

Technical Reference
020-001765-01

98" Access Series LCD Panel

External Controls

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

When the baud rate is set to 38400, the panel remains at that baud rate when in an ON and OFF state. When the baud rate is set to 115200, it returns to baud rate 38400 when it is in an OFF state. To use the Wake on RS232 command, the connection to the display panel must be configured with 38400 baud rate.

To change the baud rate, on the panel select **Signage Settings > Controls > UART0 > ASCII** and select the baud rate.

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.

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

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.
Free Wake On LAN software packages are available for downloading from the internet. The steps below are for the Aquilia WOL software.
2. To open WakeOnLAN, select the downloaded file and click **New Host**.
3. 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.
4. Enter any IP address in the FQDN/IP.
Leave all other fields at their default values.
5. Select the newly added host, right-click, and select **Wake Up**.

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: <http://bit.ly/2iUdjFs>.
- 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 Series 98" LCD Panel User Guide (P/N: 020-001700-XX)*
- *UHD982-P Service Guide (P/N: 020-001709-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.

VGA/PC commands	Picture commands	Network commands
<p><i>GETHPOS</i> (on page 24) <i>HPOS</i> (on page 37)</p>	<p><i>GETCOLOURTEMP</i> (on page 17) <i>COLOURTEMP</i> (on page 14)</p>	<p><i>get_IP_address</i> (on page 15) <i>set_IP_address</i> (on page 41)</p>
<p><i>GETVPOS</i> (on page 35) <i>VPOS</i> (on page 61)</p>	<p><i>GETPICTUREMODE</i> (on page 28) <i>PICTUREMODE</i> (on page 38)</p>	<p><i>GETNETWORKTYPE</i> (on page 26) <i>SETNETWORKTYPE</i> (on page 48)</p>
<p><i>GETDOTCLOCK</i> (on page 20) <i>DOTCLOCK</i> (on page 15)</p>	<p><i>GETCONTRAST</i> (on page 18) <i>SETCONTRAST</i> (on page 43)</p>	<p><i>GETSUBNETMASK</i> (on page 33) <i>SETSUBNETMASK</i> (on page 54)</p>
<p><i>AUTOPOS</i> (on page 12)</p>	<p><i>GETBRIGHTNESS</i> (on page 17) <i>SETBRIGHTNESS</i> (on page 43)</p>	<p><i>GETDEFAULTGATEWAY</i> (on page 19) <i>SETDEFAULTGATEWAY</i> (on page 44)</p>
<p><i>GETOSDORIENTATION</i> (on page 27)</p>	<p><i>GETSHARPNESS</i> (on page 31) <i>SETSHARPNESS</i> (on page 52)</p>	<p><i>GETDNS1 and GETDNS2</i> (on page 20)</p>
<p><i>GETOPSPPOWER</i> (on page 27) <i>SETOPSPPOWER</i> (on page 48)</p>	<p><i>GETCOLOUR</i> (on page 17) <i>SETCOLOUR</i> (on page 43)</p>	
	<p><i>PICTUREZOOM</i> (on page 39)</p>	
	<p><i>CONTRASTUP</i> (on page 15) <i>CONTRASTDOWN</i> (on page 14)</p>	
	<p><i>GETENERGYSAVING</i> (on page 21)</p>	
	<p><i>GETPOWERSAVE</i> (on page 28)</p>	
	<p><i>WAKEUP</i> (on page 61)</p>	

Admin panel commands	Signage settings commands	Media Browser commands
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<p><i>STV</i> (on page 58)</p>	<p><i>GETFREESPACE</i> (on page 23)</p>	<p><i>GETUSBAUTOPLAY</i> (on page 34) <i>SETUSBAUTOPLAY</i> (on page 55)</p>
<p><i>STWA</i> (on page 58) <i>STEA</i> (on page 57)</p>	<p><i>GETSCHEDULER</i> (on page 30) <i>SETSCHEDULER</i> (on page 51)</p>	
<p><i>UNP</i> (on page 59)</p>	<p><i>GETSCHEDULEOP</i> (on page 30) <i>SETSCHEDULEOP</i> (on page 50) <i>SAVEMODELINFO</i> (on page 40)</p>	<p><i>GETSLIDESHOWINTERVAL</i> (on page 31)</p>

Admin panel commands	Signage settings commands	Media Browser commands
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Audio commands	General display commands
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<i>GETHEADPHONEVOLUME</i> (on page 24) <i>HEADPHONEVOLUME</i> (on page 36)	<i>GETSOURCE</i> (on page 32) <i>SETSOURCE</i> (on page 53) <i>SELECTSOURCE</i> (on page 40)
<i>GETMUTE</i> (on page 26) <i>SETMUTE</i> (on page 47)	<i>GETCOUNTRY</i> (on page 18) <i>SETCOUNTRY</i> (on page 44)
<i>SOUNDRESET</i> (on page 56)	<i>GETSWVERSION</i> (on page 33)
<i>SETSOUNDMODE</i> (on page 53)	<i>KEY</i> (on page 37)
<i>GETBALANCE</i> (on page 16) <i>SETBALANCE</i> (on page 42)	<i>RESET</i> (on page 39) <i>CHANGELNG</i> (on page 12)
<i>GETAVL</i> (on page 16) <i>SETAVL</i> (on page 42)	<i>GETSTANDBY</i> (on page 32) <i>STANDBY</i> (on page 56)
<i>GETDYNAMICBASS</i> (on page 21) <i>SETDYNAMICBASS</i> (on page 45)	<i>GETMENUTIMEOUT</i> (on page 25) <i>MENUTIMEOUT</i> (on page 38)
<i>GETEQUUSERFREQ</i> (on page 22) <i>SETEQUUSERFREQ</i> (on page 46)	<i>GETMODELNO</i> (on page 25) <i>GETSERIALNO</i> (on page 31)
<i>GETDIGITALOUT</i> (on page 19) <i>SETDIGITALOUT</i> (on page 45)	<i>GETLED</i> (on page 24)
<i>GETEQMODE</i> (on page 22) <i>SETEQMODE</i> (on page 46)	<i>GETQUICKSTANDBY</i> (on page 29) <i>SETQUICKSTANDBY</i> (on page 49)
<i>VOLUMEUP</i> (on page 60) <i>VOLUMEDOWN</i> (on page 60)	<i>SIGNAGERESET</i> (on page 56)
<i>GETHEADPHONEOUTPUT</i> (on page 23) <i>SETHEADPHONEOUTPUT</i> (on page 47)	<i>GETTVLIFETIME</i> (on page 35) <i>TIME</i> (on page 59)
	<i>GETPOWERONDELAY</i> (on page 28) <i>SETPOWERONDELAY</i> (on page 49)
	<i>STARTFTI</i> (on page 57)

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.
AUTOPOS
Result:
#*set auto position
```

CHANGELNG

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

Commands

Command	Description	Values
CHANGELNG <area> <language>	Changes the language used in a specific area of the display panel.	<p>Area</p> <ul style="list-style-type: none"> • 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 <p>Language</p> <ul style="list-style-type: none"> • 0 = Danish • 1 = German • 2 = Estonian • 3 = English • 4 = Spanish • 5 = Greek

Command	Description	Values
		<ul style="list-style-type: none"> • 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 = Ukrainian • 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.

```
CHANGE LNG 0 6
```

Result:

```
#*Active language was changed
```

COLOURTEMP

Set the color temperature.

Commands

Command	Description	Values
COLOURTEMP <value>	Sets the color temperature.	<ul style="list-style-type: none"> • normal • warm • cool

Examples

Set the color temperature to cool.

```
COLOURTEMP cool
```

Result:

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

CONTRASTDOWN

Decrease the contrast level by one step.

Commands

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

Examples

Decrease the contrast level by one step.

```
CONTRASTDOWN
```

Result:

```
#*Picture contrast value is set to 5
```

CONTRASTUP

Increase the contrast level by one step.

Commands

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

Examples

```
Increase the contrast level by one step.
CONTRASTUP
Result:
#*Picture contrast value is set to 7
```

DOTCLOCK

Set the dot clock.

Commands

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

Examples

```
Set the dot clock to 12.
DOTCLOCK 12
Result:
#*set dot clock to 12
```

get_IP_address

Display 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 network interface.
 get_IP_address

GETAVL

Displays the current AVL setting.

Commands

Command	Description	Values
GETAVL	Displays the state of AVL.	<ul style="list-style-type: none"> • 0 = Off • 1 = On

Examples

Display the AVL state.
 GETAVL
 Result:
 #*avl state is 0

GETBALANCE

Displays the current balance setting.

Commands

Command	Description	Values
GETBALANCE	Gets the balance value	—

Examples

Display the balance value.
 GETBALANCE
 Result:
 #*balance level is -20

GETBRIGHTNESS

Display the current brightness setting.

Commands

Command	Description	Values
GETBRIGHTNESS	Displays the current brightness setting.	—

Examples

```

Display the current brightness setting.
GETBRIGHTNESS
Result:
#*Picture brightness value is set to 25
    
```

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
    
```

GETCOLOURTEMP

Display the current color temperature setting.

Commands

Command	Description	Values
GETCOLOURTEMP	Display the current color temperature setting.	—

Examples

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

GETCONTRAST

Display the picture contrast setting.

Commands

Command	Description	Values
GETCONTRAST	Display the picture contrast setting.	—

Examples

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

GETCOUNTRY

Display the current country setting.

Commands

Command	Description	Values
GETCOUNTRY	Displays the country setting.	—

Examples

Display the currently configured country.
 GETCOUNTRY
 Result:
 #*COUNTRY IS : Canada

GETDEFAULTGATEWAY

Display the current default gateway.

Commands

Command	Description	Values
GETDEFAULTGATEWAY	Displays the current default gateway.	—

Examples

```

Display the current default gateway.
GETDEFAULTGATEWAY
Result:
#*the default gateway is 10.1.1.3
    
```

GETDIGITALOUT

Display the current digital out setting.

Commands

Command	Description	Values
GETDIGITALOUT	Get digital out state.	—

Examples

```

Display the status of digital out.
GETDIGITALOUT
Result:
#*digital out is pcm
or
#*digital out is compressed
    
```

GETDNS1 and GETDNS2

Display the DNS of server 1 or server 2.

Commands

Command	Description	Values
GETDNS1	Display the DNS of server 1.	—
GETDNS2	Display the DNS of server 2.	—

Examples

```

Display the DNS of server 1.
GETDNS1
Result:
#*DNS server 1 is 10.10.10.10
    
```

GETDOTCLOCK

Display the current dot clock settings.

Commands

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

Examples

```

Displays 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 set.	<ul style="list-style-type: none"> • 0 = Off • 1 = On

Examples

```

Display the current dynamic bass set.
GETDYNAMICBASS
Result:
#*The dynamic bass state is 0.
    
```

GETENERGYSAVING

Display 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
    
```

GETEQUUSERFREQ

Display the equalizer setting for a specific band.

Commands

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

Examples

```
Display the equalizer setting for 120Hz.
GETEQUUSERFREQ 120Hz
Result:
#*the equalizer value for the band is 10
```

GETEQMODE

Displays the current equalizer mode setting.

Commands

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

Examples

```
Display the equalizer mode.
GETEQMODE
Result:
#*the equalizer mode is Movie
```

GETFREESPACE

Display 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
    
```

GETHEADPHONEOUTPUT

Display the current headphone setting.

Commands

Command	Description	Values
GETHEADPHONEOUT PUT	Display the headphone status.	—

Examples

```

Display the headphone status.
GETHEADPHONEOUTPUT
Result:
#*LINEOUT
or
#*HEADPHONE
    
```

GETHEADPHONEVOLUME

Displays the volume level of the headphones.

Commands

Command	Description	Values
GETHEADPHONEVOLUME	Headphone volume level information	—

Examples

```

Display the volume level of the headphones.
GETHEADPHONEVOLUME
Result:
#*headphone volume level is 7
    
```

GETHPOS

Display 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
    
```

GETLED

Display the current status of the LED.

Commands

Command	Description	Values
GETLED	Displays the status of the LED.	—

Examples

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

GETMENUTIMEOUT

Display 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
```

GETMODELNO

Display 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
```

GETMUTE

Displays the current mute setting.

Commands

Command	Description	Values
GETMUTE	Retrieves the status of mute.	—

Examples

```

Display the status of mute.
GETMUTE
Result:
#*MUTE OFF
or
#*MUTE ON
    
```

GETNETWORKTYPE

Display the network type setting.

Commands

Command	Description	Values
GETNETWORKTYPE	Display the network type setting.	—

Examples

```

Display the network type setting.
GETNETWORKTYPE
Result:
#*the network type is wired
    
```

GETOPSPower

Displays the current power state of the OPS.

Commands

Command	Description	Values
GETOPSPower	Displays the current power state of the OPS.	—

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

Display the orientation of the on-screen display.

Commands

Command	Description	Values
GETOSDORIENTATION	Displays the orientation of the on-screen display.	—

Examples

```

Display the orientation of the on-screen display.
GETOSDORIENTATION
Result:
#*The OSD orientation landscape
    
```

GETPICTUREMODE

Display 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
    
```

GETPOWERONDELAY

Display 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

Display the current power saving mode.

Commands

Command	Description	Values
GETPOWERSAVE	Displays the current power saving mode.	—

Examples

Display the current power saving mode.

GETPOWERSAVE

Result:

#*Powersavemode is ON

GETQUICKSTANDBY

Display the current state of quick standby.

Commands

Command	Description	Values
GETQUICKSTANDBY	Display the current state of SETQUICKSTANDBY.	—

Examples

Displays the current state of quick standby.

GETQUICKSTANDBY

Result:

#*Quick Standby is off.

GETRC

Display 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

GETSCHEDULEOP

Display 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

Display 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 the scheduler.
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 display panel.	—

Examples

Display the serial number of the display panel.
 GETSERIALNO

GETSHARPNESS

Display the picture sharpness setting.

Commands

Command	Description	Values
GETSHARPNESS	Display the picture sharpness setting.	—

Examples

Display the picture sharpness setting.
 GETSHARPNESS
 Result:
 #*THE SHARPNESS VALUE : 30

GETSLIDESHOWINTERVAL

Display 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

Display the currently enabled source.

Commands

Command	Description	Values
GETSOURCE	Displays the current source.	—

Examples

Display the current source.
 GETSOURCE
 Result:
 #*source is VGA

GETSTANDBY

Display the current standby status.

Commands

Command	Description	Values
GETSTANDBY	Displays the current standby status.	—

Examples

Display the current standby status.
 GETSTANDBY
 Result:
 #*standby on
 or
 #*standby off

GETSWVERSION

Display 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

```
Display the version of software installed on the display panel.
GETSWVERSION
Result:
#*V <version number>
```

GETSUBNETMASK

Display the subnet mask.

Commands

Command	Description	Values
GETSUBNETMASK	Displays the subnet mask.	—

Examples

```
Display the subnet mask.
GETSUBNETMASK
Result:
#*the subnet mask is 255.255.255.0
```

GETTOTALSPACE

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

Commands

Command	Description	Values
GETTOTALSPACE	Displays the amount of space on the connected USB device, in mb.	—

Examples

Display the amount of space on the connected USB device.

GETTOTALSPACE

Result:

#*The total space is 4096 MB

GETUSBAUTOPLAY

Display 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

GETVIEWSTYLE

Display 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

GETTVLIFETIME

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

Commands

Command	Description	Values
GETTVLIFETIME	Display 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: n
    
```

GETVOLUME

Displays the volume level of the display panel.

Commands

Command	Description	Values
GETVOLUME	Volume level information	—

Examples

```

Display the volume level of the display panel.
GETVOLUME
Result:
#*volume level is 7
    
```

GETVPOS

Display 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
```

GWOL

Displays the status of Wake on LAN.

Commands

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

Examples

```
Displays the status of Wake on LAN.
GWOL
```

HEADPHONEVOLUME

Sets the headphone volume.

Commands

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

Examples

```
Set the headphone volume to 20.
HEADPHONEVOLUME 20
Result:
#*set headphone volume to 20
```

HPOS

Set the horizontal position.

Commands

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

Examples

```
Set the horizontal position to -10.
HPOS -10
Result:
#*set horizontal position to -10
```

KEY

Navigate 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 remote control.	The value can be a number, direction, or menu item. For a list of the available values, at the prompt type KEY + or KEY ?

Examples

```
Display the menu.
KEY menu

Increase the volume by one step.
KEY vol+

Play the media.
KEY play
```

MENUTIMEOUT

Set the amount of time before the menu times out.

Commands

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

Examples

```
Set the menu to time out after 30 seconds.
MENUTIMEOUT 30
Result:
#*set menu timeout mode to 30
```

PICTUREMODE

Set the picture mode.

Commands

Command	Description	Values
PICTUREMODE <mode>	Sets the picture mode.	<ul style="list-style-type: none"> • 1 = Dynamic • 2 = Natural • 3 = Cinema • 4 = Game • 5 = Sport

Examples

```
Set the picture mode to cinema.
PICTUREMODE 3
Result:
#*setPictureMode() set to 3
```

PICTUREZOOM

Set the zoom mode.

Commands

Command	Description	Values
PICTUREZOOM <mode>	Sets the zoom mode.	<ul style="list-style-type: none"> • auto • 16:9 • subtitle • 14:9 • 14:9zoom • 4:3 • full (only for HD channels) • cinema

Examples

```
Set the zoom mode to 16:9.
PICTUREZOOM 16:9
Result:
#*setPictureZoomMode() set to 16:9
```

RESET

Reset the display panel.

Commands

Command	Description	Values
RESET	Resets the device.	—

Examples

```
Reset the display panel.
RESET
```

RST

Restart the display panel.

Commands

Command	Description	Values
RST	Restarts the display panel.	—

Examples

```
Restart the display panel.
RST
Result:
#*Monitor will be restarted
```

SAVEMODELINFO

Save 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
```

SELECTSOURCE

Set the video source.

Commands

Command	Description	Values
SELECTSOURCE <source>	Sets the video source.	• 5=BACK AV

Command	Description	Values
		<ul style="list-style-type: none"> • 7=HDMI1 • 8=HDMI2 • 11=YpPr • 12=VGA • 18=DVI • 19=DP • 20=OPS

Examples

```
Set the video source to DisplayPort.
SELECTSOURCE 19
Result:
#*select 19 source
```

set_IP_address

Set the static IP address of the eth0 network interface.

Commands

Command	Description	Values
set_IP_address <IP address>	Set the static IP address of the eth0 network interface.	—

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
```

SETAVL

Turn AVL on and off.

Commands

Command	Description	Values
SETAVL <value>	Turns AVL on or off.	0 = Off 1 = On

Examples

```
Turn off AVL.
SETAVL 0
Result:
#*set avl state to 0
```

SETBALANCE

Sets the audio balance.

Commands

Command	Description	Values
SETBALANCE	Set balance value.	-50 to 50

Examples

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

SETBRIGHTNESS

Set 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
```

SETCOLOUR

Set 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
```

SETCONTRAST

Set the picture contrast.

Commands

Command	Description	Values
SETCONTRAST <value>	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

Change the country setting.

Commands

Command	Description	Values
SETCOUNTRY <country>	Set the country.	—

Examples

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

SETDEFAULTGATEWAY

Set the default gateway.

Commands

Command	Description	Values
SETDEFAULTGATEWAY	Set the default gateway for the network connection, formatted as xxx.xxx.xxx.xxx.	—

Examples

Set the default gateway to 10.1.1.3.
 SETDEFAULTGATEWAY 10.1.1.3
 Result:
 #*set default gateway: 10.1.1.3

SETDIGITALOUT

Set digital out to compressed or PCM.

Commands

Command	Description	Values
SETDIGITALOUT <mode>	Set digital out.	<ul style="list-style-type: none"> compressed pcm

Examples

```
Set digital out to PCM
SETDIGITALOUT pcm
Result:
#*setDigitalOut() set to pcm
```

SETDYNAMICBASS

Turns mute on and off.

Commands

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

Examples

```
Turn on the dynamic bass.
SETDYNAMICBASS 1
Result:
#*set dynamic bass state to 1
```

SETEQUSERFREQ

Set the equalizer setting for any band.

Commands

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

Examples

```
Set the setting to 10 for the 120Hz band.
SETEQUSERFREQ 120Hz 10
Result:
#*setEQUserFreq() set to n
or
#*Incorrect sound system parameter entered
or
#*Incorrect equalizer mode. It should be USER mode
```

SETEQMODE

Set the equalizer mode.

Commands

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

Examples

```
Set the equalizer mode to Movie.
SETEQMODE Movie
Result:
#*setEQMode() set to Movie
```

SETHEADPHONEOUTPUT

Set the headphone output.

Commands

Command	Description	Values
SETHEADPHONEOUTPUT PUT <output>	Sets the headphone output.	<ul style="list-style-type: none"> • headphone • lineout

Examples

```
Set the headphone output to lineout.
SETHEADPHONEOUTPUT lineout
Result:
#*set headphone output to lineout
```

SETMUTE

Turns mute on and off.

Commands

Command	Description	Values
SETMUTE	Sets the mute value to on or off.	—

Examples

```
Change the mute value to the opposite of the current value. If mute is currently enabled, it will be disabled.
SETMUTE
Result:
#*MUTE OFF
or
#*MUTE ON
```

SETNETWORKTYPE

Set the network as wired, wireless, or disabled.

Commands

Command	Description	Values
SETNETWORKTYPE <type>	Set the network type.	<ul style="list-style-type: none"> • wired • wireless • disabled

Examples

```
Set the network type as wired.
SETNETWORKTYPE wired
Result:
#*Network type is set to: wired
```

SETOPSPower

Turn the OPS power on and off.

Commands

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

Examples

```
Turn on the OPS power.
SETOPSPower on
Result:
#*Turning OPS on
```


SETPOWERONDELAY

Set 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.
```

SETQUICKSTANDBY

Turn quick standby on or off.

In the on-screen display, **System > Settings > More > Quick Standby** must be enabled for this command to function.

Commands

Command	Description	Values
SETQUICKSTANDBY <value>	Turns quick standby on or off.	value: <ul style="list-style-type: none"> • on • off

Examples

```
Turn quick standby off.
SETQUICKSTANDBY off
Result:
#*Set Quick Standby off
```

SETRC

Enable and disable the remote control.

Commands

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

Examples

```

Disable the remote control.
SETRC OFF
Result:
#*set remote state OFF
    
```

SETSCHEDULEOP

Set 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>	Set the schedule for the display panel.	<Preset> = 1, 2, 3, or 4 <on-enabled> and <off-enabled> : <ul style="list-style-type: none"> • 0 = Disabled • 1 = Enabled <on_time> and <off_time> are formatted as hh:mm. <day of the week> = each digit in the sequence is one day of the week, starting with Sunday. <ul style="list-style-type: none"> • 0 = Schedule does not apply • 1 = Schedule applies <source> : <ul style="list-style-type: none"> • LastSource • USB • DP

Command	Description	Values
		<ul style="list-style-type: none"> • OPS • DVI • HDMI • YPBPR • VGA/PC

Examples

```

Set the preset 4 to turn on at 6:30am and off at 11:30pm on Monday, Wednesday, and Friday, for VGA/PC.
SETSCHEDULEOP 4_1_06:30_1_23:30_0101010_VGA/PC
Result:
#*Schedule parameters are set

Set the preset 2 to turn on at 8:00am and off at 6:00pm on Monday to Friday, for USB.
SETSCHEDULEOP 2_1_08:00_1_18:00_0111110_USB
Result:
#*Schedule parameters are set
    
```

SETSCHEDULER

Enable and disable the scheduler.

Commands

Command	Description	Values
SETSCHEDULER <preset> <ON OFF>	Enable and disable the scheduler for the specified preset.	Preset = 1, 2, 3, or 4

Examples

```

Enable the scheduler.
SETSCHEDULER 1 ON
Result:
#*The scheduler for preset 1 is set to ON
    
```

SETSHARPNESS

Set the picture sharpness.

Commands

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

Examples

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

SETSLIDESHOWINTERVAL

Set the slide show interval, in seconds.

Commands

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

Examples

```
Set the slide show interval to 20 seconds.
SETSLIDESHOWINTERVAL 20
Result:
#*The slideshow interval is set to 20 seconds
```

SETSOUNDMODE

Sets the sound mode.

Commands

Command	Description	Values
SETSOUNDMODE <mode>	Sets the sound mode.	<ul style="list-style-type: none"> • 0 = Mono • 1 = Stereo • 2 = Dual I • 3 = Dual II • 4 = Mono left • 5 = Mono right

Examples

```
Set the sound mode to stereo.
SETSOUNDMODE 1
Result:
#*setSoundMode() set to 1
or
#*Invalid sound mode entered
```

SETSOURCE

Enable and disable sources.

Commands

Command	Description	Values
SETSOURCE <source> <state>	Enables and disables sources.	Source: <ul style="list-style-type: none"> • SCART1 • SCART2 • FAV • SVHS • HDMI1 • HDMI2 • HDMI3 • HDMI4

Command	Description	Values
		<ul style="list-style-type: none"> • YBPR • VGA • SCART1S • SCART2S State: <ul style="list-style-type: none"> • 0 = Disable • 1 = Enable

Examples

```

Disable VGA.
SETSOURCE VGA 0
Result:

#*Selected source VGA
#*Enable/Disable state : b
    
```

SETSUBNETMASK

Set the subnet mask for the network connection.

Commands

Command	Description	Values
SETSUBNETMASK <subnet mask>	Sets the subnet mask for the network connection, formatted as xxx.xxx.xxx.xxx.	—

Examples

```

Set the subnet mask as 255.255.255.0.
SETSUBNETMASK 255.255.255.0
Result:

#*set subnet mask: 255.255.255.0
    
```

SETUSBAUTOPLAY

Turn USB autoplay on and off.

Commands

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

Examples

```
Turn USB autoplay on.
SETUSBAUTOPLAY ON
Result:
#*The USB autoplay is set to ON
```

SETVIEWSTYLE

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

Commands

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

Examples

```
Display Media Browser content in folders.
SETVIEWSTYLE Folder
Result:
#*The view style is set to folder
```

SIGNAGERESET

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

Commands

Command	Description	Values
SIGNAGERESET	Sets 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
```

SOUNDRESET

Reset all sounds settings to the default.

Commands

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

Examples

```
Reset all sound settings to the default.
SOUNDRESET
```

STANDBY

Set the display panel to Standby mode.

Commands

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

Examples

Put the display panel into standby mode.
STANDBY

Related information

WAKEUP (on page 61)

STARTFTI

Start 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

STEAM

Stop the emergency alarm.

Commands

Command	Description	Values
STEAM	Stop the emergency alarm.	—

Examples

Stop the emergency alarm.
STEAM
Result:
#Emergency Alarm is stopped !!!

STV

Set the display panel volume.

Commands

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

Examples

```
Set the display panel volume to 55.
STV 55
Result:
#*Volume set level= 55
```

STWA

Stop the wake alarm.

Commands

Command	Description	Values
STWA	Stops the wake alarm.	—

Examples

```
Stop the wake alarm.
STWA
Result:
#*WakeupAlarm stopped !!!
```

SWOL

Enable and disable the Wake on LAN feature.

Commands

Command	Description	Values
SWOL <value>	Enable and disable the Wake on LAN feature.	<ul style="list-style-type: none"> • 0 = Disable • 1 = Enable

Examples

Disable the Wake on LAN feature.
SWOL 0

TIME

Display the current date and time.

Commands

Command	Description	Values
TIME	Display the current date and time.	—

Examples

Display the current date and time.
TIME

UNP

Send a message

Commands

Command	Description	Values
UNP <message>	Send a message.	Message content should be formatted as "word1+word2+word3..."

Examples

Send message with the text "This is a message."
UNP "This+is+a+message."
Result:
#*Message Sent in SUCCESS !!!

VOLUMEDOWN

Turn down the volume.

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 <level>

VOLUMEUP

Turn up the volume.

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 <level>

VPOS

Set the vertical position.

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.

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

Commands

Command	Description	Values
WAKEUP	Wakes the display panel.	—

Examples

```
Wake the display panel.
WAKEUP
```

Related information

STANDBY (on page 56)

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