
#*CMS status set to XXX
or
#*NACK
```

# SETCOLOUR

Sets the picture color.

## Commands

Command	Description	Values
SETCOLOUR <value>	Sets the picture color.	0 to 100

## Examples

Set the picture color to 43:  
**SETCOLOUR 43**

Result:

**##Picture colour value is set to 43**

# SETCOLOURSHIFT

Sets the color shift.

## Commands

Command	Description	Values
SETCOLOURSHIFT <shift>	Sets the color shift.	-50 to 50

## Examples

Set the color shift to 20:  
**SETCOLOURSHFIT 20**

Result:

**##Colour shift is set to 20**

or

**## Same value is set. Do nothing.**

or

**##Incorrect parameter entered ! Value must between defined ranges**

# SETCOLUMNCOUNT

Sets the column count.

## Commands

Command	Description	Values
SETCOLUMNCOUNT <count>	Sets the column count.	0 to 100

## Examples

Set the column count to 70:  
**SETCOLUMNCOUNT 70**

Result:  
`##*set column count to n`

## SETCONTRAST

Sets the picture contrast.

### Commands

Command	Description	Values
SETCONTRAST <contrast>	Sets the picture contrast.	0 to 100

### Examples

Set the picture contrast to 25:  
`SETCONTRAST 25`  
 Result:  
`##*Picture contrast value is set to 25`

## SETCOUNTRY

Changes the country setting.

### Commands

Command	Description	Values
SETCOUNTRY <country>	Changes the country.	Valid country name

### Examples

Change the country to Germany:  
`SETCOUNTRY Germany`  
 Result:  
`##* setCountry() set to Germany`

## SETCURSORPOSITION

Sets the cursor position in the browser.

### Commands

Command	Description	Values
SETCURSORPOSITION <position>	Sets the cursor position in the browser.	position = string-integer a,b

## Examples

Set the cursor position in the browser:

```
SETCURSORPOSITION 20 40
```

Result:

```
##*X: a 20: 40
```

# SETCUSTOMERNAME

Changes or sets the customer name

## Commands

Command	Description	Values
SETCUSTOMERNAME <name>	Changes or sets the customer name	name = String specifying the customer name

## Examples

Change the customer name to TOSHIBA:

```
SETCUSTOMERNAME TOSHIBA
```

Result:

```
##*Customer name is set as TOSHIBA
```

# SETDAPAVL

Sets the DAP (Dolby Audio Processing) AVL state.

## Commands

Command	Description	Values
SETDAPAVL <state>	Set the DAP (Dolby Audio Processing) AVL state.	<ul style="list-style-type: none"> <li>• 0 = Off</li> <li>• 1 = Normal</li> <li>• 2 = Night</li> <li>• 3 = Auto</li> </ul>

## Examples

Set the DAP AVL state to Normal:

```
SETDAPAVL 1
```

Result:

```
##*DAP AVL is not changed due to DAP (Dolby Audio Processing Availability) is inactive
```

or

```
##*DAP AVL is not changed due to DAP (Dolby Audio Processing Availability) Mode is off
```

or

```
##*Set DAP (Dolby Audio Processing) state to 1
```

or

```
Invalid parameter (0-1-2-3)
```

# SETDEFAULTGATEWAY

Sets the default gateway.

## Commands

Command	Description	Values
SETDEFAULTGATEWAY <gateway>	Sets the default gateway for the network connection.	gateway = xxx.xxx.xxx.xxx

## Examples

Set the default gateway to 10.1.1.3:

```
SETDEFAULTGATEWAY 10.1.1.3 1
```

Result:

```
##*set default gateway: 10.1.1.3
```

# SETDIGITALOUT

Sets the digital out to compressed or PCM.



## Commands

Command	Description	Values
SETDIGITALOUT <mode>	Sets the digital out.	<ul style="list-style-type: none"> <li>Compressed</li> <li>PCM</li> </ul>

## Examples

```
Set the digital out to PCM:
SETDIGITALOUT PCM

Result:
##setDigitalOut() set to PCM
```

# SETDNS1

Sets the DNS server 1.

## Commands

Command	Description	Values
SETDNS1 <server>	Set the DNS server 1.	server = nnn.nnn.nnn.nnn

## Examples

```
Set the DNS server 1 to nnn.nnn.nnn.nnn:
SETDNS1 nnn.nnn.nnn.nnn

Result:
##set DNS server 1 to: nnn.nnn.nnn.nnn
or
##setting DNS server 1 failed
```

# SETDNS2

Sets the DNS server 2.

## Commands

Command	Description	Values
SETDNS2 <server>	Sets the DNS server 2.	server = nnn.nnn.nnn.nnn

## Examples

```
Set the DNS server 2 to nnn.nnn.nnn.nnn:
SETDNS1 nnn.nnn.nnn.nnn

Result:
##set DNS server 2 to: nnn.nnn.nnn.nnn
```

or  
`**setting DNS server 2 failed`

## SETDNSCONFIGURATION

Sets the DNS configuration.

### Commands

Command	Description	Values
SETDNSCONFIGURATION <mode>	Sets the DNS configuration mode.	<ul style="list-style-type: none"> <li>• Auto</li> <li>• Manual</li> </ul>

### Examples

Set the DNS configuration:  
`SETDNSCONFIGURATION Auto`

Result:  
`**set DNS configuration to: Auto`  
 or  
`**setting DNS configuration is failed`

## SETDYNAMICBASS

Turns the dynamic base on or off.

### Commands

Command	Description	Values
SETDYNAMICBASS	Turns the dynamic base on or off.	<ul style="list-style-type: none"> <li>• 0 = Off</li> <li>• 1 = On</li> </ul>

### Examples

Turn on the dynamic bass:  
`SETDYNAMICBASS 1`

Result:  
`**set dynamic bass state to 1`  
 or  
`**setting DNS configuration is failed`

## SETDYNAMICCONTRAST

Sets the dynamic contrast.

### Commands

Command	Description	Values
---------	-------------	--------

SETDYNAMICCONTRAST <contrast>	Sets the dynamic contrast.	<ul style="list-style-type: none"> <li>• OFF</li> <li>• LOW</li> <li>• MEDIUM</li> <li>• HIGH</li> </ul>
-------------------------------	----------------------------	--

**Examples**

Turn on the dynamic contrast to medium:  
`SETDYNAMICCONTRAST medium`  
 Result:  
`#*Dynamic contrast set to medium`  
 or  
`#*Missing dynamic contrast state`

**SETEQMODE**

Sets the equalizer mode.

**Commands**

Command	Description	Values
SETEQMODE <mode>	Sets the equalizer mode.	<ul style="list-style-type: none"> <li>• Music</li> <li>• Movie</li> <li>• Speech</li> <li>• Flat</li> <li>• Classic</li> <li>• User</li> </ul>

**Examples**

Turn on the equalizer mode to Movie:  
`SETEQMODE Movie`  
 Result:  
`#*setEQMode() set to Movie`

**SETEQUSERFREQ**

Sets the equalizer setting for any band.

**Commands**

Command	Description	Values
---------	-------------	--------

SETEQUUSERFREQ <band> <equalizer setting>	Sets the equalizer setting for one of the following bands: <ul style="list-style-type: none"> <li>• 120Hz</li> <li>• 500Hz</li> <li>• 1.5KHz</li> <li>• 5KHz</li> <li>• 10KHz</li> </ul>	-12 to 12
---	--	-----------

**Examples**

<p>Set the equalizer setting to 10 for the 120Hz band:  SETEQUUSERFREQ 120Hz 10</p> <p>Result:  #*setEQUserFreq(120Hz) set to 10</p> <p>or</p> <p>#*Incorrect sound system parameter entered</p> <p>or</p> <p>#*Incorrect equalizer mode. It should be USER mode</p>
--

**SETFILMMODE**

Sets the film mode.

**Commands**

Command	Description	Values
SETFILMMODE <mode>	Sets the film mode.	<ul style="list-style-type: none"> <li>• OFF</li> <li>• AUTO</li> </ul>

**Examples**

<p>Set the Film mode to AUTO:  SETFILMMODE Auto</p> <p>Result:  #*FilmMode set to AUTO</p> <p>or</p> <p>#*Missing film mode state</p>
---

**SETFIXEDPICTUREMODE**

Sets the Picture mode availability.

**Commands**

Command	Description	Values
SETFIXEDPICTUREMODE	Sets the Picture mode availability.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

```
Set the Picture mode availability to ON:
SETFIXEDPICTUREMODE ON

Result:
##set fixed picture mode to ON
```

# SETFRONTPANELCLOCK

Sets the front panel clock time.

## Commands

Command	Description	Values
SETFRONTPANELCLOCK <time>	Sets the front panel clock time.	time = 10:00, 14:00, ...

## Examples

```
Set the front panel clock time to 14:00:
SETFRONTPANELCLOCK 14:00

Result:
##Time is set succesfully.
or
##Given time parameter is wrong! Time is not set.!(Param : 10:00 , 12:30 , ...)
```

# SETFTIPIN

Sets the FTI PIN number.

## Commands

Command	Description	Values
SETFTIPIN <number>	Sets the FTI PIN number.	number = a four digit number

## Examples

```
Set the FIT PIN to 1234:
SETFITPIN 1234

Result:
##FTI PIN was set to 1234
or
##PIN can not be set to 1234
```

# SETGPURASTER

Forces the browser GPU raster state.

## Commands

Command	Description	Values
SETGPURASTER <state>	Forces the browser GPU raster state.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> <li>• Any other string for default state</li> </ul>

## Examples

Set the broser GPU browser state to OFF:

```
SETGPURASTER OFF
```

Result:

```
##*GPU Raster state is set
```

# SETHDMITRUEBLACK

Sets the HDMI true black status.

## Commands

Command	Description	Values
SETHDMITRUEBLACK <status>	Sets the HDMI true black status.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Set the HDMI true black status to ON:

```
SETHDMITRUEBLACK ON
```

Result:

```
##*HDMITrueBlack set to ON
```

Set the HDMI true black status to OFF:

```
SETHDMITRUEBLACK OFF
```

Result:

```
##*HDMITrueBlack set to OFF
```

# SETHEADPHONEOUTPUT

Sets the headphone output.

## Commands

Command	Description	Values
SETHEADPHONEOUTPUT <output>	Sets the headphone output.	<ul style="list-style-type: none"> <li>• Headphone</li> <li>• Lineout</li> </ul>

## Examples

Set the headphone output to lineout:

```
SETHEADPHONEOUTPUT lineout
```

Result:

```
##*set headphone output to lineout
```

# SETHOSTNAME

Creates the `/conf/ip_tuner/hostname.txt` file, if it does not exist, and pastes the string into that file.

## Commands

Command	Description	Values
SETHOSTNAME <hostname>	Creates the <code>/conf/ip_tuner/hostname.txt</code> file, if it does not exist, and pastes the string into that file.	Hostname = Valid hostname

## Examples

Add the hostname to the `/conf/ip_tuner/hostname.txt` file:

```
SETHOSTNAME HOSTNAME
```

Result:

```
##*SUCCESS Hostname ABC is written into the file
```

or

```
##*FAILURE Hostname can not be set
```

# set\_IP\_address

Sets the static IP address of the ETH0 network interface.

## Commands

Command	Description	Values
set_IP_address <IP address>	Sets the static IP address of the ETH0 network interface.	IP address = XXX.XXX.X.XX

## Examples

Set the static IP address of the ETH0 network interface to 198.168.0.15:

```
set_IP_address 198.168.0.15
```

Result:

```
##*IP address setting Successful
```

# SETMAXSHUTDOWNTEMP

Sets the maximum shutdown temperature

## Commands

Command	Description	Values
SETMAXSHUTDOWNTEMP <temp>	Sets the maximum shutdown temperature	temp = Valid maximum temperature

## Examples

Set the maximum shutdown temperature to 35°C:

```
SETMAXSHUTDOWNTEMP 35
```

Result:

```
##System Shutdown Temperature set to 35°C
```

or

```
##System Shutdown Temperature should be between 0°C and 30°C
```

or

```
##"Temperature Settings are not available!!!
```

# SETMAXVOLUME

Sets the volume maximum level for the Hotel mode.



The input must be greater than minimum volume.

## Commands

Command	Description	Values
SETMAXVOLUME	Sets the volume maximum level for the Hotel mode.	0 to 100

## Examples

Set the maximum volume level to 60:

```
SETMAXVOLUME 60
```

Result:

```
##ACK
```

or

```
##NACK
```

# SETMBSUBFONTSIZE

Sets the subtitle font size.

## Commands

Command	Description	Values
SETMBSUBFONTSIZE <size>	Sets the subtitle font size.	<ul style="list-style-type: none"> <li>• 62</li> <li>• 68</li> <li>• 75</li> <li>• 81</li> </ul>



		• 89
--	--	------

## Examples

Set the subtitle font size to 75:

```
SETMBSUBTFONTSIZE 75
```

Result:

```
##The media browser subtitle font size is set to 75
```

## SETMBSUBTLANG

Sets the subtitle language.

## Commands

Command	Description	Values
SETMBSUBTLANG	Sets the subtitle language.	<ul style="list-style-type: none"> <li>• Albanian</li> <li>• Arabic</li> <li>• Belarussian</li> <li>• Bulgarian</li> <li>• Catalan</li> <li>• Croatian</li> <li>• Czech</li> <li>• Danish</li> <li>• Dutch</li> <li>• English</li> <li>• Estonian</li> <li>• Finnish</li> <li>• Flemish</li> <li>• French</li> <li>• Gaelic</li> <li>• German</li> <li>• Greek</li> <li>• Hebrew</li> <li>• Hungarian</li> <li>• Icelandic</li> <li>• Italian</li> <li>• Kazakh</li> <li>• Latvian</li> <li>• Lithuanian</li> <li>• Macedonian</li> <li>• Montenegrin</li> <li>• Norwegian</li> <li>• Persian</li> <li>• Polish</li> <li>• Portuguese</li> <li>• Romanian</li> <li>• Russian</li> <li>• Serbian</li> <li>• Slovak</li> <li>• Slovenian</li> <li>• Spanish</li> <li>• Swedish</li> <li>• Thai</li> <li>• Turkish</li> <li>• Ukranian</li> <li>• Welsh</li> </ul>

## Examples

Set the subtitle language to Polish:

```
SETMBSUBTLANG Polish
```

Result:

```
##*Subtitle is set to Polish
```

# SETMBSUBTPOS

Sets the subtitle position.

## Commands

Command	Description	Values
SETMBSUBTPOS <position>	Sets the subtitle position.	Up Down

## Examples

Set the subtitle position at the bottom of the image:

```
SETMBSUBTPOS down
```

Result:

```
##*The subtitle position is set to down
```

# SETMINVOLUME

Sets the volume minimum level.



Input must be less than maximum volume.

## Commands

Command	Description	Values
SETMINVOLUME n	Sets the volume minimum level.	0 to 100

## Examples

Set the minimum volume level:

```
SETMINVOLUME 15
```

Result:

```
##*ACK
```

or

```
##*NACK
```

# SETMODE\_EMBEDDEDTOUCH

Sets the embedded touch mode.

## Commands

Command	Description	Values
SETMODE_EMBEDDEDTOUCH <mode> <slot>	Sets the embedded touch mode.	mode = External, Display, Android, OPS

## Examples

Set the embedded touch mode to external in slot 1:

```
SETMODE_EMBEDDEDTOUCH external 1
```

Result:

```
##*Embedded touch mode is set to external
```

or

```
##*Embedded touch mode is not set (invalid input)
```

# SETMODELNO

Sets the model number.

## Commands

Command	Description	Values
SETMODELNO <number>	Sets the model number.	number = Valid string integer

## Examples

Set the model number to 1234:

```
SETMODELNO 1234
```

Result:  
 #\*ACK  
 or  
 #\*NACK

## SETMODE\_MIC

Sets the DSP(Mic) and front USB status value.

### Commands

Command	Description	Values
SETMODE_MIC <mode>	Sets the DSP(Mic) and front USB status value.	<ul style="list-style-type: none"> <li>• Auto</li> <li>• Display</li> <li>• Android</li> <li>• OPS</li> </ul>

### Examples

Set the DSP and front USB status value to display:  
 SETMODE\_MIC display  
 Result:  
 #\*Mic Mode is set to display  
 or  
 #\*Mic Mode is not set (invalid input)

## SETMODE\_WIFIBT

Sets the Wifi & BT switch value.

### Commands

Command	Description	Values
SETMODE_WIFIBT <value>	Sets the Wifi & BT switch value.	<ul style="list-style-type: none"> <li>• Auto</li> <li>• Display</li> <li>• Android</li> </ul>

### Examples

Set the WiFi & BT switch value to auto:  
 SETMODE\_WIFIBT auto  
 Result:  
 #\*WiFi & BT Switch Mode is set to auto  
 or  
 #\*WiFi & BT Switch Mode is not set (invalid input)

# SETMUTE

Enables or disables mute.

## Commands

Command	Description	Values
SETMUTE	Enables or disables mute. If mute is currently enabled, it is disabled.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Disable the mute (volume currently enabled):

```
SETMUTE
```

Result:

```
Result: #*MUTE OFF
```

# SETNETWORKTYPE

Sets the type of network.

## Commands

Command	Description	Values
SETNETWORKTYPE <type>	Set the type of network.	<ul style="list-style-type: none"> <li>• Wired</li> <li>• Wireless</li> <li>• Disabled</li> </ul>

## Examples

```
Set the type of network to wired:
SETNETWORKTYPE wired

Result:
#*Network type is set to: wired
```

# SETNOISEREDUCTION

Set noise reduction.

## Commands

Command	Description	Values
SETNOISEREDUCTION <state>	Set noise reduction.	<ul style="list-style-type: none"> <li>• OFF</li> <li>• LOW</li> <li>• MEDIUM</li> <li>• HIGH</li> </ul>

## Examples

```
Set the noise reduction to medium:
SETNOISEREDUCTION medium

Result:
#*NoiseReduction set to medium
or
#*Missing noise reduction state
```

# SETOFFSET

Sets the offset.

## Commands

Command	Description	Values
SETOFFSET	Sets the offset, in pixels which are cropped from all four sides of the image.	0 to 100

## Examples

```
Set the offset to 15 pixels:
SETOFFSET 15

Result:
#*set offset to 15
```

# SETOPSALWAYSON

Sets the OPS Always on value.

## Commands

Command	Description	Values
SETOPSALWAYSON <value>	Sets the OPS Always on value.	<ul style="list-style-type: none"> <li>• True</li> <li>• False</li> </ul>

## Examples

Set OPS Always to true:

```
SETOPSALWAYSON true
```

Result:

```
##invalid value entered
```

or

```
##OPS Always on set as true
```

Set OPS Always to false:

```
SETOPSALWAYSON false
```

Result:

```
##invalid value entered
```

or

```
##OPS Always on set as false
```

# SETOPSPower

Turns the OPS power on and off.

## Commands

Command	Description	Values
SETOPSPower	Turns the OPS power on and off.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Turn on the OPS power:

```
SETOPSPower on
```

Result:

```
##Turning OPS on
```

# SETOSDORIENTATION

Sets the on-screen display (OSD) orientation

## Commands

Command	Description	Values
---------	-------------	--------

SETOSDORIENTATION <orientation>	Sets the on-screen display (OSD) orientation.	<ul style="list-style-type: none"> <li>• Landscape—0 degree rotation</li> <li>• Portrait—90 degree rotation</li> <li>• Portrait2—270 degree rotation</li> </ul>
---------------------------------	---	---

### Examples

Set the on-screen display orientation to portrait:

```
SETOSDORIENTATION portrait
```

Result:

```
##*ACK
```

or

```
##*NACK
```

## SETOWB

Sets the on-screen display (OSD) white balance value.

### Commands

Command	Description	Values
SETOWB <type> <value>	Sets the on-screen display (OSD) white balance value.	<ul style="list-style-type: none"> <li>• type = redgain, greengain, bluegain, brightness</li> <li>• value = to to 250</li> </ul>

### Examples

Set the on-screen display white balance to redgain and 250:

```
SETOWB redgain 250
```

Result:

```
##*OSD White Balance is set to value
```

or

```
Invalid value for OSD White Balance (0 to 255)
```

or

```
Invalid type for White Balance OSD
```

## SETPANELLOCK

Enables or disables the Panel Lock availability.

### Commands

Command	Description	Values
SETPANELLOCK <value>	Enables or disables the Panel Lock availability.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

### Examples

Enalbe the Panel Lock availability:



```
SETPANELOCK on
Result:
#*set panel lock to on
or
#*NACK
```

## SETPIXELSHIFT

Enables or disables the pixel shift.

### Commands

Command	Description	Values
SETPIXELSHIFT <value>	Enables or disables the pixel.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

### Examples

```
Enable the pixel shift:
SETPIXELSHIFT on
Result:
#*ACK
or
#*NACK
```

## SETPOWERONDELAY

Sets how long the display waits before powering on.

### Commands

Command	Description	Values
SETPOWERONDELAY <delay>	Sets how long the display waits before powering on. The delay is calculated as (100ms * <delay>).	0 to 20

### Examples

```
Set the power on delay to 12:
SETPOWERONDELAY 12
Result:
Power on delay set to 1200 Ms.
```

## SETPROXY

Sets the proxy configuration.

## Commands

Command	Description	Values
SETPROXY <string>	Sets the proxy configuration, where the last three nnn indicate the port.	string = nnn.nnn.nnn.nnn:nnnn

## Examples

```
Set the proxy configuration:
SETPROXY nnn.nnn.nnn.nnn:nnn

Result:
#*addr = nnn.nnn.nnn.nnn, port = nnnn
```

# SETQUICKSTANDBY

Turn Quick Standby on or off.

In the on-screen display (OSD), enable System > Settings > More > Quick Standby for this command to function.

## Commands

Command	Description	Values
SETQUICKSTANDBY <value>	Turns Quick Standby on or off.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

```
Turn off the Quick Standby:
SETQUICKSTANDBY off

Result:
#*Set Quick Standby off
```

# SETQUICKSTANDBYOPTION

Enables or disables the Quick Standby option.

## Commands

Command	Description	Values
SETQUICKSTANDBYOPTION	Enables or disables the Quick Standby option.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

```
Enable the Quick Standby option:
SETQUICKSTANDBYOPTION on

Result:
#*Set Quick Standby option ON
or
```

```

**Quick Standby option is ON or OFF
or
**Quick Standby Control is not enabled
    
```

## SETRC

Enables or disables the remote control.

### Commands

Command	Description	Values
SETRC <value>	Enables or disables the remote control commands.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

### Examples

```

Disable the remote control:
SETRC OFF

Result:
**set remote state OFF
    
```

## SETRCU

Enables or disables RCU Inhibit.

### Commands

Command	Description	Values
SETRCU	Enables or disables RCU Inhibit.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

### Examples

```

Enable RCU Inhibit:
SETRCU ON

Result:
**set RCU inhibit ON
OR
**Missing RCU Inhibit selection
OR
**wrong string parameter for RCU Inhibit
    
```

## SETROWCOUNT

Sets the row count.

## Commands

Command	Description	Values
SETRWCOUNT	Sets the row count.	0 to 100

## Examples

Set the row count to 40:

```
SETRWCOUNT 40
```

Result:

```
##*set row count to 40
```

# SETRTCDATE

Sets or queries the RTC date.

## Commands

Command	Description	Values
SETRTCDATE	Sets or queries the RTC date.	DD:MM:YYYY  where: <ul style="list-style-type: none"> <li>• DD = 0 to the number of days in the month</li> <li>• MM = 0 to 12</li> <li>• YYYY = Year</li> </ul>

## Examples

Set the RTC date to December 20, 2021:

```
SETRTCDATE 20:12:2021
```

Result:

```
##*RTC Date is set to SETRTCDATE 20:12:2021
```

or

```
##*Wrong argument format use SETRTCDATE DD:MM:YYYY
```

or

```
##*Invalid month
```

or

```
##*Invalid day
```

## SETSCHEDULEOP

Sets the schedule for the display panel.

## Commands

Command	Description	Values
SETSCHEDULEOP <preset>_<on-enabled>_<on_time>_<off-enabled>_<off_time>_<-day of the week>_<source>	Sets the schedule for the display panel.	<p>preset = 1, 2, 3, or 4</p> <p>on-enabled and off-enabled:</p> <ul style="list-style-type: none"> <li>• 0 = Disabled</li> <li>• 1 = Enabled</li> </ul> <p>on_time and off_time are formatted as hh:mm.</p> <p>day of the week = each digit in the sequence is one day of the week, starting with Sunday.</p> <ul style="list-style-type: none"> <li>• 0 = Schedule does not apply</li> <li>• 1 = Schedule applies</li> </ul> <p>source:</p> <ul style="list-style-type: none"> <li>• LastSource</li> <li>• USB</li> <li>• DP</li> <li>• OPS</li> <li>• DVI</li> <li>• HDMI</li> <li>• YPBPR</li> <li>• VGA/PC</li> </ul>

## Examples

<p>Set the preset 4 to turn on at 6:30am and off at 11:30pm on Monday, Wednesday, and Friday, for VGA/PC:</p> <pre>SETSCHEDULEOP 4_1_06:30_1_23:30_0101010_VGA/PC</pre> <p>Result:</p> <pre>##Schedule parameters are set</pre>
<p>Set the preset 2 to turn on at 8:00am and off at 6:00pm on Monday to Friday, for USB:</p> <pre>SETSCHEDULEOP 2_1_08:00_1_18:00_0111110_USB</pre> <p>Result:</p> <pre>##Schedule parameters are set</pre>

# SETSCHEDULER

Enables or disables the scheduler for the specified preset.

## Commands

Command	Description	Values
SETSCHEDULER<preset> <ON   OFF>	Enables or disables the scheduler for the specified preset.	preset = 1, 2, 3, 4

## Examples

```
Enable the scheduler for preset 1:
SETSCHEDULER 1 ON

Result:
#*The scheduler for preset 1 is set to ON
```

# SETSERIALNO

Sets the serial number.

## Commands

Command	Description	Values
SETSERIALNO <serial number>	Sets the serial number.	serial number = Valid serial number

## Examples

```
Set the serial number to 1234:
SETSERIALNO 1234

Result:
#*ACK
or
#*NACK
```

# SETSETTINGSURL

Sets the browser settings URL. The URL set by this command is opened with long press on CMS key.

## Commands

Command	Description	Values
SETSETTINGSURL	Sets the browser settings URL. The URL set by this command is opened with long press on CMS key.	string

## Examples

Set the browser settings URL:  
**SETSETTINGURL URL**  
 Result:  
 #\*Setting URL is set

# SETSHARPNESS

Sets the picture sharpness.

## Commands

Command	Description	Values
SETSHARPNESS <value>	Sets the picture sharpness.	0 to 100

## Examples

Set the picture sharpness to 27:  
**SETSHARPNESS 27**  
 Result:  
 #\*Picture sharpness value is set to 27

# SETSIGNAGEID

Sets the signage ID.

## Commands

Command	Description	Values
SETSIGNAGEID <signage ID>	Sets the signage ID.	1 to 100

## Examples

Set the signage ID to 32:  
**SETSIGNAGEID 32**  
 Result:  
 #\*ACK  
 or  
 #\*NACK

# SETSKINTONE

Sets the picture skin tone value.



## Commands

Command	Description	Values
SETSKINTONE	Sets the picture skin tone value.	-5 to 5

## Examples

```
Set the picture skin tone to -2:
SETSKINTONE -2

Result:
#*Picture skin tone value is set to -2
or
#*Same value is set. Do nothing.
or
#*Incorrect parameter entered! Value must be in the range -5-5
```

# SETSLIDESHOWINTERVAL

Sets the slide show interval, in seconds.

## Commands

Command	Description	Values
SETSLIDESHOWINTERVAL <seconds>	Sets the slide show interval, in seconds.	<ul style="list-style-type: none"> <li>• 5</li> <li>• 10</li> <li>• 15</li> <li>• 20</li> <li>• 25</li> <li>• 30</li> </ul>

## Examples

```
Set the slide show interval to 20 seconds:
SETSLIDESHOWINTERVAL 20

Result:
#*The slideshow interval is set to 20 seconds
```

# SETSOUNDSYSTEM

Sets the sound system.

## Commands

Command	Description	Values
SETSOUNDSYSTEM	Sets the sound system.	<ul style="list-style-type: none"> <li>• M</li> <li>• BG</li> <li>• I</li> <li>• DK</li> </ul>

		<ul style="list-style-type: none"> <li>• L</li> <li>• LP</li> </ul>
--	--	---

### Examples

```
Set the sound system to BG:
SETSOUNDSYSTEM BG

Result:
##setSoundSystem() to BG
or
##Incorrect sound system parameter entered
```

## SETSOURCE

Enables or disables sources.

### Commands

Command	Description	Values
SETSOURCE <source> <state>	Enables or disables sources.	Source: <ul style="list-style-type: none"> <li>• SCART1</li> <li>• SCART2</li> <li>• FAV</li> <li>• SVHS</li> <li>• HDMI1</li> <li>• HDMI2</li> <li>• HDMI3</li> <li>• HDMI4</li> <li>• YPBPR</li> <li>• VGA</li> <li>• SCART1S</li> <li>• SCART2S</li> </ul> State: <ul style="list-style-type: none"> <li>• 0 = Disable</li> <li>• 1 = Enable</li> </ul>

### Examples

```
Disable VGA:
SETSOURCE VGA 0

Result:
##Selected source VGA
or
##Enable/Disable state : Disable
```

## SETSTANDBYLED

Sets the Standby LED status.

## Commands

Command	Description	Values
SETSTANDBYLED	Sets the Standby LED status.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

<p>Set the LED status to OFF:</p> <pre>SETSTANDBYLED OFF</pre> <p>Result:</p> <pre>**Standby LED is set to OFF</pre> <p>or</p> <pre>**Standby LED is not set (invalid input)</pre>
<p>Set the LED status to ON:</p> <pre>SETSTANDBYLED ON</pre> <p>Result:</p> <pre>**Standby LED is set to ON</pre> <p>or</p> <pre>**Standby LED is not set (invalid input)</pre>

# SETSTARTCHANNEL

Sets the startup channel which has been entered for Hotel mode.

## Commands

Command	Description	Values
SETSTARTCHANNEL <channel>	Sets the startup channel which has been entered for Hotel mode.	channel = Valid channel number

## Examples

<p>Set the startup channel to 5:</p> <pre>SETSTARTCHANNEL 5</pre> <p>Result:</p> <pre>**ACK</pre> <p>or</p> <pre>**NACK</pre>
---

# SETSTARTUPMODE

Sets the startup mode which has been entered for Hotel mode. It also works in Signage mode.

## Commands

Command	Description	Values
SETSTARTUPMODE <mode>	Sets the startup mode which has been entered for Hotel mode.	<ul style="list-style-type: none"> <li>• Standby</li> <li>• ON</li> </ul>

		<ul style="list-style-type: none"> <li>• LastStatus</li> </ul>
--	--	--

### Examples

Set the startup mode to Standby:  
`SETSTARTUPMODE Standby`  
 Result:  
 #\*ACK  
 or  
 #\*NACK

## SETSTARTUPSOURCE

Sets the startup source, which has been entered for Hotel mode. It also works in Signage mode.

### Commands

Command	Description	Values
SETSTARTUPSOURCE <position>	Sets startup source which has been entered for Hotel mode.	<ul style="list-style-type: none"> <li>• 0 = Auto startup position</li> <li>• 1 to 15 = Other positions</li> </ul>

### Examples

Set the startup source to position 15:  
`SETSTARTUPSOURCE 15`  
 Result:  
 #\*ACK  
 or  
 #\*NACK

Set the startup source to the auto startup position:  
`SETSTARTUPSOURCE 0`  
 Result:  
 #\*ACK  
 or  
 #\*NACK

## SETSTARTURL

Sets the start URL.

### Commands

Command	Description	Values
SETSTARTURL <URL>	Sets the start URL.	URL = Valid URL

### Examples

Set the start URL:  
`SETSTARTURL URL`

Result:  
 #\*Start URL is set

## SETSTARTVOLUME

Sets the startup volume for Hotel mode. It also works in Signage mode.

### Commands

Command	Description	Values
SETSTARTVOLUME	Sets startup volume for Hotel mode.	0 to 100

### Examples

Set the startup volume to 100:

```
SETSTARTVOLUME 100
```

Result:

```
#*ACK
or
#*NACK
```

## SETSUBNETMASK

Sets the subnet mask for the network connection.

### Commands

Command	Description	Values
SETSUBNETMASK <subnet mask>	Sets the subnet mask for the network connection.	Subnet mask = xxx.xxx.xxx.xxx

### Examples

Set the subnet mask to 255.255.255.0:

```
SETSUBNETMASK 255.255.255.0
```

Result:

```
#*set subnet mask: 255.255.255.0
```

## SETSURROUNDSOUND

Sets the surround sound state.

### Commands

Command	Description	Values
SETSURROUNDSOUND	Sets the surround sound state.	<ul style="list-style-type: none"> <li>• 0 = OFF</li> <li>• 1 = ON</li> </ul>

## Examples

Set the surround sound state to ON:

```
SETSURROUNDSOUND ON
```

Result:

```
##*set surround sound state to ON
```

# SETTIMEMODE

Sets the time mode.

## Commands

Command	Description	Values
SETTIMEMODE	Sets the time mode.	<ul style="list-style-type: none"> <li>• Auto</li> <li>• Manual</li> </ul>

## Examples

```
Set the time mode to Auto:
SETTIMEMODE Auto

Result:
#*set time mode to Auto
or
#*invalid input type
or
#*can not set time mode
```

# SETTOUCHCONTROL

Turns the touch control on or off.

## Commands

Command	Description	Values
SETTOUCHCONTROL	Turns the touch control on or off.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

```
Set the touch control to ON:
SETTOUCHCONTROL ON

Result:
#*Set Touch Control on
or
#*Touch Control is already on
or
#*Touch Device is not available
or
#*invalid value entered
```

```
Set the touch control to OFF:
SETTOUCHCONTROL OFF

Result:
#*Set Touch Control off
or
#*Touch Control is already off
or
#*Touch Device is not available
or
#*invalid value entered
```

# SETURL

Loads the portal with the given URL as the start page. Returns the web page load status using the portal.

## Commands

Command	Description	Values
SETURL <url>	Loads the portal with the given URL as the start page. Returns the web page load status using the portal.	URL = Valid URL

## Examples

Load the portal with the XXX URL:

```
SETURL XXX
```

Result:

```
##*status= XXX url=n inject_url=XXX
```

# SETUSBAUTOPLAY

Turns the USB autoplay on or off.

## Commands

Command	Description	Values
SETUSBAUTOPLAY <value>	Turns the USB autoplay on or off.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Turn on the USB autoplay:

```
SETUSBAUTOPLAY ON
```

Result:

```
##*The USB autoplay is set to ON
```

# SETUSBOPTION

Sets the USB option.

## Commands

Command	Description	Values
SETUSBOPTION	Sets the USB option.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> <li>• 5V</li> </ul>

## Examples

Set the USB option to 5V:

```
SETUSBOPTION 5V
```

Result:

```
##*Set USB Option to 5V
```

or



#\*NACK

## SETUSERSECLEVEL

Sets the user security level.

### Commands

Command	Description	Values
SETUSERSECLEVEL <level> <password>	Sets the user security level.	<ul style="list-style-type: none"> <li>level = NORMAL or ADMIN</li> <li>password = Request the password from your supplier</li> </ul>

### Examples

Set the user security level to Admin where the password is 1234:

```
SETUSERSECLEVEL Admin 1234
```

Result:

```
#*User security level was set to Admin
```

## SETVIDEOCROP

Crops the input video with the given parameters and shows the full screen.

### Commands

Command	Description	Values
SETVIDEOCROP X Y W H	<p>Crops the input video with the given parameters and shows the full screen.</p> <p>The video wall must be disabled or cell number must be zero to activate this feature.</p> <p>Set the width or height as 0 to disable the crop.</p>	<ul style="list-style-type: none"> <li>X = the X position</li> <li>Y = the Y position</li> <li>W = Width</li> <li>H = Height</li> </ul>

## Examples

Crop the input video at position 1:1 with a width and height of 5:

```
SETVIDEOCROP 1 1 5 5
```

Result:

```
##*set x position to 1, set y position to 1, set width to 5, set height to 5
```

# SETVIDEOWALL

Sets the video wall parameters.

## Commands

Command	Description	Values
SETVIDEOWALL	Sets the video wall parameters.	parameters for items in following format: RowCount-ColumnCount-Cell-Offset

## Examples

Set the video wall parameters for the row and column count, cell, and offset:

```
SETVIDEOWALL 10 10 1 2
```

Result:

```
##*set row count to 10, set column count to 10, set cell to 1, set offset to 2
```

# SETVIDEOWALLENABLED

Enables or disables the video wall.

## Commands

Command	Description	Values
SETVIDEOWALLENABLED	Enables or disables the video wall.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Examples

Enable the video wall:

```
SETVIDEOWALLENABLED ON
```

Result:

```
##*Video wall is set to ON
```

or

```
##*Video wall is disabled in profile
```

or

```
##*Video wall is not set (invalid input)
```

Disable the video wall:

```
SETVIDEOWALLENABLED OFF
```

Result:

```
##*Video wall is set to OFF
```

```
Or
#*Video wall is disabled in profile
Or
#*Video wall is not set (invalid input)
```

## SETVIEWSTYLE

Determines whether the Media Browser displays content in a flat list or in folders.

### Commands

Command	Description	Values
SETVIEWSTYLE <view>	Determines whether the Media Browser displays content in a flat list or in folders.	<ul style="list-style-type: none"> <li>Flat</li> <li>Folder</li> </ul>

### Examples

```
Display the Media Browser content in folders:
SETVIEWSTYLE Folder

Result:
#*The view style is set to folder
```

## SETVIRTUAL3D

Sets the virtual 3D values.

### Commands

Command	Description	Values
SETVIRTUAL3D	Sets the virtual 3D values.	<ul style="list-style-type: none"> <li>0 = Off</li> <li>1 = Low</li> <li>2 = Medium</li> <li>3 = High</li> </ul>

## Examples

Set the virtual 3D value to High:  
`SETVIRTUAL3D High`

Result:  
`setVirtual3D() set to High`  
 or  
`Incorrect virtual 3D mode paramater entered`

# SETWB

Sets the white balance value.

## Commands

Command	Description	Values
SETWB <type> <value>	Sets the white balance value.	type = redgain, greengain, bluegain, redoffset, greenoffset, blueoffset value = 0 to 250

## Examples

Set the white balance value for greengain to 100:  
`SETWB greengain 100`

Result:  
`#*White Balance is set to value 100`  
 or  
`Invalid value for White Balance (0-255)`  
 or  
`Invalid type for White Balance`

# SETWIFIAPCHANNEL

Sets the channel of the WiFi access point.

## Commands

Command	Description	Values
SETWIFIAPCHANNEL <channel>	Sets the channel of the WiFi access point. Channel number must be valid for the current country. If an invalid channel number is given, all valid channel numbers are listed.	channel = Valid channel number

## Examples

Set the WiFi access point channel to 2:  
`SETWIFIAPCHANNEL 2`

Result:  
`#*Setting Wifi AP Channel (2) succeeded`  
 or

```

**Wifi AP Channel is already (2)
or
**Error! Invalid channel. Available channels for your country (<country name>) are: <all available channels separated with space>
    
```

## SETWIFIAPTXPOWER

Sets the TX Power for WiFi access point.

### Commands

Command	Description	Values
SETWIFIAPTXPOWER <power>	Sets the TX Power (in dBm) for WiFi access point.	Power = 0 to 20 0 (Default)

### Examples

```

Set the TX power to 20 for the WiFi access point:
SETWIFIAPTXPOWER 20

Result:
**Setting Wifi AP TX Power (20) is successful.
or
**Wifi AP TX Power is already set to (20)!
or
**Error setting Wifi Access Point TX Power (20)!
    
```

```

Set the TX power to 30 for the WiFi access point:
SETWIFIAPTXPOWER 30

Result:
**Error setting Wifi Access Point TX Power (30)! TX Power should be in the range of 0 - 20 dbm (0 for default value)
    
```

## SFTI

Sets te First Time Installation by taking and saving the system language and txt language text parameters and then reboots the system.

### Commands

Command	Description	Values
SFTI <system language> <txtlanguage>	Sets the First Time Installation by taking and saving system language and txt language text parameters and then reboots the system.	<ul style="list-style-type: none"> <li>system language = Valid system language</li> <li>txt language = Valid txt language</li> </ul>

### Examples

```

Set the First Time Installation to French German:
SFTI French German

Result:
#System reinitialised !!!
    
```

## SFTP

Sets the FTP properties.

### Commands

Command	Description	Values
SFTP <IP address> <user> <password>	Sets the FTP properties.	<ul style="list-style-type: none"> <li>IP address = Valid IP address in the format XX.X.X.XXX</li> <li>user = Valid user name</li> <li>password = Valid password</li> </ul>

### Examples

Set the FTP properties to 10.0.0.251 with the user USR and the password 1234:

```
SFTP 10.0.0.251 USR-1234
```

Result:

```
#Set FTP Props operation SUCCEEDED
```

## SHM

Sets the Hotel mode.

### Commands

Command	Description	Values
SHM <1   2>	Sets the Hotel mode.	1 = Enables Hotel mode 2 = Disables Hotel mode

### Examples

Enable the Hotel mode:

```
SHM 1
```

Result:

```
#Hotel mode is enabled
```

Disable the Hotel mode:

```
SHM 2
```

Result:

```
#Hotel mode is disabled
```

## SHOWBUILDOPTIONS

Displays the build options.

### Commands

Command	Description	Values
SHOWBUILDOPTIONS	Displays the build options.	-

## Examples

Display the build options:  
 SHOWBUILDOPTIONS

Result:  
 #\* . . .

# SHOWSIGNAGEID

Displays the signage ID on the screen.

## Commands

Command	Description	Values
SHOWSIGNAGEID	Displays the signage ID on the screen.	1 to 99

## Examples

Display the signage ID 99:  
SHOWSIGNAGEID 99

Result:  
#\* Signage ID is 99

Display the signage ID 0:  
SHOWSIGNAGEID 0

Result:  
#\* Signage ID is 0 (1...99)

# SIGNAGERESET

Resets all items in the Signage Settings menu to the default values.

## Commands

Command	Description	Values
SIGNAGERESET	Resets all items in the Signage Settings menu to the default values.	-

## Examples

Set all items in the Signage Settings menu to the default values:  
SIGNAGERESET

Result:  
#\*All signage settings set to default values

# SILENTRESET

Resets the device without coming up backlight.

## Commands

Command	Description	Values
SILENTRESET	Resets the device without coming up backlight.	-

## Examples

Reset the device:  
SILENTRESET

Result:  
#\*This command is available only Active Standby state!  
or  
#\*Reset operation was not successful



# SMA

Sets the MAC address.

## Commands

Command	Description	Values
SMA <MAC address>	Sets the MAC address.	MAC address = Valid MAC address

## Examples

<p>Set the MAC address to 00:09 for ETH0:</p> <pre>SMA 00:09</pre> <p>Result:</p> <pre>#SetMacAdress Succesfull</pre> <p>or</p> <pre>**FAILURE - Wrong parameter value!</pre> <p>or</p> <pre>**FAILURE - Invalid parameter! **FAILURE - Invalid mac address!</pre>
<p>Set the MAC address to 86:34:25 for DF:</p> <pre>SMA 86:34:25</pre> <p>Result:</p> <pre>#SetMacAdress Succesfull</pre> <p>or</p> <pre>**FAILURE - Wrong parameter value!</pre> <p>or</p> <pre>**FAILURE - Invalid parameter! **FAILURE - Invalid mac address!</pre>

# SNTP

Sets the NTP Server IP.

## Commands

Command	Description	Values
SNTP <server IP>	Sets the NTP server IP.	<ul style="list-style-type: none"> <li>• Auto</li> <li>• / ntp server path</li> <li>• 0</li> </ul>

## Examples

<p>Set the NTP server IP to Auto:</p> <pre>SNTP Auto</pre> <p>Result:</p> <pre>#Auto : forced_ntpserver file deleted - SUCCESS !!</pre>
<p>Set the NTP server IP to XXX:</p> <pre>SNTP Auto</pre> <p>Result:</p>

```
#Forced_ntpserver written - SUCCESS !!
```

## SOUNDRESET

Resets all sounds settings to the default.

### Commands

Command	Description	Values
SOUNDRESET	Resets all sounds to the default.	-

### Examples

```
Reset all sound settings to their default:  
SOUNDRESET
```

## SQI

Displays the signal quality indicator.

### Commands

Command	Description	Values
SQI	Displays the signal quality indicator.	-

### Examples

```
Display the signal quality indicator:  
SQL  
  
Result:  
#*getSignalQuality():signal quality=% ...
```

## SRC

Sets the remote control code.

### Commands

Command	Description	Values
SRC <code>	Sets the remote control code.	code = Valid remote control code number

### Examples

```
Set the remote control code:  
SRC 1234  
  
Result:  
#Remote Control system Code set to 1234
```

## SSI

Displays the signal strength indicator.

### Commands

Command	Description	Values
SSI	Displays the signal strength indicator in a percentage value.	-

### Examples

```

Display the signal strength indicator:
SSI
Result:
#*getSignalStrength():signal strength=% ...
    
```

## SSIP

Sets the static IP, default gateway, and subnet mask addresses.

### Commands

Command	Description	Values
SSIP <static IP> <gateway> <subnet mask>	Set static IP, default gateway, and subnet mask addresses. Separate the addresses with a dash (-).	<ul style="list-style-type: none"> <li>static IP = valid static IP address</li> <li>gateway = Valid default gateway address</li> <li>subnet mask = Valid subnet mask address</li> </ul>

### Examples

```

Set the static IP, default gateway, and subnet mask to 192.168.0.15-10.0.90.5-255.255.255.0:
SSIP 192.168.0.15-10.0.90.5- 255.255.255.0
Result:
#IP address setting Successful
    
```

## STANDBY

Switches the display panel to Standby mode.

### Commands

Command	Description	Values
STANDBY	Switches the display panel to Standby mode. To wake the panel from Standby, run the Wakeup command.	-

### Examples

```

Put the display panel into Standby mode:
STANDBY
    
```

# STARTANALOGCHANNELMANUELSEARCH

Starts the analog manual search for a specified channel.



Ensure you set the first sound system with the SETSOUNDSYSTEM function.

## Commands

Command	Description	Values
STARTANALOGCHANNELMANUELSEARCH <bandname> <channel>	Starts the analog manual search.	<ul style="list-style-type: none"> <li>bandname =</li> <li>channel = Valid channel number</li> </ul>

## Examples

Start the analog manual search for bandname XXX for channel 2:  
`STARTANALOGCHANNELMANUELSEARCH XXX 2`

# STARTANALOGFREQMANUELSEARCH

Starts the analog manual search for the specified soundsystem and frequency.

## Commands

Command	Description	Values
STARTANALOGFREQMANUELSEARCH <soundsystem> <frequency>	Starts the analog manual search.	<ul style="list-style-type: none"> <li>soundsystem = M, BG, I, DK, L, LP</li> <li>frequency = Valid frequency in KHz value</li> </ul>

## Examples

Start the analog manual search for the M soundsystem for 530 KHz frequency:  
`STARTANALOGFREQ- MANUELSEARCH M 530`

Result:

`##*Incorrect sound system parameter entered`

or

`##*No frequency value entered.`

# STARTAPS

Starts the Auto search.

## Commands

Command	Description	Values
STARTAPS <type>	Starts the Auto search.	<ul style="list-style-type: none"> <li>Full = Both digital and analog</li> <li>Analog = Only analog</li> </ul>

		<ul style="list-style-type: none"> <li>Digital = Only digital search</li> </ul>
--	--	---

### Examples

```
Start the Auto search for both digital and analog:
STARTAPS Full

Result:
##Search completed
or
##Incorrect search type parameter entered
```

## STARTFTI

Starts the First Time Installation wizard.

### Commands

Command	Description	Values
STARTFTI	Starts the First Time Installation wizard.	-

### Examples

```
Start the First Time Installation wizard:
STARTFTI

Result:
##FTI was initialising
```

## STEA

Stops the emergency alarm.

### Commands

Command	Description	Values
STEA	Stops the emergency alarm.	-

### Examples

```
Stop the emergency alarm:
STEA

Result:
##Emergency Alarm is stopped !!!
```

## STL

Sets the panel language.

## Commands

Command	Description	Values
STL <language>	Sets the panel language.	language = Valid language

## Examples

Set the panel language to French:

STL French

Result:

#Language changed to French

## STV

Sets the display panel volume.

## Commands

Command	Description	Values
STV <value>	Sets the display panel volume.	0 to 100

## Examples

```
Set the display panel to 55:
STV 55

Result:
#*Volume set level= 55
```

## STWA

Stops the wake alarm.

### Commands

Command	Description	Values
STWA	Stops the wake alarm.	-

## Examples

```
Stop the wake alarm:
STWA

Result:
#*WakeupAlarm stopped !!!
```

## SWA

Sends the wake up alarm.

### Commands

Command	Description	Values
SWA <alarm>	Sends the wake up alarm.	alarm = Alarm url with .ts file extension

## Examples

```
Send the wake up alarm:
SWA URL.ts

Result:
#WakeupAlarm is set
```

## SWOL

Enables or disables the Wake on LAN feature.

### Commands

Command	Description	Values
SWOL <value>	Enables or disables the Wake on LAN feature.	<ul style="list-style-type: none"> <li>0 = Disable</li> </ul>

		<ul style="list-style-type: none"> <li>• 1 = Enable</li> </ul>
--	--	--

### Examples

Disable the Wake on LAN feature: SWOL 0
Enable the Wake on LAN feature: SWOL 1

## TIME

Displays the current date and time.

### Commands

Command	Description	Values
TIME	Displays the current date and time.	-

### Examples

Display the current date and time: TIME
--

## TN

Sends the Message/Trigger notification.

### Commands

Command	Description	Values
TN <key ID>	Sends the Message/Trigger notification.	key ID = 900 to 904

### Examples

Send the Message/Trigger notification for the 900 key ID: TN 900  Result: #Message Sent in SUCCESS !!!
--

## TOF

Turns off the panel.

### Commands

Command	Description	Values
TOF	Turns off the panel	-



## Examples

Turn off the panel:  
 TOF  
 Result:  
 #Display will be sent to Active Standby state.

## TON

Turns on the panel, if the following conditions are true:

- If panel is in active Standby state.
- The parameter value sets the volume value.
- If the Startup Volume Enable item (in Volume Settings menu) value is enabled.

TON must be called with a parameter for volume level; otherwise, it gives a Missing parameter error.

## Commands

Command	Description	Values
TON <volume>	Turns on the panel.	volume = Numerical value specifying the volume

## Examples

Turn on the panel at volume level 10:  
 TON 10  
 Result:  
 #Display will be turned on

## TSU

Triggers a software update.

## Commands

Command	Description	Values
TSU	Triggers a software update.	-

## Examples

Trigger a software update:  
 TSU  
 Result:  
 #\*Web Software Update search triggered !!!

# TUNEDVBS

Starts the sat manual search.

## Commands

Command	Description	Values
TUNEDVBS < frequencykhz-polarisation-symbolrate-antennatype>	Starts the sat manual search.	frequencykhz-polarisation-symbolrate-antennatype = string, integer

## Examples

```
Start the sat manual search:
TUNEDVBS < frequencykhz-polarisation- symbolrate-antennatype>

Result:
## startSatManualScan() ...
```

# UART\_CHECK

Starts the handshake process between G6F and C2 devices.

## Commands

Command	Description	Values
UART_CHECK	Starts the handshake process between G6F and C2 devices.	-

## Examples

```
Start the C2 handshake process:
UART_CHECK

Result:
##C2 handshake process is started
```

# UCL

Updates the channel list.

## Commands

Command	Description	Values
UCL	Updates the channel list.	-

## Examples

```
Update the channel list:
UCL

Result:
##Channel List updated !!!
```

# UITTXTOFF

Stops and hides the teletext.

## Commands

Command	Description	Values
UITTXTOFF	Stops and hides the teletext.	-

## Examples

```
Stop and hide the teletext:
UITTXTOFF

Result:
Teletext off.
```

# UITTXTON

Starts and shows the teletext.

## Commands

Command	Description	Values
UITTXTON	Starts and shows the teletext.	-

## Examples

```
Starts and shows the teletext:
UITTXTON

Result:
Teletext on.
```

# UNP

Send a message.

## Commands

Command	Description	Values
UNP <message>	Sends a message.	Format message content as word1+word2+word3...

## Examples

```
Send message with the text "This is a message.":
UNP "This+is+a+message."

Result:
#*Message Sent in SUCCESS !!!
```

## UNTP

Updates the date and time.

### Commands

Command	Description	Values
UNTP	Updates the the date and time.	-

## Examples

Update the date and time:  
 UNTP  
 Result:  
 #Internet connection successful file\_size=2048  
 #Date and Time is being updated from NTP Client or  
 #No Internet Connection! Date and Time cannot be updated

## UPF

Updates the Profile files.

### Commands

Command	Description	Values
UPF <filepath> <optional parameter>	Updates the Profile files.	<ul style="list-style-type: none"> <li>Filepath = Auto (default path is used for update) or Path of profile files (can be a URL or a directory)</li> <li>optional parameter = If the parameter is skip_restart, system reset is skipped</li> </ul>

### Examples

Update the Profile files to the default path:  
 UPF Auto  
 Result:  
 #Profile Files Updated from default path success = XXX

Update the Profile files to the default path:  
 UPF URL  
 Result:  
 #Profile Files Updated from defined path success =URL

## USBOPERATIONS

Performs USB operations.

### Commands

Command	Description	Values
USBOPERATIONS	Performs USB operations.	-

## Examples

Perform USB operations:

```
USBOPERATIONS
```

Result:

```
# You may observe prints Bank 0, Bank 1 etc. Be sure or observe debug print outs: "MFC ISP: done" will be written... This may take over 10
```

# USBSWUPDATE

Updates the software from a USB and re-boots the panel.

## Commands

Command	Description	Values
USBSWUPDATE	Updates the software from a USB and re-boots the panel.	-

## Examples

Update the software from a USB:

```
USBSWUPDATE (frost_bool force:1)
```

Result:

```
#Successfully written
```

or

```
# no (frost_bool force:1) found
```

# UWSI

Updates the Welcome screen image.

## Commands

Command	Description	Values
UWSI <image>	Updates the Welcome screen image. The image file must be png and 960*540.	Image = URL string for path of image file or path which starts with /tmp/... and contains the image file

## Examples

Update the Welcome screen image to image.png:

```
UWSI /tmp/image.png
```

Result:

```
#Welcome Screen File Updated from defined path success = /tmp/image.png
```

# VIDEOGETPLAYING

Returns the playing video file.

## Commands

Command	Description	Values
VIDEOGETPLAYING	Returns the playing video file.	-

## Examples

Return the playing video file:  
**VIDEOGETPLAYING**  
 Result:  
**#\*Playing /mnt/hd0a/video.mkv**

# VIDEOPLAY

Plays the specified video file.

## Commands

Command	Description	Values
VIDEOPLAY <video>	Plays the specified video file.	video = Path and filename of the video

## Examples

Play the /mnt/hd0a/video.mkv video file:  
**VIDEOPLAY /mnt/hd0a/video.mkv**  
 Result:  
**#\*Playing video : /mnt/hd0a/video.mkv**

# VIDOFF

Turns the video off.

## Commands

Command	Description	Values
VIDOFF	Turns the video off.	-

## Examples

Turn off the video:  
**VIDOFF**  
 Result:  
**#\*Video off.**

# VIDON

Turns the video on.

## Commands

Command	Description	Values
VIDON	Turns the video on.	-

## Examples

Turn on the video:  
**VIDON**  
 Result:  
**#\*Video on.**

# VOLUME

Sets the volume level.

## Commands

Command	Description	Values
VOLUME <level>	Sets the volume level.	0 to 100

## Examples

Set the volume to level 40:  
**VOLUME 40**  
 Result:  
**#\*set volume to 40**

# VOLUMEDOWN

Decreases the volume by one until the minimum volume is reached.

## Commands

Command	Description	Values
VOLUMEDOWN	Decreases the volume by one until the minimum volume is reached.	-

## Examples

Turn down the volume:  
**VOLUMEDOWN**  
 Result:  
**#\*volume LEVEL is decreased to 39**

# VOLUMEUP

Increases the volume by one until the maximum volume is reached.



## Commands

Command	Description	Values
VOLUMEUP	Increases the volume by one until the maximum volume is reached.	-

## Examples

```
Turn up the volume:
VOLUMEUP

Result:
#*volume LEVEL is increased to 41
```

# VPOS

Sets the vertical position of the image on the display panel.

## Commands

Command	Description	Values
VPOS <value>	Sets the vertical position of the image on the display panel.	-25 to 25

## Examples

```
Set the vertical position to -10:
VPOS -10

Result:
#*set horizontal position to -10
```

# WAKEUP

Wake the display panel from Standby mode.

This command requires the terminal program be set to baud rate 38400.

## Commands

Command	Description	Values
WAKEUP	Wakes the display panel from Standby mode.	-

## Examples

```
Wake up the display panel from Standby mode
WAKEUP
```

## Related information

STANDBY on page 155

# WAU

Enables or disables the Software Auto Upgrade feature.

## Commands

Command	Description	Values
WAU <1   2>	Enables or disables the Software Auto Upgrade feature.	<ul style="list-style-type: none"> <li>1 = Enabled</li> <li>2 = Disabled</li> </ul>

## Examples

<p>Enable the Software Auto Upgrade feature:</p> <pre>WAU 1</pre> <p>Result:</p> <pre>#Auto Software Update Availability - ENABLED !!</pre>
<p>Disable the Software Auto Upgrade feature:</p> <pre>WAU 2</pre> <p>Result:</p> <pre>#Auto Software Update Availability - DISABLED !!</pre>

# WiFi

Checks if the given SSID WiFi is found or not and returns Pass or Fail. Works only in Portal mode.

## Commands

Command	Description	Values
WiFi <ssid>	Checks if the given SSID WiFi is found or not and returns Pass or Fail. Works only in Portal mode.	ssid = Valid SSID

## Examples

<p>Check if the given SSID WiFi is found or not:</p> <pre>WiFi XXX</pre> <p>Result:</p> <pre>##*Pass</pre> <p>or</p> <pre>##*FAIL</pre>
---

