

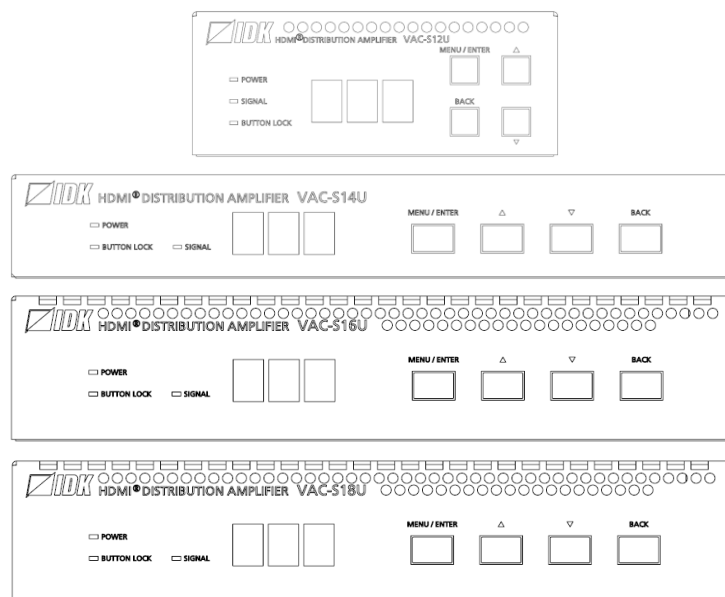
## HDMI Distribution Amplifier

# VAC-S Series

VAC-S12U/VAC-S14U/VAC-S16U/VAC-S18U

<Command Reference Guide>

Ver.1.1.0



- Thank you for choosing our product.
- To ensure the best performance of this product, please read this user guide fully and carefully before using it and keep this manual together with the product for future reference as needed.

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# Before reading this manual

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- Some information contained in this command guide such as exact product appearance, communication commands, and so on may differ depending on the product version.
- This command guide is subject to change without notice. You can download the latest version from IDK's website at: [www.idkav.com](http://www.idkav.com)

The reference manual consists of the following two volumes:

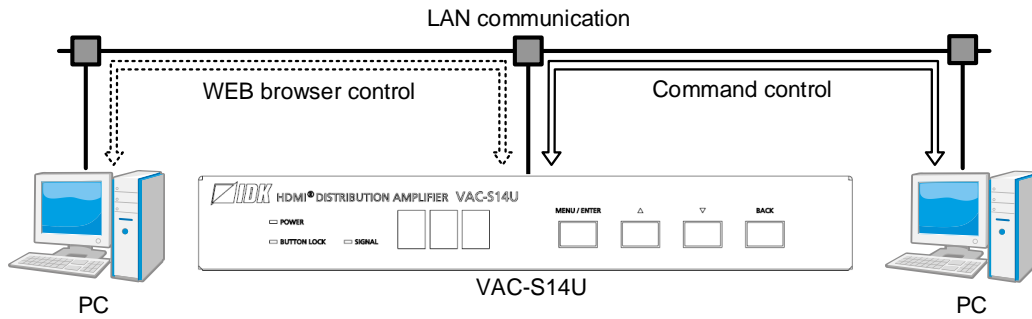
- User guide: Please download the user guide from the website above.
- Command guide (this document)

## Table of Contents

1	About this Guide .....	5
2	Communication configuration and Specifications .....	6
2.1	LAN connector specification .....	6
2.2	LAN communication specification .....	6
2.3	Setting up LAN communication .....	7
2.4	The number of TCP-IP connections .....	8
2.5	Unsolicited status notification .....	9
3	Command .....	10
3.1	Summary .....	10
3.2	Command list .....	11
3.3	Details of commands .....	13
3.3.1	Error status .....	13
3.3.2	EDID .....	14
3.3.3	Audio .....	20
3.3.4	Input .....	21
3.3.5	Output .....	22
3.3.6	LAN .....	27
3.3.7	Configuring VAC-S .....	29
3.3.8	Status indication .....	30
3.3.9	Status notification .....	38

# 1 About this Guide

This guide contains the procedure for controlling the VAC-S series (hereafter referred to as “VAC-S”) using commands via LAN communication.



[Fig. 1.1] Controlling VAC-S

## 2 Communication configuration and Specifications

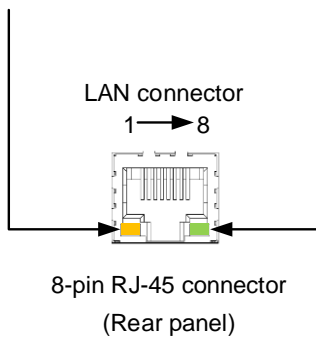
### 2.1 LAN connector specification

Pin assignment of the LAN connector is as follows.

Auto MDI/MDI-X that detecting and switching straight cable/cross cable is supported.

Light in orange if the send/receive rate is 100 Mbps.  
Goes off if it is 10 Mbps.

Light in green while link is established.  
Blinks in green while data is being sent/received.



Pin#	Signal Name	
	MDI	MDI-X
1	TX+ (Transmitted Data +)	RX+ (Received Data +)
2	TX- (Transmitted Data -)	RX- (Received Data -)
3	RX+ (Received Data +)	TX+ (Transmitted Data +)
4	N.C. (Not Connected)*	N.C. (Not Connected)*
5	N.C. (Not Connected)*	N.C. (Not Connected)*
6	RX- (Received Data -)	TX- (Transmitted Data -)
7	N.C. (Not Connected)*	N.C. (Not Connected)*
8	N.C. (Not Connected)*	N.C. (Not Connected)*

\*Not used

[Fig. 2.1] LAN connector

### 2.2 LAN communication specification

[Table 2.1] Specification of LAN communication

Physical layer	10Base-T (IEEE802.3i)/100Base-TX (IEEE802.3u)
Network layer	ARP, IP, ICMP
Transport layer	TCP Port used for command control : 1100, 6000 to 6999 Port used for WEB browser control (HTTP) : 80

**Note:**

Up to 8 connections can be used simultaneously. (4 connections for WEB browser)

【See: 2.4 The number of TCP-IP connections】

## 2.3 Setting up LAN communication

(1) Connect the VAC-S and the control device via a LAN cable.

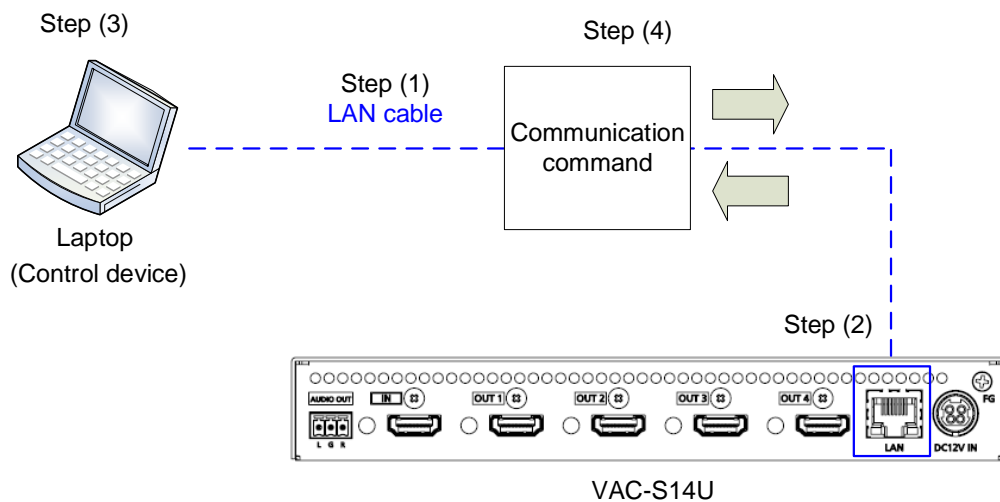
(2) Set up LAN communication as follows:

- Set IP address and subnet mask
- TCP port number: 1100 (Default), 6000 to 6999

【Reference: User guide】

(3) Establish the connection from the control device to the IP address and TCP port that are set to the VAC-S in step (2) above.

(4) Send a communication command from the control device to the VAC-S in order to check the control status of the VAC-S.



[Fig. 2.2] Setting LAN communication

## 2.4 The number of TCP-IP connections

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The VAC-S supports up to eight simultaneous TCP-IP connections (eight logical ports). To maintain optimal system accessibility, it is advisable to issue “port-open” and “port-close” commands before and after command or query strings are issued. This approach enables eight or more control devices to be effectively interfaced simultaneously and without concern for communication errors.

**[Table 2.2] Increasing connections**

Your PC software		VAC-S
Connecting TCP-IP	→	(Occupying 1 port)
Sending command (@xxx)	→	
	←	Replying command (@xxx)
Closing TCP-IP	→	(Releasing 1 port)

**Note:**

As a safeguard, the VAC-S incorporates a 30-second timeout window for each port. If any port is inactive for more than 30 seconds, it will be closed automatically.

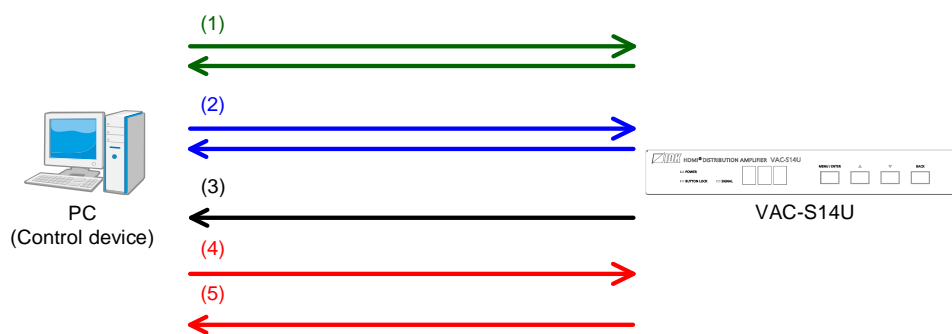


## 2.5 Unsolicited status notification

The VAC-S can notify status changes and problems in a system through LAN communication. This function is set to be disabled after the VAC-S is powered on. Use the @SPH command to enable the unsolicited status notification function.

### Unsolicited status notification:

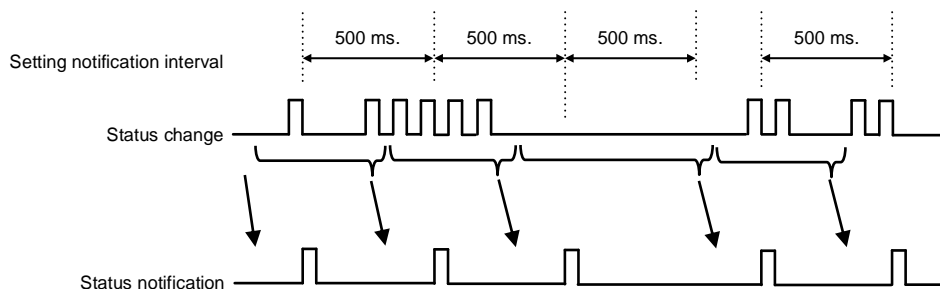
- (1) The unsolicited status notification feature is enabled using @SPH command.
- (2) The control device periodically sends @GIV command (30 seconds or shorter) to keep the connection.
- (3) The VAC-S notifies control device of changes in VAC-S.
- (4) The control device sends @AIN command that is for getting input status.
- (5) The VAC-S sends the control device current status.



[Fig. 2.3] Notifying status

Interval between a notification and the next notification.

If no change is detected during the interval, status is sent immediately after detecting a change.



[Fig.2.4] Notification interval

## 3 Command

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### 3.1 Summary

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A command consists of “@” (“40” in hexadecimal), 3 one-byte alphabetical characters (upper and lower cases), and parameters (one-byte numbers). For some commands, multiple parameter values can be specified or parameters are not necessary.

“,” (a comma, “2C” in hex) is indicated between a command and parameter and between two parameters.  
“␣” is indicated as a delimiter CR LF (return+line feed, “0D” and “0A” in hex).

Processing is executed by sending a delimiter at the end of the command.

Example: @SED,1,4␣

#### ■ If there is an error:

An error command is returned if an undefined command or wrong parameter is included.

Example: @SDM,0␣  
          @ERR,1␣

#### ■ Using as HELP

If only delimiter is sent, command list as the help command is returned.

## 3.2 Command list

### ■ Error status

Command	Function	Page
@ERR	Error status	13

### ■ EDID

Command	Function	Page
@GED / @SED	Resolution	14
@GEC / @SEC	External EDID	15
@RME	Copying EDID	15
@GDI / @SDI	Deep Color	16
@GAF / @SAF	Audio format	17
@GSP / @SSP	Speaker configuration	18
@GPA / @SPA	Copying CEC physical address	19
@GHZ / @SHZ	Frame rate	19

### ■ Audio

Command	Function	Page
@GAW / @SAW	Stable audio input wait	20
@GUC / @SUC	Outputting audio	20

### ■ Input

Command	Function	Page
@GHE / @SHE	HDCP input	21
@GDT / @SDT	No-signal input monitoring	21

### ■ Output

Command	Function	Page
@GMK / @SMK	Hot plug ignoring duration	22
@GHM / @SHM	Sink device EDID check	23
@GDM / @SDM	Output format	24
@GDN / @SDN	Downconversion output	24
@GOO / @SOO	Presence of output signal for when signal is input	25
@GOE / @SOE	Applying @SOO setting	25
@GDP / @SDP	Presence of output signal for when no signal is input	26

### ■ LAN

Command	Function	Page
@GIP / @SIP	IP address	27
@GSB / @SSB	Subnet mask	27
@GLP / @SLP	TCP port number	28
@GMC	MAC address	28

■ **Configuring VAC-S**

Command	Function	Page
@RBT	Reboot	29
@GLS / @SLS	Button security lockout	29
@GPW / @SPW	Power saving	29

■ **Status indication**

Command	Function	Page
@GIS	Input signal status	30
@GOS	Output signal status (For each channel)	32
@GES	Sink device EDID (For each channel)	34
@GHC	System status	36
@GPS	Power supply voltage status	37
@GST	Internal temperature status	37
@GIV	Device information	37

■ **Status notification**

Command	Function	Page
@GPH / @SPH	Unsolicited notification interval	38
@PSH	Unsolicited status notification	39
@AIN	Input signal status (For each channel)	40
@AOT	Output signal status (For each channel)	44
@GAA	Alarm status	50

### 3.3 Details of commands

This section describes commands for the VAC-S18U. Note that the numbers of outputs for other models are different from those of the VAC-S18U.

#### 3.3.1 Error status

@ERR		Error status
Description		Response in case the command is not executed
Response		@ERR, error ↵
Parameter		error: Error status 1 = Erroneous parameter format or value 2 = Undefined command or wrong format 3 = Currently cannot be used 4 = Reading EDID from the sink device failed
Getting example	Command	@VAC ↵
	Response	@ERR,2 ↵
	Description	@VAC is sent. Command format error
Remarks		—

### 3.3.2 EDID

@GED / @SED		Resolution
Getting	Command	@GED ↵
	Response	@GED, format ↵
Setting	Command	@SED, in, format ↵
	Response	@SED, in, format ↵
Parameter		format: EDID resolution 1 = External EDID,                                  2 = Copied EDID, 3 = 1080p,    4 = 720p, 5 = 1080i,     6 = SVGA (800x600), 7 = XGA (1024x768),                                 8 = VESA720 (1280x720), 9 = WXGA (1280x768),                             10 = WXGA (1280x800), 11 = Quad-VGA (1280x960),                      12 = SXGA (1280x1024), 13 = WXGA (1360x768),                           14 = WXGA (1366x768), 15 = SXGA+ (1400x1050),                         16 = WXGA+ (1440x900), 17 = WXGA++ (1600x900),                        18 = UXGA (1600x1200), 19 = WSXGA+ (1680x1050),                      20 = VESA1080 (1920x1080), 21 = WUXGA (1920x1200),                        22 = QWXGA (2048x1152), 23 = WQHD (2560x1440),                         24 = WQXGA (2560x1600), 41 = 2160p (24/25/30), 42 = 2160p (50/59.94/60, 4:2:0), 43 = 2160p (50/59.94/60, 4:4:4) [Default], 44 = 4096x2160 (24/25/30), 45 = 4096x2160 (50/59.94/60, 4:2:0), 46 = 4096x2160 (50/59.94/60, 4:4:4)
		in: Input channel "1" (fixed)
Getting example	Command	@GED ↵
	Response	@GED,3 ↵
	Description	Getting the EDID resolution 1080p
Setting example	Command	@SED,1,1 ↵
	Response	@SED,1,1 ↵
	Description	Setting the EDID resolution to External EDID Completed
Remarks		If selecting "1" (External EDID) or "2" (Copied EDID), execute " <b>@SEC External EDID</b> " or " <b>@RME Copying EDID</b> " beforehand, respectively.

<b>@GEC / @SEC</b>		<b>External EDID</b>
Getting	Command	@GEC ↵
	Response	@GEC, out ↵
Setting	Command	@SEC, in, out ↵
	Response	@SEC, in, out ↵
Parameter		out: External EDID channel 1 to 8 = OUT1 to OUT8
		in: Input channel "1" (fixed)
Getting example	Command	@GEC ↵
	Response	@GEC,1 ↵
	Description	Getting the external EDID channels EDID from OUT1
Setting example	Command	@SEC,1,2 ↵
	Response	@SEC,1,2 ↵
	Description	Setting external EDID reading channel to OUT2 Completed
Remarks		—

<b>@RME</b>		<b>Copying EDID</b>
Setting	Command	@RME, out, number ↵
	Response	@RME, out, number ↵
Parameter		out: Copied EDID channel 1 to 8 = OUT1 to OUT8
		number: Destination for saving copied EDID 1 to 3 = Destination 1 to Destination 3
Setting example	Command	@RME,1,1 ↵
	Response	@RME,1,1 ↵
	Description	Copying EDID of sink device that is connected to OUT1 to IN1 Completed
Remarks		—

<b>@GDI / @SDI</b>		<b>Deep Color</b>
Getting	Command	@GDI ↵
	Response	@GDI, color ↵
Setting	Command	@SDI, in, color ↵
	Response	@SDI, in, color ↵
Parameter		color: Color depth 0 = 24 bit/pixel (8 bit/component) [Default], 1 = 30 bit/pixel (10 bit/component), 2 = 36 bit/pixel (12 bit/component)
		in: Input channel "1" (fixed)
Getting example	Command	@GDI ↵
	Response	@GDI,0 ↵
	Description	Getting the color depth 24 bit/pixel (8 bit/component)
Setting example	Command	@SDI,1,1 ↵
	Response	@SDI,1,1 ↵
	Description	Setting the color depth to 30 bit/pixel (10 bit/component) Completed
Remarks		This command is valid only if " <b>@GED / @SED Resolution</b> " is set to "3" to "46" (Built-in EDID).



<b>@GAF / @SAF</b>		<b>Audio format</b>																								
Getting	Command	@GAF, in [↵]																								
	Response	@GAF, in, format_1, frequency_1, ... format_7, frequency_7 [↵]																								
Setting	Command	@SAF, in, format_1, frequency_1 (, format_2, frequency_2···) [↵]																								
	Response	@SAF, in, format_1, frequency_1 (, format_2, frequency_2···) [↵]																								
Parameter		<p>in: Input channel "1" (fixed)</p> <p>format_1-7: Audio format            0 = LPCM,                      1 = AC-3/Dolby Digital,    2 = AAC,            3 = Dolby Digital+,        4 = DTS,                      5 = DTS-HD,            6 = Dolby TrueHD</p> <p>frequency_1-7: Maximum sampling frequency            0 = OFF (Not output),    1 = 32 kHz,                      2 = 44.1 kHz,            3 = 48 kHz,                      4 = 88.2 kHz,                      5 = 96 kHz,            6 = 176.4 kHz,                      7 = 192 kHz</p> <table border="1"> <thead> <tr> <th>Audio format</th> <th>Maximum sampling frequency (kHz)</th> <th>Default</th> </tr> </thead> <tbody> <tr> <td>LPCM</td> <td>32/44.1/48/88.2/96/176.4/192</td> <td>48</td> </tr> <tr> <td>AC-3/Dolby Digital</td> <td>OFF/32/44.1/48</td> <td>OFF</td> </tr> <tr> <td>AAC</td> <td>OFF/32/44.1/48/88.2/96</td> <td>OFF</td> </tr> <tr> <td>Dolby Digital +</td> <td>OFF/32/44.1/48</td> <td>OFF</td> </tr> <tr> <td>DTS</td> <td>OFF/32/44.1/48/96</td> <td>OFF</td> </tr> <tr> <td>DTS-HD</td> <td>OFF/44.1/48/88.2/96/176.4/192</td> <td>OFF</td> </tr> <tr> <td>Dolby TrueHD</td> <td>OFF/44.1/48/88.2/96/176.4/192</td> <td>OFF</td> </tr> </tbody> </table>	Audio format	Maximum sampling frequency (kHz)	Default	LPCM	32/44.1/48/88.2/96/176.4/192	48	AC-3/Dolby Digital	OFF/32/44.1/48	OFF	AAC	OFF/32/44.1/48/88.2/96	OFF	Dolby Digital +	OFF/32/44.1/48	OFF	DTS	OFF/32/44.1/48/96	OFF	DTS-HD	OFF/44.1/48/88.2/96/176.4/192	OFF	Dolby TrueHD	OFF/44.1/48/88.2/96/176.4/192	OFF
Audio format	Maximum sampling frequency (kHz)	Default																								
LPCM	32/44.1/48/88.2/96/176.4/192	48																								
AC-3/Dolby Digital	OFF/32/44.1/48	OFF																								
AAC	OFF/32/44.1/48/88.2/96	OFF																								
Dolby Digital +	OFF/32/44.1/48	OFF																								
DTS	OFF/32/44.1/48/96	OFF																								
DTS-HD	OFF/44.1/48/88.2/96/176.4/192	OFF																								
Dolby TrueHD	OFF/44.1/48/88.2/96/176.4/192	OFF																								
Getting example	Command	@GAF,1 [↵]																								
	Response	@GAF,1,0,3,1,0,2,0,3,0,4,0,5,0,6,0 [↵]																								
	Description	Getting the audio format Maximum sampling frequency of LPCM: 48 kHz; other audio format: OFF																								
Setting example	Command	@SAF,1,0,7 [↵]																								
	Response	@SAF,1,0,7 [↵]																								
	Description	Setting the audio format and maximum sampling frequency to LPCM and 192 kHz Completed																								
Remarks		<ul style="list-style-type: none"> <li>Maximum settable sampling frequency depends on the audio format.</li> <li>LPCM output cannot be turned OFF.</li> <li>This command is valid only if "@GED / @SED Resolution" is set to "3" to "46" (Built-in EDID).</li> </ul>																								

@GSP / @SSP		Speaker configuration																														
Getting	Command	@GSP																														
	Response	@GSP, ch																														
Setting	Command	@SSP, in, ch																														
	Response	@SSP, in, ch																														
Parameter		<p>ch: Speaker configuration                      0 = LR [Default],                      1 = 2.1 channel surround sound,                      2 = 5.1 channel surround sound, 3 = 7.1 channel surround sound</p> <p>FL : Front Left                      FC : Front Center                      FR : Front Right                      RL : Rear Left                      RR : Rear Right                      RLC : Rear Left Center                      RRC : Rear Right Center                      LFE : Low Frequency Effect</p> <table border="1"> <thead> <tr> <th>Sound type</th> <th>FL/FR</th> <th>LFE</th> <th>FC</th> <th>RL/RR</th> <th>RLC/RRC</th> </tr> </thead> <tbody> <tr> <td>LR</td> <td>ON</td> <td>OFF</td> <td>OFF</td> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>2.1 channel surround sound</td> <td>ON</td> <td>ON</td> <td>OFF</td> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>5.1 channel surround sound</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>OFF</td> </tr> <tr> <td>7.1 channel surround sound</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>ON</td> </tr> </tbody> </table>	Sound type	FL/FR	LFE	FC	RL/RR	RLC/RRC	LR	ON	OFF	OFF	OFF	OFF	2.1 channel surround sound	ON	ON	OFF	OFF	OFF	5.1 channel surround sound	ON	ON	ON	ON	OFF	7.1 channel surround sound	ON	ON	ON	ON	ON
Sound type	FL/FR	LFE	FC	RL/RR	RLC/RRC																											
LR	ON	OFF	OFF	OFF	OFF																											
2.1 channel surround sound	ON	ON	OFF	OFF	OFF																											
5.1 channel surround sound	ON	ON	ON	ON	OFF																											
7.1 channel surround sound	ON	ON	ON	ON	ON																											
		in: Input channel "1" (fixed)																														
Getting example	Command	@GSP																														
	Response	@GSP,0																														
	Description	Getting the speaker configuration LR																														
Setting example	Command	@SSP,1,0																														
	Response	@SSP,1,0																														
	Description	Setting the speaker configuration to LR Completed																														
Remarks	This command is valid only if "@GED / @SED Resolution" is set to "3" to "46" (Built-in EDID).																															

<b>@GPA / @SPA</b>		<b>Copying CEC physical address</b>
Getting	Command	@GPA ↵
	Response	@GPA, copy ↵
Setting	Command	@SPA, in, copy ↵
	Response	@SPA, in, copy ↵
Parameter		copy: Copying CEC physical address 0 = Copying CEC physical address OFF [Default], 1 = Copying CEC physical address ON
		in: Input channel "1" (fixed)
Getting example	Command	@GPA ↵
	Response	@GPA,0 ↵
	Description	Getting copying CEC physical address OFF
Setting example	Command	@SPA,1,0 ↵
	Response	@SPA,1,0 ↵
	Description	Setting copying CEC physical address to OFF Completed
Remarks		This command is valid only if " <b>@GED / @SED Resolution</b> " is set to "3" to "46" (Built-in EDID).

<b>@GHZ / @SHZ</b>		<b>Frame rate</b>
Getting	Command	@GHZ ↵
	Response	@GHZ, mode ↵
Setting	Command	@SHZ, in, mode ↵
	Response	@SHZ, in, mode ↵
Parameter		mode: Frame rate 0 = 60 Hz/30 Hz [Default], 1 = 50 Hz/25 Hz
		in: Input channel "1" (fixed)
Getting example	Command	@GHZ ↵
	Response	@GHZ,0 ↵
	Description	Getting the frame rate 60 Hz/30 Hz
Setting example	Command	@SHZ,1,0 ↵
	Response	@SHZ,1,0 ↵
	Description	Setting the frame rate to 60 Hz/30 Hz Completed
Remarks		This command is valid only if " <b>@GED / @SED Resolution</b> " is set to "3" to "46" (Built-in EDID).

### 3.3.3 Audio

<b>@GAW / @SAW</b>		<b>Stable audio input wait</b>
Getting	Command	@GAW ↵
	Response	@GAW, mode ↵
Setting	Command	@SAW, in, mode ↵
	Response	@SAW, in, mode ↵
Parameter		mode: Waiting time 0 = OFF, 1 = Short, 2 = Middle [Default], 3 = Long
		in: Input channel "1" (fixed)
Getting example	Command	@GAW ↵
	Response	@GAW,1 ↵
	Description	Getting the stable audio input wait time Short
Setting example	Command	@SAW,1,0 ↵
	Response	@SAW,1,0 ↵
	Description	Disabling stable audio input waiting time Completed
Remarks		—

<b>@GUC / @SUC</b>		<b>Outputting audio</b>
Getting	Command	@GUC ↵
	Response	@GUC, mode_1, ... mode_8 ↵
Setting	Command	@SUC, out_1, mode_1 (, out_2, mode_2...) ↵
	Response	@SUC, out_1, mode_1 (, out_2, mode_2...) ↵
Parameter		mode_1-8: Digital audio output 0 = Not outputting audio, 1 = Audio output [Default]
		out_1-8: Output channel 0 = All outputs, 1 to 8 = OUT1 to OUT8
Getting example	Command	@GUC ↵
	Response	@GUC,1,1,1,1,1,1,1,1 ↵
	Description	Getting the digital audio output All output channels: Enabled
Setting example	Command	@SUC,0,0 ↵
	Response	@SUC,0,0 ↵
	Description	Setting all outputs' digital audio to not output audio Completed
Remarks		—

### 3.3.4 Input

<b>@GHE / @SHE</b>		<b>HDCP input</b>
Getting	Command	@GHE ↵
	Response	@GHE, hdcp ↵
Setting	Command	@SHE, in, hdcp ↵
	Response	@SHE, in, hdcp ↵
Parameter		hdcp: HDCP input enabled/disabled 0 = DISABLE (Disabled), 1 = HDCP 1.4 (Enabled), 2 = HDCP 2.2 and HDCP 1.4 (Enabled) [Default]
		in: Input channel "1" (fixed)
Getting example	Command	@GHE ↵
	Response	@GHE,1 ↵
	Description	Getting the HDCP input enabled/disabled HDCP 1.4 enabled
Setting example	Command	@SHE,1,0 ↵
	Response	@SHE,1,0 ↵
	Description	Setting the HDCP input to be disabled Completed
Remarks		—

<b>@GDT / @SDT</b>		<b>No-signal input monitoring</b>
Getting	Command	@GDT ↵
	Response	@GDT, time ↵
Setting	Command	@SDT, in, time ↵
	Response	@SDT, in, time ↵
Parameter		time: No-signal input monitoring time 0 = OFF, 2 to 15 = 2 sec. to 15 sec. [Default] 10sec.
		in: Input channel "1" (fixed)
Getting example	Command	@GDT ↵
	Response	@GDT,10 ↵
	Description	Getting the no-signal input monitoring time 10 seconds
Setting example	Command	@SDT,1,4 ↵
	Response	@SDT,1,4 ↵
	Description	Setting the monitoring time to 4 seconds Completed
Remarks		—

### 3.3.5 Output

@GMK / @SMK		Hot plug ignoring duration
Getting	Command	@GMK ↵
	Response	@GMK, mask_1, ... mask_8 ↵
Setting	Command	@SMK, out_1, mask_1 (, out_2, mask_2...) ↵
	Response	@SMK, out_1, mask_1 (, out_2, mask_2...) ↵
Parameter		mask_1-8: Hot plug ignoring duration 1 = OFF [Default], 2 to 15 = 2 sec. to 15 sec.
		out_1-8: Output channel 0 = All outputs, 1 to 8 = OUT1 to OUT8
Getting example	Command	@GMK ↵
	Response	@GMK,1,1,1,1,1,1,1,1 ↵
	Description	Getting the hot plug ignoring duration All output channels: OFF
Setting example	Command	@SMK,0,1 ↵
	Response	@SMK,0,1 ↵
	Description	Setting the hot plug ignoring duration of all output channels to OFF Completed
Remarks		—

@GHM / @SHM		Sink device EDID check
Getting	Command	@GHM ↵
	Response	@GHM, mode_1, ... mode_8 ↵
Setting	Command	@SHM, out_1, mode_1 (, out_2, mode_2...) ↵
	Response	@SHM, out_1, mode_1 (, out_2, mode_2...) ↵
Parameter		mode_1-8: Sink device EDID check method 0 = In case of EDID read error, the sink device is treated as a DVI device [Default], 1 = In case of EDID read error, the sink device is treated as a HDMI device without SCDC, 2 = Always treats sink device as a HDMI device without SCDC, 3 = In case of EDID read error, the sink device is treated as a HDMI device with SCDC, 4 = Always treats sink device as a HDMI device with SCDC
		out_1-8: Output channel 0 = All outputs, 1 to 8 = OUT1 to OUT8
Getting example	Command	@GHM ↵
	Response	@GHM,0,0,0,0,0,0,0,0 ↵
	Description	Getting the sink device EDID check All output channels: "0" (In case of EDID read error, the sink device is treated as a DVI device.)
Setting example	Command	@SHM,0,0 ↵
	Response	@SHM,0,0 ↵
	Description	Setting the sink device EDID check method of all output channels to "0" (In case of EDID read error, the sink device is treated as a DVI device.) Completed
Remarks		—

<b>@GDM / @SDM</b>		<b>Output format</b>
Getting	Command	@GDM ↵
	Response	@GDM, mode_1, ... mode_8 ↵
Setting	Command	@SDM, out_1, mode_1 (, out_2, mode_2...) ↵
	Response	@SDM, out_1, mode_1 (, out_2, mode_2...) ↵
Parameter		mode_1-8: Output format 0 = FOLLOW SINK DEVICE [Default], 1 = HDMI RGB MODE, 2 = HDMI YCbCr 4:2:2 MODE, 3 = HDMI YCbCr 4:4:4 MODE, 4 = DVI MODE, 5 = HDMI YCbCr 4:2:0 MODE  out_1-8: Output channel 0 = All outputs, 1 to 8 = OUT1 to OUT8
Getting example	Command	@GDM ↵
	Response	@GDM,0,0,0,0,0,0,0,0 ↵
	Description	Getting the output format All output channels: FOLLOW SINK DEVICE
Setting example	Command	@SDM,0,0
	Response	@SDM,0,0
	Description	Setting the output format of all output channels to FOLLOW SINK DEVICE Completed
Remarks		"HDMI YCbCr 4:2:0 MODE" is enabled when 4K@50/59.94/60 is output. When 4K@50/59.94/60 signal is input, the VAC-S outputs the signal at YCbCr 4:2:0 to the sink device supporting YCbCr 4:2:0 (not supporting YCbCr 4:4:4).

<b>@GDN / @SDN</b>		<b>Downconversion output</b>
Getting	Command	@GDN ↵
	Response	@GDN, down ↵
Setting	Command	@SDN, out, down ↵
	Response	@SDN, out, down ↵
Parameter		down: Downconversion output 0 = FOLLOW SINK DEVICE [Default], 1 = OFF, 2 = ON (1080p)  out: Output channel 1 = OUT1 [Fixed]
Getting example	Command	@GDN ↵
	Response	@GDN,0 ↵
	Description	Getting the downconversion output FOLLOW SINK DEVICE
Setting example	Command	@SDN,1,0 ↵
	Response	@SDN,1,0 ↵
	Description	Setting the downconversion output to FOLLOW SINK DEVICE Completed
Remarks		—



<b>@GOO / @SOO</b>		<b>Presence of output signal for when signal is input</b>
Getting	Command	@GOO ↵
	Response	@GOO, mode_1, ... mode_8 ↵
Setting	Command	@SOO, out, mode ↵
	Response	@SOO, out, mode ↵
Parameter		mode_1-8, mode: Output signal 0 = Video output ON, Audio output ON [Default], 1 = Video output OFF, Audio output OFF, 2 = Black output ON, Audio output OFF, 3 = Black output ON, Audio output ON, 4 = Video output ON, Audio output OFF out: Output channel 0 = All outputs, 1 to 8 = OUT1 to OUT8
Getting example	Command	@GOO ↵
	Response	@GOO,1,1,1,1,1,1,1,1 ↵
	Description	Getting output signal setting All output channels: Video output OFF, Audio output OFF
Setting example	Command	@SOO,0,4 ↵
	Response	@SOO,0,4 ↵
	Description	Setting all output channels to "4" (Video output ON, Audio output OFF) Completed
Remarks		This setting can be enabled or disabled by setting " <b>@GOE / @SOE Applying @SOO setting</b> ".

<b>@GOE / @SOE</b>		<b>Applying @SOO setting</b>
Getting	Command	@GOE ↵
	Response	@GOE, mode ↵
Setting	Command	@SOE, mode ↵
	Response	@SOE, mode ↵
Parameter		mode: Switching output signal mode setting 0 = Disabled [Default] Video output ON, Audio output ON 1 = Enabled The "@GOO / @SOO" setting is applied
Getting example	Command	@GOE ↵
	Response	@GOE,1 ↵
	Description	Getting output signal settings Enabled
Setting example	Command	@SOE,1 ↵
	Response	@SOE,1 ↵
	Description	Enabling switching output signal settings Completed
Remarks		If " <b>@GOO / @SOO Presence of output signal for when signal is input</b> " is set to a value other than "0", this setting is enabled automatically, and it can be switched Enabled/Disabled by using the setting command.

@GDP / @SDP		Presence of output signal for when no signal is input
Getting	Command	@GDP ↵
	Response	@GDP, power_1, time_1, ... , power_8, time_8 ↵
Setting	Command	@SDP, out_1, power_1, time_1 (, out_2, power_2, time_2 ... ) ↵
	Response	@SDP, out_1, power_1, time_1 (, out_2, power_2, time_2 ... ) ↵
Parameter		power_1-8: Output signal for when no signal is input 0 = +5 V signal OFF, 1 = +5 V signal ON [Default]
		time_1-8: Time from when no signal is input to +5 V signal OFF 0 to 60 = 0 sec. to 60 sec.
		out_1-8: Output channel 0 = All outputs, 1 to 8 = OUT1 to OUT8
Getting example	Command	@GDP ↵
	Response	@GDP,0,7,0,7,0,7,0,7,0,7,0,7,0,7,0,7 ↵
	Description	Getting output signal setting for when no input video All output channels: Turn off +5 V signal after 7 seconds from when no video signal is input.
Setting example	Command	@SDP,0,1,0 ↵
	Response	@SDP,0,1,0 ↵
	Description	Setting all output channels to output +5 V signal ON for when no signal is input Completed
Remarks		If selecting "1" (+5 V signal ON), the time from when no signal is input to +5 V signal OFF is ignored.

### 3.3.6 LAN

<b>@GIP / @SIP</b>		<b>IP address</b>
Getting	Command	@GIP ↵
	Response	@GIP, unit_1, unit_2, unit_3, unit_4 ↵
Setting	Command	@SIP, unit_1, unit_2, unit_3, unit_4 ↵
	Response	@SIP, unit_1, unit_2, unit_3, unit_4 ↵
Parameter		unit_1 to unit_4: Upper bit of the IP address to Lower bit of the IP address 0 to 255 = 8 bit (Decimal notation) [Default]192.168.1.199
Getting example	Command	@GIP ↵
	Response	@GIP,192,168,1,200 ↵
	Description	Getting the IP address of the VAC-S 192.168.1.200
Setting example	Command	@SIP,192,169,1,200 ↵
	Response	@SIP,192,169,1,200 ↵
	Description	Setting the IP address to 192.168.1.200 Completed
Remarks		LAN setting is changed, the communication may be disabled. Change the environmental settings based on the VAC-S settings.

<b>@GSB / @SSB</b>		<b>Subnet mask</b>
Getting	Command	@GSB ↵
	Response	@GSB, unit_1, unit_2, unit_3, unit_4 ↵
Setting	Command	@SSB, unit_1, unit_2, unit_3, unit_4 ↵
	Response	@SSB, unit_1, unit_2, unit_3, unit_4 ↵
Parameter		unit_1 to unit_4: Upper bit of the subnet mask to Lower bit of the subnet mask 0 to 255 = 8 bit (Decimal notation) [Default] 255.255.255.0
Getting example	Command	@GSB ↵
	Response	@GSB,255,255,255,0 ↵
	Description	Getting the subnet mask of the VAC-S 255.255.255.0
Setting example	Command	@SSB,255,255,255,254 ↵
	Response	@SSB,255,255,255,254 ↵
	Description	Setting the subnet mask of the VAC-S to 255.255.255.254 Completed
Remarks		LAN setting is changed, the communication may be disabled. Change the environmental settings based on the VAC-S settings.

<b>@GLP / @SLP</b>		<b>TCP port number</b>
Getting	Command	@GLP ↵
	Response	@GLP, port, add ↵
Setting	Command	@SLP, port, add ↵
	Response	@SLP, port, add ↵
Parameter		port: Port number 1100 [Default], 6000 to 6999 add: 8-connection setting 0 = 8-connection setting OFF [Default] (WEB browser 4 connections/communication command control 4 connections), 1 = 8-connection setting ON (Communication command control 8-connection)
Getting example	Command	@GLP ↵
	Response	@GLP,1100,0 ↵
	Description	Getting the TCP port number 1100; 8 connection setting disabled
Setting example	Command	@SLP,1100,0 ↵
	Response	@SLP,1100,0 ↵
	Description	Setting the port number and 8-connection setting to 1100 and OFF, respectively Completed
Remarks		LAN setting is changed, the communication may be disabled. Change the environmental settings based on the VAC-S settings.

<b>@GMC</b>		<b>MAC address</b>
Getting	Command	@GMC ↵
	Response	@GMC, unit_1, unit_2, unit_3, unit_4, unit_5, unit_6 ↵
Parameter		unit_1 to unit_6: Upper bit of the MAC address to Lower bit of the MAC address 00 to FF = 8 bit (in hexadecimal)
Getting example	Command	@GMC ↵
	Response	@GMC,00,08,E5,6A,00,01 ↵
	Description	Getting the MAC address 00-08-E5-6A-00-01
Remarks		—

### 3.3.7 Configuring VAC-S

<b>@RBT</b>		<b>Reboot</b>
Setting	Command	@RBT ↵
	Response	—
Parameter		—
Setting example	Command	@RBT ↵
	Response	—
	Description	Rebooting the VAC-S
Remarks		—

<b>@GLS / @SLS</b>		<b>Button security lockout</b>
Getting	Command	@GLS ↵
	Response	@GLS, lock ↵
Setting	Command	@SLS, lock ↵
	Response	@SLS, lock ↵
Parameter		lock: Front panel security lockout 0 = Unlocking [Default], 1 = Locking
Getting example	Command	@GLS ↵
	Response	@GLS,1 ↵
	Description	Getting the lock status Locked
Setting example	Command	@SLS,1 ↵
	Response	@SLS,1 ↵
	Description	Enabling the front panel security lockout Completed
Remarks		—

<b>@GPW / @SPW</b>		<b>Power saving</b>
Getting	Command	@GPW ↵
	Response	@GPW, mode ↵
Setting	Command	@SPW, mode ↵
	Response	@SPW, mode ↵
Parameter		mode: Power saving 0 = Disabled [Default], 1 = Enabled
Getting example	Command	@GPW ↵
	Response	@GPW,1 ↵
	Description	Getting power saving mode Enabled
Setting example	Command	@SPW,1 ↵
	Response	@SPW,1 ↵
	Description	Enabling power saving Completed
Remarks		—

### 3.3.8 Status indication

@GIS		Input signal status																								
Getting	Command	@GIS, in, mode ↵																								
	Response	@GIS, in, mode, status_1 (, status_2, status_3, status_4, status_5, status_6) ↵																								
Parameter	in: Input channel "1" (fixed)																									
	mode: Target status 0 = All statuses of input signals, 1 = Input mode/Input color depth, 2 = Input resolution/Vertical sync frequency, 3 = Input color space, 4 = Audio input type/Audio input sampling frequency, 5 = Presence of HDCP, 6 = Scrambling of input signal																									
	status_1: Input mode/Input color depth																									
	<table border="1"> <thead> <tr> <th>Input mode</th> <th>Description</th> <th>Input color depth</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>d</td> <td>DVI signal, without HDCP</td> <td>24</td> <td>24 bit/pixel (8 bit/component)</td> </tr> <tr> <td>D</td> <td>DVI signal, with HDCP</td> <td>30</td> <td>30 bit/pixel (10 bit/component)</td> </tr> <tr> <td>h</td> <td>HDMI signal, without HDCP</td> <td>36</td> <td>36 bit/pixel (12 bit/component)</td> </tr> <tr> <td>H</td> <td>HDMI signal, with HDCP</td> <td></td> <td></td> </tr> <tr> <td>N</td> <td>No signal is input.</td> <td></td> <td></td> </tr> </tbody> </table>		Input mode	Description	Input color depth	Description	d	DVI signal, without HDCP	24	24 bit/pixel (8 bit/component)	D	DVI signal, with HDCP	30	30 bit/pixel (10 bit/component)	h	HDMI signal, without HDCP	36	36 bit/pixel (12 bit/component)	H	HDMI signal, with HDCP			N	No signal is input.		
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status_2: Input resolution/Vertical sync frequency																										
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1920x1080p 59.94Hz</td> <td>1080p@59.94</td> </tr> <tr> <td>1600x1200p 60Hz</td> <td>UXGA@60</td> </tr> <tr> <td>NO SIGNAL</td> <td>No signal is input.</td> </tr> </tbody> </table>		Value	Description	1920x1080p 59.94Hz	1080p@59.94	1600x1200p 60Hz	UXGA@60	NO SIGNAL	No signal is input.																	
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YCbCr 4:4:4	YCbCr 4:4:4 input																									
YCbCr 4:2:0	YCbCr 4:2:0 input																									
NO SIGNAL	No signal is input.																									

@GIS		Input signal status (Cont'd)																														
Parameter		<p>status_4: Audio input type/Audio input sampling frequency</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>L-PCM 48kHz &lt;SP&gt;*</td> <td>2-channel L PCM 48 kHz</td> </tr> <tr> <td>L-PCM 48kHz M</td> <td>Multi-channel LPCM 48 kHz</td> </tr> <tr> <td>COMPRESSED AUDIO</td> <td>Compressed audio</td> </tr> <tr> <td>NO AUDIO</td> <td>No audio is input</td> </tr> </tbody> </table> <p>*&lt;SP&gt;: One-byte space</p> <p>status_5: Presence of HDCP</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HDCP 1.4</td> <td>HDCP 1.4 signal</td> </tr> <tr> <td>HDCP 2.2</td> <td>HDCP 2.2 no stream type or undefined signal is input</td> </tr> <tr> <td>HDCP 2.2 Type0</td> <td>HDCP 2.2 stream Type 0 signal</td> </tr> <tr> <td>HDCP 2.2 Type1</td> <td>HDCP 2.2 stream Type 1 signal</td> </tr> <tr> <td>NO SIGNAL</td> <td>No signal is input.</td> </tr> </tbody> </table> <p>status_6: Scrambling of input signal</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SCRAMBLE ON</td> <td>Scrambled</td> </tr> <tr> <td>SCRAMBLE OFF</td> <td>Not scrambled</td> </tr> <tr> <td>NO SIGNAL</td> <td>No signal is input.</td> </tr> </tbody> </table>	Value	Description	L-PCM 48kHz <SP>*	2-channel L PCM 48 kHz	L-PCM 48kHz M	Multi-channel LPCM 48 kHz	COMPRESSED AUDIO	Compressed audio	NO AUDIO	No audio is input	Value	Description	HDCP 1.4	HDCP 1.4 signal	HDCP 2.2	HDCP 2.2 no stream type or undefined signal is input	HDCP 2.2 Type0	HDCP 2.2 stream Type 0 signal	HDCP 2.2 Type1	HDCP 2.2 stream Type 1 signal	NO SIGNAL	No signal is input.	Value	Description	SCRAMBLE ON	Scrambled	SCRAMBLE OFF	Not scrambled	NO SIGNAL	No signal is input.
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Getting example	Command Response	@GIS,1,0 ↵ @GIS,1,0,H24,1920x1080p 59.94Hz,YCbCr 4:4:4,L-PCM 48kHz M,HDCP 1.4,SCRAMBLE OFF ↵																														
	Description	Getting all input signal statuses - Input mode : HDMI mode - Input color depth : 24 bit/pixel (8 bit/component) - Input resolution/Vertical sync frequency : 1080p@59.94 - Input color space : YCbCr 4:4:4 - Audio input type/Audio input sampling frequency : Multi-channel LPCM 48 kHz - Presence of HDCP : HDCP 1.4 - Scrambling of input signal : Not scrambled																														
Remarks		—																														

<b>@GOS</b>		<b>Output signal status (For each channel)</b>												
Getting	Command	@GOS, out, mode 📄												
	Response	@GOS, out, mode, status_1 (, status_2, status_3, status_4, status_5, status_6, status_7, status_8) 📄												
Parameter	out: Output channel 1 to 8 = OUT1 to OUT8													
	mode: Target status 0 = All statuses of sink device,                      1 = HDCP of sink device, 2 = HDCP authentication between the VAC-S and sink device, 3 = HDCP output,    4 = HDMI/DVI output, 5 = Color space output,    6 = Color range output, 7 = Color depth output,    8 = Scrambling output													
	status_1: HDCP of sink device													
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status_2: HDCP authentication between the VAC-S and sink device														
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status_4: HDMI/DVI output														
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Value	Description													
HDMI MODE	HDMI output													
DVI MODE	DVI output													
UNCONNECTED	Sink device is not connected.													



@GOS		Output signal status (For each channel) (Cont'd)												
Parameter	status_5: Color space output													
	<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>RGB</td> <td>RGB output</td> </tr> <tr> <td>YCbCr 4:2:2</td> <td>YCbCr 4:2:2 output</td> </tr> <tr> <td>YCbCr 4:2:0</td> <td>YCbCr 4:2:0 output</td> </tr> <tr> <td>YCbCr 4:4:4</td> <td>YCbCr 4:4:4 output</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>		Value	Description	RGB	RGB output	YCbCr 4:2:2	YCbCr 4:2:2 output	YCbCr 4:2:0	YCbCr 4:2:0 output	YCbCr 4:4:4	YCbCr 4:4:4 output	UNCONNECTED	Sink device is not connected.
	Value	Description												
	RGB	RGB output												
	YCbCr 4:2:2	YCbCr 4:2:2 output												
YCbCr 4:2:0	YCbCr 4:2:0 output													
YCbCr 4:4:4	YCbCr 4:4:4 output													
UNCONNECTED	Sink device is not connected.													
status_6: Color range output														
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>FULL RANGE</td> <td>Full range output</td> </tr> <tr> <td>LIMITED RANGE</td> <td>Limited range output</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>		Value	Description	FULL RANGE	Full range output	LIMITED RANGE	Limited range output	UNCONNECTED	Sink device is not connected.					
Value	Description													
FULL RANGE	Full range output													
LIMITED RANGE	Limited range output													
UNCONNECTED	Sink device is not connected.													
status_7: Color depth output														
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>24 BIT COLOR</td> <td>24 bit/pixel (8 bit/component) output</td> </tr> <tr> <td>30 BIT COLOR</td> <td>30 bit/pixel (10 bit/component) output</td> </tr> <tr> <td>36 BIT COLOR</td> <td>36 bit/pixel (12 bit/component) output</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>		Value	Description	24 BIT COLOR	24 bit/pixel (8 bit/component) output	30 BIT COLOR	30 bit/pixel (10 bit/component) output	36 BIT COLOR	36 bit/pixel (12 bit/component) output	UNCONNECTED	Sink device is not connected.			
Value	Description													
24 BIT COLOR	24 bit/pixel (8 bit/component) output													
30 BIT COLOR	30 bit/pixel (10 bit/component) output													
36 BIT COLOR	36 bit/pixel (12 bit/component) output													
UNCONNECTED	Sink device is not connected.													
status_8: Scrambling output														
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SCRAMBLE ON</td> <td>Scrambled</td> </tr> <tr> <td>SCRAMBLE OFF</td> <td>Not scrambled</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>		Value	Description	SCRAMBLE ON	Scrambled	SCRAMBLE OFF	Not scrambled	UNCONNECTED	Sink device is not connected.					
Value	Description													
SCRAMBLE ON	Scrambled													
SCRAMBLE OFF	Not scrambled													
UNCONNECTED	Sink device is not connected.													
Getting example	Command Response	@GOS,1,0 ↵ @GOS,1,0,HDCP 1.4 SUPPORT,HDCP OK,HDCP 1.4,HDMI MODE,RGB, FULL RANGE,24 BIT COLOR,SCRAMBLE OFF ↵												
	Description	Getting all statuses of OUT1 sink device - HDCP : Device with HDCP 1.4 is connected. - HDCP authentication : Completed - HDCP output : HDCP 1.4 output - HDMI/DVI output : HDMI output - Color space output : RGB output - Color range output : Full range output - Color depth output : 24bit/pixel (8bit/component) output - Scrambling output : OFF												
Remarks		—												

@GES		Sink device EDID (For each channel)									
Getting	Command	@GES, out, mode ↵									
	Response	@GES, out, mode, status_1 (, status_2, status_3, status_4, status_5, status_6, status_7) ↵									
Parameter	out: Output channel 1 to 8 = OUT1 to OUT8										
	mode: Target status 0 = All EDID information of sink device, 1 = Sink device name, 2 = Resolution/Dot clock, 3 = HDMI support status/Color space/Color depth, 4 = Audio support status/Sampling frequency/Bit length/ The number of channels/Support status of compressed audio, 5 = SCDC, 6 = HDR, 7 = 3D										
	status_1: Sink device name										
	<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>VAC-S18U</td> <td>A sink device named "VAC-S18U" is connected.</td> </tr> <tr> <td>EDID READ ERROR</td> <td>Sink device EDID recall error</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>		Value	Description	VAC-S18U	A sink device named "VAC-S18U" is connected.	EDID READ ERROR	Sink device EDID recall error	UNCONNECTED	Sink device is not connected.	
Value	Description										
VAC-S18U	A sink device named "VAC-S18U" is connected.										
EDID READ ERROR	Sink device EDID recall error										
UNCONNECTED	Sink device is not connected.										
status_2: Resolution/Dot clock											
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3840x2160 594.00MHz</td> <td>A sink device supporting 3840x2160 (resolution) and 594.00 MHz (dot clock) is connected.</td> </tr> <tr> <td>EDID READ ERROR</td> <td>Sink device EDID recall error</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>		Value	Description	3840x2160 594.00MHz	A sink device supporting 3840x2160 (resolution) and 594.00 MHz (dot clock) is connected.	EDID READ ERROR	Sink device EDID recall error	UNCONNECTED	Sink device is not connected.		
Value	Description										
3840x2160 594.00MHz	A sink device supporting 3840x2160 (resolution) and 594.00 MHz (dot clock) is connected.										
EDID READ ERROR	Sink device EDID recall error										
UNCONNECTED	Sink device is not connected.										
status_3: HDMI support status/Color space/Color depth											
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>DVI-RGB-24BIT COLOR</td> <td>A sink device that does not support HDMI signal is connected.</td> </tr> <tr> <td>HDMI-RGB/YCbCr422/YCbCr444-24/30BIT COLOR</td> <td>A sink device supporting HDMI signal is connected. Supported sampling structure (RGB, YCbCr 4:2:2, YCbCr 4:4:4) and color depth (24, 30, 36) are returned.</td> </tr> <tr> <td>EDID READ ERROR</td> <td>Sink device EDID recall error</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>		Value	Description	DVI-RGB-24BIT COLOR	A sink device that does not support HDMI signal is connected.	HDMI-RGB/YCbCr422/YCbCr444-24/30BIT COLOR	A sink device supporting HDMI signal is connected. Supported sampling structure (RGB, YCbCr 4:2:2, YCbCr 4:4:4) and color depth (24, 30, 36) are returned.	EDID READ ERROR	Sink device EDID recall error	UNCONNECTED	Sink device is not connected.
Value	Description										
DVI-RGB-24BIT COLOR	A sink device that does not support HDMI signal is connected.										
HDMI-RGB/YCbCr422/YCbCr444-24/30BIT COLOR	A sink device supporting HDMI signal is connected. Supported sampling structure (RGB, YCbCr 4:2:2, YCbCr 4:4:4) and color depth (24, 30, 36) are returned.										
EDID READ ERROR	Sink device EDID recall error										
UNCONNECTED	Sink device is not connected.										

@GES	Sink device EDID (For each channel) (Cont'd)										
Parameter	<p>status_4: Audio support status/Sampling frequency/Bit length/ The number of channels/Support status of compressed audio</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>AUDIO NOT SUPPORT</td> <td>A sink device that does not support audio signal is connected.</td> </tr> <tr> <td>LINEAR PCM -32/44.1/48kHz -16/20/24BIT -8CHANNEL</td> <td>A sink devices supporting audio signal is connected. Supporting sampling frequency (32, 44.1, 48, 88.2, 96, 176.4, 192), the number of bits (16, 20, 24), the number of channels (1 to 8), and compressed audio support status are returned.</td> </tr> <tr> <td>EDID READ ERROR</td> <td>Sink device EDID recall error</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>	Value	Description	AUDIO NOT SUPPORT	A sink device that does not support audio signal is connected.	LINEAR PCM -32/44.1/48kHz -16/20/24BIT -8CHANNEL	A sink devices supporting audio signal is connected. Supporting sampling frequency (32, 44.1, 48, 88.2, 96, 176.4, 192), the number of bits (16, 20, 24), the number of channels (1 to 8), and compressed audio support status are returned.	EDID READ ERROR	Sink device EDID recall error	UNCONNECTED	Sink device is not connected.
Value	Description										
AUDIO NOT SUPPORT	A sink device that does not support audio signal is connected.										
LINEAR PCM -32/44.1/48kHz -16/20/24BIT -8CHANNEL	A sink devices supporting audio signal is connected. Supporting sampling frequency (32, 44.1, 48, 88.2, 96, 176.4, 192), the number of bits (16, 20, 24), the number of channels (1 to 8), and compressed audio support status are returned.										
EDID READ ERROR	Sink device EDID recall error										
UNCONNECTED	Sink device is not connected.										
	<p>status_5: SCDC</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SCDC SUPPORT</td> <td>SCDC supported.</td> </tr> <tr> <td>SCDC NOT SUPPORT</td> <td>SCDC is not supported.</td> </tr> <tr> <td>EDID READ ERROR</td> <td>Sink device EDID recall error</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>	Value	Description	SCDC SUPPORT	SCDC supported.	SCDC NOT SUPPORT	SCDC is not supported.	EDID READ ERROR	Sink device EDID recall error	UNCONNECTED	Sink device is not connected.
Value	Description										
SCDC SUPPORT	SCDC supported.										
SCDC NOT SUPPORT	SCDC is not supported.										
EDID READ ERROR	Sink device EDID recall error										
UNCONNECTED	Sink device is not connected.										
	<p>status_6: HDR</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HDR SUPPORT</td> <td>HDR supported.</td> </tr> <tr> <td>HDR NOT SUPPORT</td> <td>HDR is not supported.</td> </tr> <tr> <td>EDID READ ERROR</td> <td>Sink device EDID recall error</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>	Value	Description	HDR SUPPORT	HDR supported.	HDR NOT SUPPORT	HDR is not supported.	EDID READ ERROR	Sink device EDID recall error	UNCONNECTED	Sink device is not connected.
Value	Description										
HDR SUPPORT	HDR supported.										
HDR NOT SUPPORT	HDR is not supported.										
EDID READ ERROR	Sink device EDID recall error										
UNCONNECTED	Sink device is not connected.										
	<p>status_7: 3D</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3D SUPPORT</td> <td>3D supported.</td> </tr> <tr> <td>3D NOT SUPPORT</td> <td>3D is not supported.</td> </tr> <tr> <td>EDID READ ERROR</td> <td>Sink device EDID recall error</td> </tr> <tr> <td>UNCONNECTED</td> <td>Sink device is not connected.</td> </tr> </tbody> </table>	Value	Description	3D SUPPORT	3D supported.	3D NOT SUPPORT	3D is not supported.	EDID READ ERROR	Sink device EDID recall error	UNCONNECTED	Sink device is not connected.
Value	Description										
3D SUPPORT	3D supported.										
3D NOT SUPPORT	3D is not supported.										
EDID READ ERROR	Sink device EDID recall error										
UNCONNECTED	Sink device is not connected.										

<b>@GES</b>		<b>Sink device EDID (For each channel) (Cont'd)</b>
Getting example	Command	@GES,1,0
	Response	@GES,1,0, VAC-S18U,3840x2160 594.00MHz, HDMI-RGB/YCbCr422/YCbCr444/YCbCr420-24/30/36BIT COLOR, LINEAR PCM-32/44.1/48kHz-16/20/24BIT-2CHANNEL,SCDC SUPPORT, HDR NOT SUPPORT,3D NOT SUPPORT
	Description	Getting all EDID information of the sink device connected to OUT1 - Sink device name : VAC-S18U - Resolution : 3840x2160 - Dot clock : 594.00 MHz - HDMI : Supported - Color space : RGB/YCbCr 4:2:2/YCbCr 4:4:4/YCbCr 4:2:0 - Color depth : 24/30/36 BIT COLOR - Audio format : LINEAR PCM - Sampling frequency : 32/44.1/48 kHz - Bit length : 16/20/24 bit - The number of channels : 2-channel - SCDC : Supported - HDR : Not supported - 3D : Not supported
Remarks		

<b>@GHC</b>		<b>System status</b>
Getting example	Command	@GHC
	Response	@GHC, voltage, temp
Parameter		voltage: Power supply voltage status 0 = Normal, 1 = Abnormal
		temp: Internal temperature status 0 = Normal, 1 = Abnormal
Getting example	Command	@GHC
	Response	@GHC,0,0
	Description	Getting the system check result Normal
Remarks		—

<b>@GPS</b>		<b>Power supply voltage status</b>
Getting	Command	@GPS ↵
	Response	@GPS, voltage, status ↵
Parameter		voltage: Power voltage = Power voltage level x 1000 e.g.) 12.210 V: 12210
		status: Power voltage status 0 = Normal, 1 = Abnormal
Getting example	Command	@GPS ↵
	Response	@GPS,12210,0 ↵
	Description	Getting the power voltage and status Voltage: 12.210 V; status: Normal
Remarks		—



<b>@GST</b>		<b>Internal temperature status</b>
Getting	Command	@GST ↵
	Response	@GST, temp, status ↵
Parameter		temp: Internal temperature value The value of temperature x 100 e.g.) 38.75°C: 3875
		status: Internal temperature status 0 = Normal, 1 = Abnormal
Getting example	Command	@GST ↵
	Response	@GST,3425,0 ↵
	Description	Getting the internal temperature and status Temperature: 34.25°C; status: Normal
Remarks		—

<b>@GIV</b>		<b>Device information</b>
Getting	Command	@GIV ↵
	Response	@GIV, id, version, ↵
Parameter		id : Model number
		version : Firmware version
Getting example	Command	@GIV ↵
	Response	@GIV,VAC-S18U,01.00.00 ↵
	Description	Getting the product information Model number: VAC-S18U; Firmware version: 01.00.00
Remarks		—

### 3.3.9 Status notification

@GPH / @SPH		Unsolicited notification interval																																																																										
Getting	Command	@GPH																																																																										
	Response	@GPH, time																																																																										
Setting	Command	@SPH, time																																																																										
	Response	@SPH, time																																																																										
Parameter		time: Unsolicited notification interval 0 = OFF [Default], 1 to 50 = 100 (ms.) to 5000 (ms.)																																																																										
		<table border="1"> <thead> <tr> <th>time</th> <th>ON/OFF</th> <th>Interval</th> </tr> </thead> <tbody> <tr><td>0:</td><td>OFF</td><td>—</td></tr> <tr><td>1:</td><td>ON</td><td>100 (ms.)</td></tr> <tr><td>2:</td><td>ON</td><td>200 (ms.)</td></tr> <tr><td>3:</td><td>ON</td><td>300 (ms.)</td></tr> <tr><td>4:</td><td>ON</td><td>400 (ms.)</td></tr> <tr><td>5:</td><td>ON</td><td>500 (ms.)</td></tr> <tr><td>6:</td><td>ON</td><td>600 (ms.)</td></tr> <tr><td>7:</td><td>ON</td><td>700 (ms.)</td></tr> <tr><td>8:</td><td>ON</td><td>800 (ms.)</td></tr> <tr><td>9:</td><td>ON</td><td>900 (ms.)</td></tr> <tr><td>10:</td><td>ON</td><td>1000 (ms.)</td></tr> </tbody> </table>	time	ON/OFF	Interval	0:	OFF	—	1:	ON	100 (ms.)	2:	ON	200 (ms.)	3:	ON	300 (ms.)	4:	ON	400 (ms.)	5:	ON	500 (ms.)	6:	ON	600 (ms.)	7:	ON	700 (ms.)	8:	ON	800 (ms.)	9:	ON	900 (ms.)	10:	ON	1000 (ms.)	to	<table border="1"> <thead> <tr> <th>time</th> <th>ON/OFF</th> <th>Interval</th> </tr> </thead> <tbody> <tr><td>40:</td><td>ON</td><td>4000 (ms.)</td></tr> <tr><td>41:</td><td>ON</td><td>4100 (ms.)</td></tr> <tr><td>42:</td><td>ON</td><td>4200 (ms.)</td></tr> <tr><td>43:</td><td>ON</td><td>4300 (ms.)</td></tr> <tr><td>44:</td><td>ON</td><td>4400 (ms.)</td></tr> <tr><td>45:</td><td>ON</td><td>4500 (ms.)</td></tr> <tr><td>46:</td><td>ON</td><td>4600 (ms.)</td></tr> <tr><td>47:</td><td>ON</td><td>4700 (ms.)</td></tr> <tr><td>48:</td><td>ON</td><td>4800 (ms.)</td></tr> <tr><td>49:</td><td>ON</td><td>4900 (ms.)</td></tr> <tr><td>50:</td><td>ON</td><td>5000 (ms.)</td></tr> </tbody> </table>	time	ON/OFF	Interval	40:	ON	4000 (ms.)	41:	ON	4100 (ms.)	42:	ON	4200 (ms.)	43:	ON	4300 (ms.)	44:	ON	4400 (ms.)	45:	ON	4500 (ms.)	46:	ON	4600 (ms.)	47:	ON	4700 (ms.)	48:	ON	4800 (ms.)	49:	ON	4900 (ms.)	50:	ON	5000 (ms.)
time	ON/OFF	Interval																																																																										
0:	OFF	—																																																																										
1:	ON	100 (ms.)																																																																										
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50:	ON	5000 (ms.)																																																																										
Getting example	Command	@GPH																																																																										
	Response	@GPH,5																																																																										
	Description	Getting the unsolicited notification interval 500 (ms.)																																																																										
Setting example	Command	@SPH,5																																																																										
	Response	@SPH,5																																																																										
	Description	Setting the unsolicited notification interval to 500 (ms.) Completed																																																																										
Remarks		It is set no "0" (OFF) after powering off the VAC-S.																																																																										

@PSH		Unsolicited status notification																		
Getting	Response	@PSH, in,out, system ☐																		
Parameter		in: Checking if input status changes 0 = Not change, 1 = Changes <table border="1"> <tr> <th>Bit</th> <th>7</th> <th>6</th> <th>5</th> <th>4</th> <th>3</th> <th>2</th> <th>1</th> <th>0</th> </tr> <tr> <td>In</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>IN</td> </tr> </table> "1" appears for detected channel, the value is displayed in hex.	Bit	7	6	5	4	3	2	1	0	In	-	-	-	-	-	-	-	IN
	Bit	7	6	5	4	3	2	1	0											
	In	-	-	-	-	-	-	-	IN											
		out: Checking if output status changes 0 = Not change, 1 to FF = Changes <table border="1"> <tr> <th>Bit</th> <th>7</th> <th>6</th> <th>5</th> <th>4</th> <th>3</th> <th>2</th> <th>1</th> <th>0</th> </tr> <tr> <td>out</td> <td>OUT8</td> <td>OUT7</td> <td>OUT6</td> <td>OUT5</td> <td>OUT4</td> <td>OUT3</td> <td>OUT2</td> <td>OUT1</td> </tr> </table> "1" appears for detected channel, the value is displayed in hex.	Bit	7	6	5	4	3	2	1	0	out	OUT8	OUT7	OUT6	OUT5	OUT4	OUT3	OUT2	OUT1
Bit	7	6	5	4	3	2	1	0												
out	OUT8	OUT7	OUT6	OUT5	OUT4	OUT3	OUT2	OUT1												
		system: Checking if system status changes 0 = Not change, 1 = Changes																		
Getting example	Response	@PSH,1,0,0 ☐																		
	Description	Receiving status change information - Input status : Changes - Output status : No changes - System status: No changes																		
Remarks		Only if "@GPH / @SPH Unsolicited notification interval" is set, the VAC-S sends unsolicited command.																		

<b>@AIN</b>		<b>Input signal status (For each channel)</b>				
Getting	Command	@AIN, in 				
	Response	@AIN, status_1, status_2, status_3, status_4, status_5, status_6, status_7, status_8, status_9, status_10, status_11, status_12, status_13, status_14, status_15, status_16, status_17, status_18, status_19 				
Parameter		in: Input channel "1" (fixed)				
		status_1: Input channel				
		<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>"1" (fixed)</td> </tr> </tbody> </table>	Value	Description	1	"1" (fixed)
		Value	Description			
		1	"1" (fixed)			
		status_2: Model number				
		<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>VAC-S18U</td> <td>Model number</td> </tr> </tbody> </table>	Example	Description	VAC-S18U	Model number
		Example	Description			
		VAC-S18U	Model number			
		status_3: Version				
<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>01.00.00</td> <td>Version</td> </tr> </tbody> </table>	Example	Description	01.00.00	Version		
Example	Description					
01.00.00	Version					
status_4: The number of valid data						
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>"15" (fixed)</td> </tr> </tbody> </table>	Value	Description	15	"15" (fixed)		
Value	Description					
15	"15" (fixed)					
status_5: Reservation						
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>"1" (fixed)</td> </tr> </tbody> </table>	Value	Description	1	"1" (fixed)		
Value	Description					
1	"1" (fixed)					
status_6: Horizontal pixels of input video						
<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No signal is input.</td> </tr> <tr> <td>3840</td> <td>3840 pixels</td> </tr> </tbody> </table>	Example	Description	0	No signal is input.	3840	3840 pixels
Example	Description					
0	No signal is input.					
3840	3840 pixels					
status_7: Vertical pixels of input video						
<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No signal is input.</td> </tr> <tr> <td>2160</td> <td>2160 lines</td> </tr> </tbody> </table>	Example	Description	0	No signal is input.	2160	2160 lines
Example	Description					
0	No signal is input.					
2160	2160 lines					



@AIN	Input signal status (For each channel) (Cont'd)						
Parameter	status_8: Vertical sync frequency of input video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No signal is input.</td> </tr> <tr> <td>59.94</td> <td>59.94 Hz</td> </tr> </tbody> </table>	Example	Description	0	No signal is input.	59.94	59.94 Hz
	Example	Description					
	0	No signal is input.					
	59.94	59.94 Hz					
	status_9: Progressive or interlace scan  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: No signal is input. 1: Progressive 2: Interlace</td> </tr> </tbody> </table>	Example	Description	1	0: No signal is input. 1: Progressive 2: Interlace		
	Example	Description					
	1	0: No signal is input. 1: Progressive 2: Interlace					
	status_10: HDMI/DVI mode of input video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>0: No signal is input. 1: DVI signal input 2: HDMI signal input</td> </tr> </tbody> </table>	Example	Description	2	0: No signal is input. 1: DVI signal input 2: HDMI signal input		
	Example	Description					
	2	0: No signal is input. 1: DVI signal input 2: HDMI signal input					
	status_11: Color space of input video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>0: No signal is input. 1: RGB input 2: YCbCr 4:2:2 input 3: YCbCr 4:4:4 input 4: YCbCr 4:2:0 input 255: Unknown</td> </tr> </tbody> </table>	Example	Description	3	0: No signal is input. 1: RGB input 2: YCbCr 4:2:2 input 3: YCbCr 4:4:4 input 4: YCbCr 4:2:0 input 255: Unknown		
	Example	Description					
	3	0: No signal is input. 1: RGB input 2: YCbCr 4:2:2 input 3: YCbCr 4:4:4 input 4: YCbCr 4:2:0 input 255: Unknown					
status_12: Color range of input video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: No signal is input. 1: Limited range input 2: Full range input</td> </tr> </tbody> </table>	Example	Description	1	0: No signal is input. 1: Limited range input 2: Full range input			
Example	Description						
1	0: No signal is input. 1: Limited range input 2: Full range input						
status_13: Color depth of input video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: No signal is input. 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)</td> </tr> </tbody> </table>	Example	Description	1	0: No signal is input. 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)			
Example	Description						
1	0: No signal is input. 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)						

@AIN	Input signal status (For each channel) (Cont'd)				
Parameter	status_14: Presence of +5 V <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: No +5 V signal is input. 1: +5 V signal is input.</td> </tr> </tbody> </table>	Example	Description	1	0: No +5 V signal is input. 1: +5 V signal is input.
	Example	Description			
	1	0: No +5 V signal is input. 1: +5 V signal is input.			
	status_15: Input signal encryption <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>0: No signal is input. 1: Without HDCP 2: HDCP 1.4 3: HDCP 2.2 Type 0 4: HDCP 2.2 Type 1</td> </tr> </tbody> </table>	Example	Description	3	0: No signal is input. 1: Without HDCP 2: HDCP 1.4 3: HDCP 2.2 Type 0 4: HDCP 2.2 Type 1
	Example	Description			
	3	0: No signal is input. 1: Without HDCP 2: HDCP 1.4 3: HDCP 2.2 Type 0 4: HDCP 2.2 Type 1			
status_16: Audio input type <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: No signal is input. 1: LPCM 2: Compressed audio</td> </tr> </tbody> </table>	Example	Description	1	0: No signal is input. 1: LPCM 2: Compressed audio	
Example	Description				
1	0: No signal is input. 1: LPCM 2: Compressed audio				
status_17: Audio input sampling frequency <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>0: No signal is input. 1: 22.05 kHz      2: 24.0 kHz 3: 32 kHz        4: 44.1 kHz 5: 48 kHz        6: 88.2 kHz 7: 96 kHz        8: 176.4 kHz 9: 192 kHz       10: 768.0 kHz 255: Unknown</td> </tr> </tbody> </table>	Example	Description	5	0: No signal is input. 1: 22.05 kHz      2: 24.0 kHz 3: 32 kHz        4: 44.1 kHz 5: 48 kHz        6: 88.2 kHz 7: 96 kHz        8: 176.4 kHz 9: 192 kHz       10: 768.0 kHz 255: Unknown	
Example	Description				
5	0: No signal is input. 1: 22.05 kHz      2: 24.0 kHz 3: 32 kHz        4: 44.1 kHz 5: 48 kHz        6: 88.2 kHz 7: 96 kHz        8: 176.4 kHz 9: 192 kHz       10: 768.0 kHz 255: Unknown				
status_18: Audio input bit length <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>0: No signal is input. 1: 16 bit          2: 17 bit 3: 18 bit          4: 19 bit 5: 20 bit          6: 21 bit 7: 22 bit          8: 23 bit 9: 24 bit 255: Unknown</td> </tr> </tbody> </table>	Example	Description	9	0: No signal is input. 1: 16 bit          2: 17 bit 3: 18 bit          4: 19 bit 5: 20 bit          6: 21 bit 7: 22 bit          8: 23 bit 9: 24 bit 255: Unknown	
Example	Description				
9	0: No signal is input. 1: 16 bit          2: 17 bit 3: 18 bit          4: 19 bit 5: 20 bit          6: 21 bit 7: 22 bit          8: 23 bit 9: 24 bit 255: Unknown				

@AIN		Input signal status (For each channel) (Cont'd)				
Parameter		status_19: Audio input HBR mode  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>                             0: No signal is input.                              1: Non HBR mode                              2: HBR mode                         </td> </tr> </tbody> </table>	Example	Description	1	0: No signal is input. 1: Non HBR mode 2: HBR mode
Example	Description					
1	0: No signal is input. 1: Non HBR mode 2: HBR mode					
Getting example	Command	@AIN,1 ↵				
	Response	@AIN,1,VAC-S18U,01.00.00,15,1,3840,2160,59.94,1,2,3,1,1,1,3,1,5,9,1 ↵				
	Description	Getting all statuses of IN input signal - Input channel : 1 - Model number : VAC-S18U - Version : 01.00.00 - The number of valid data : 15 - Reservation : 1 - Horizontal pixels of input video : 3840 pixels - Vertical pixels of input video : 2160 lines - Vertical sync frequency of input video : 59.94 Hz - Progressive or interlace scan : Progressive - HDMI/DVI mode of input video : HDMI signal input - Color space of input video : YCbCr 4:4:4 input - Color range of input video : Limited range input - Color depth of input video : 24 bit/pixel (8 bit/component) - Presence of +5 V : +5 V signal is input. - Input signal encryption : HDCP 2.2 Type 0 - Audio input type : LPCM - Audio input sampling frequency : 48 kHz - Audio input bit length : 24 bit - Audio input HBR mode : Non HBR mode				
Remarks		—				

@AOT		Output signal status (For each channel)				
Getting	Command	@AOT,out ↵				
	Response	@AOT, status_1, status_2, status_3, status_4, status_5, status_6, status_7, status_8, status_9, status_10, status_11, status_12, status_13, status_14, status_15, status_16, status_17, status_18, status_19, status_20, status_21, status_22, status_23, status_24, status_25 ↵				
Parameter		out: Output channel 1 to 8 = OUT1 to OUT8				
		status_1: Output channel				
		<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1: OUT1 2: OUT2 3: OUT3 4: OUT4 5: OUT5 6: OUT6 7: OUT7 8: OUT8</td> </tr> </tbody> </table>	Example	Description	1	1: OUT1 2: OUT2 3: OUT3 4: OUT4 5: OUT5 6: OUT6 7: OUT7 8: OUT8
		Example	Description			
		1	1: OUT1 2: OUT2 3: OUT3 4: OUT4 5: OUT5 6: OUT6 7: OUT7 8: OUT8			
		status_2: Model number				
		<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>VAC-S18U</td> <td>Model number</td> </tr> </tbody> </table>	Example	Description	VAC-S18U	Model number
		Example	Description			
VAC-S18U	Model number					
status_3: Version						
<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>01.00.00</td> <td>Version</td> </tr> </tbody> </table>	Example	Description	01.00.00	Version		
Example	Description					
01.00.00	Version					
status_4: The number of valid data						
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>"21" (fixed)</td> </tr> </tbody> </table>	Value	Description	21	"21" (fixed)		
Value	Description					
21	"21" (fixed)					
status_5: Reservation						
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>"1" (fixed)</td> </tr> </tbody> </table>	Value	Description	1	"1" (fixed)		
Value	Description					
1	"1" (fixed)					
status_6: Selected input						
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>"1" (fixed)</td> </tr> </tbody> </table>	Value	Description	1	"1" (fixed)		
Value	Description					
1	"1" (fixed)					

@AOT	Output signal status (For each channel) (Cont'd)						
Parameter	status_7: Horizontal pixels of output video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0: No signal is output.</td> </tr> <tr> <td>3840</td> <td>3840 pixels</td> </tr> </tbody> </table>	Example	Description	0	0: No signal is output.	3840	3840 pixels
	Example	Description					
	0	0: No signal is output.					
	3840	3840 pixels					
	status_8: Vertical pixels of output video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0: No signal is output.</td> </tr> <tr> <td>2160</td> <td>2160 lines</td> </tr> </tbody> </table>	Example	Description	0	0: No signal is output.	2160	2160 lines
	Example	Description					
	0	0: No signal is output.					
	2160	2160 lines					
	status_9: Vertical sync frequency of output video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0: No signal is output.</td> </tr> <tr> <td>59.94</td> <td>59.94 Hz</td> </tr> </tbody> </table>	Example	Description	0	0: No signal is output.	59.94	59.94 Hz
	Example	Description					
	0	0: No signal is output.					
	59.94	59.94 Hz					
status_10: Progressive or interlace scan  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: No signal is output. 1: Progressive 2: Interlace</td> </tr> </tbody> </table>	Example	Description	1	0: No signal is output. 1: Progressive 2: Interlace			
Example	Description						
1	0: No signal is output. 1: Progressive 2: Interlace						
status_11: HDMI/DVI mode of output video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>0: No signal is output. 1: DVI signal output 2: HDMI signal output</td> </tr> </tbody> </table>	Example	Description	2	0: No signal is output. 1: DVI signal output 2: HDMI signal output			
Example	Description						
2	0: No signal is output. 1: DVI signal output 2: HDMI signal output						
status_12: Color space of output video  <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>0: No signal is output. 1: RGB output 2: YCbCr 4:2:2 output 3: YCbCr 4:4:4 output 4: YCbCr 4:2:0 output</td> </tr> </tbody> </table>	Example	Description	3	0: No signal is output. 1: RGB output 2: YCbCr 4:2:2 output 3: YCbCr 4:4:4 output 4: YCbCr 4:2:0 output			
Example	Description						
3	0: No signal is output. 1: RGB output 2: YCbCr 4:2:2 output 3: YCbCr 4:4:4 output 4: YCbCr 4:2:0 output						

@AOT	Output signal status (For each channel) (Cont'd)				
Parameter	status_13: Color range of output video <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>                                 0: No signal is output.                                  1: Limited range output                                  2: Full range output                             </td> </tr> </tbody> </table>	Example	Description	1	0: No signal is output. 1: Limited range output 2: Full range output
	Example	Description			
	1	0: No signal is output. 1: Limited range output 2: Full range output			
	status_14: Color depth of output video <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>                                 0: No signal is output.                                  1: 24 bit/pixel (8 bit/component)                                  2: 30 bit/pixel (10 bit/component)                                  3: 36 bit/pixel (12 bit/component)                             </td> </tr> </tbody> </table>	Example	Description	1	0: No signal is output. 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)
	Example	Description			
1	0: No signal is output. 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)				
status_15: Hot plug detection <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>                                 0: Hot plug is detected.                                  1: No hot plug is detected.                             </td> </tr> </tbody> </table>	Example	Description	1	0: Hot plug is detected. 1: No hot plug is detected.	
Example	Description				
1	0: Hot plug is detected. 1: No hot plug is detected.				
status_16: HDCP authentication <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>                                 0: No HDCP authentication                                  1: HDCP authentication starts                                  2: HDCP authentication starts                                  3: HDCP authentication starts                                  4: HDCP authentication completed                                  5: HDCP authentication failed                             </td> </tr> </tbody> </table>	Example	Description	4	0: No HDCP authentication 1: HDCP authentication starts 2: HDCP authentication starts 3: HDCP authentication starts 4: HDCP authentication completed 5: HDCP authentication failed	
Example	Description				
4	0: No HDCP authentication 1: HDCP authentication starts 2: HDCP authentication starts 3: HDCP authentication starts 4: HDCP authentication completed 5: HDCP authentication failed				
status_17: HDCP encryption <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>                                 0: Without HDCP                                  1: HDCP 1.4                                  2: HDCP 2.2 Type 0                                  3: HDCP 2.2 Type 1                             </td> </tr> </tbody> </table>	Example	Description	2	0: Without HDCP 1: HDCP 1.4 2: HDCP 2.2 Type 0 3: HDCP 2.2 Type 1	
Example	Description				
2	0: Without HDCP 1: HDCP 1.4 2: HDCP 2.2 Type 0 3: HDCP 2.2 Type 1				

@AOT	Output signal status (For each channel) (Cont'd)																					
Parameter	status_18: Audio output type <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: No signal is output. 1: LPCM 2: Compressed audio</td> </tr> </tbody> </table>	Example	Description	1	0: No signal is output. 1: LPCM 2: Compressed audio																	
	Example	Description																				
	1	0: No signal is output. 1: LPCM 2: Compressed audio																				
	status_19: Reading EDID <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>0: Not connected 1: Failed 2: Completed</td> </tr> </tbody> </table>	Example	Description	2	0: Not connected 1: Failed 2: Completed																	
	Example	Description																				
	2	0: Not connected 1: Failed 2: Completed																				
	status_20: HDMI/DVI mode (sink) <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>0: Not connected 1: DVI mode 2: HDMI mode (LPCM supported) 3: HDMI mode (Compressed audio supported)</td> </tr> </tbody> </table>	Example	Description	2	0: Not connected 1: DVI mode 2: HDMI mode (LPCM supported) 3: HDMI mode (Compressed audio supported)																	
	Example	Description																				
	2	0: Not connected 1: DVI mode 2: HDMI mode (LPCM supported) 3: HDMI mode (Compressed audio supported)																				
	status_21: Color space (sink) <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>0: Not connected 1 to 15: Color space supported</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>bit</th> <th>7</th> <th>6</th> <th>5</th> <th>4</th> <th>3</th> <th>2</th> <th>1</th> <th>0</th> </tr> </thead> <tbody> <tr> <td>Color</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>YCbCr 4:2:0</td> <td>YCbCr 4:4:4</td> <td>YCbCr 4:2:2</td> <td>RGB</td> </tr> </tbody> </table> <p>"1" appears for supported color space, the value is displayed in hex.</p>	Example	Description	15	0: Not connected 1 to 15: Color space supported	bit	7	6	5	4	3	2	1	0	Color	-	-	-	-	YCbCr 4:2:0	YCbCr 4:4:4	YCbCr 4:2:2
Example	Description																					
15	0: Not connected 1 to 15: Color space supported																					
bit	7	6	5	4	3	2	1	0														
Color	-	-	-	-	YCbCr 4:2:0	YCbCr 4:4:4	YCbCr 4:2:2	RGB														
status_22: Color depth (sink) <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0: Not connected 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)</td> </tr> </tbody> </table>	Example	Description	1	0: Not connected 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)																		
Example	Description																					
1	0: Not connected 1: 24 bit/pixel (8 bit/component) 2: 30 bit/pixel (10 bit/component) 3: 36 bit/pixel (12 bit/component)																					

<b>@AOT</b>	<b>Output signal status (For each channel) (Cont'd)</b>				
Parameter	status_23: HDCP (sink) <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>                             0: Not connected                              1: HDCP is not supported.                              2: HDCP 1.4 supported                              3: HDCP 2.2 supported                         </td> </tr> </tbody> </table>	Example	Description	3	0: Not connected 1: HDCP is not supported. 2: HDCP 1.4 supported 3: HDCP 2.2 supported
	Example	Description			
	3	0: Not connected 1: HDCP is not supported. 2: HDCP 1.4 supported 3: HDCP 2.2 supported			
	status_24: SCDC (sink) <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>                             0: Not connected                              1: SCDC is not supported.                              2: SCDC supported                         </td> </tr> </tbody> </table>	Example	Description	2	0: Not connected 1: SCDC is not supported. 2: SCDC supported
	Example	Description			
	2	0: Not connected 1: SCDC is not supported. 2: SCDC supported			
	status_25: HDR (sink) <table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>                             0: Not connected                              1: HDR is not supported.                              2: HDR supported                         </td> </tr> </tbody> </table>	Example	Description	1	0: Not connected 1: HDR is not supported. 2: HDR supported
	Example	Description			
	1	0: Not connected 1: HDR is not supported. 2: HDR supported			



@AOT		Output signal status (For each channel) (Cont'd)
Getting example	Command	@AOT,1 ↵
	Response	@AOT,1,VAC-S18U,01.00.00,21,1,1,3840,2160,59.94,1,2,3,1,1,1,4,2,1,2,2,15,1,3,2,1 ↵
	Description	<p>Getting all statuses of OUT1 output signal</p> <ul style="list-style-type: none"> <li>- Output channel : OUT1</li> <li>- Model number : VAC-S18U</li> <li>- Version : 01.00.00</li> <li>- The number of valid data : 21</li> <li>- Reservation : 1</li> <li>- Selected input : 1</li> <li>- Horizontal pixels of output video : 3840 pixels</li> <li>- Vertical pixels of output video : 2160 lines</li> <li>- Vertical sync frequency of output video : 59.94 Hz</li> <li>- Progressive or interlace scan : Progressive</li> <li>- HDMI/DVI mode of output video : HDMI signal output</li> <li>- Color space of output video : YCbCr 4:4:4 output</li> <li>- Color range of output video : Limited range output</li> <li>- Color depth of output video : 24 bit/pixel (8 bit/component)</li> <li>- Hot plug detection : Hot plug is detected.</li> <li>- HDCP authentication : HDCP authentication completed</li> <li>- HDCP encryption : HDCP 2.2 Type 0</li> <li>- Audio output type : LPCM</li> <li>- Reading EDID : Completed</li> <li>- HDMI/DVI mode (sink) : HDMI mode (LPCM supported)</li> <li>- Color space (sink) : RGB, YCbCr 4:2:2, YCbCr 4:4:4, and YCbCr 4:2:0 supported</li> <li>- Color depth (sink) : 24 bit/pixel (8 bit/component)</li> <li>- HDCP (sink) : HDCP 2.2 supported</li> <li>- SCDC (sink) : SCDC supported</li> <li>- HDR (sink) : HDR is not supported.</li> </ul>
Remarks		—

<b>@GAA</b>		<b>Alarm status</b>				
Getting	Command	@GAA [↵]				
	Response	@GAA, status_1, status_2, status_3, status_4, status_5 [↵]				
Parameter	status_1: Model number					
	<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>VAC-S18U</td> <td>Model number</td> </tr> </tbody> </table>		Example	Description	VAC-S18U	Model number
	Example	Description				
	VAC-S18U	Model number				
	status_2: Version					
<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>01.00.00</td> <td>Version</td> </tr> </tbody> </table>		Example	Description	01.00.00	Version	
Example	Description					
01.00.00	Version					
status_3: The number of valid data						
<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>"2" (fixed)</td> </tr> </tbody> </table>		Value	Description	2	"2" (fixed)	
Value	Description					
2	"2" (fixed)					
status_4: Power voltage status						
<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0: Normal 1: Abnormal</td> </tr> </tbody> </table>		Example	Description	0	0: Normal 1: Abnormal	
Example	Description					
0	0: Normal 1: Abnormal					
status_5: Internal temperature status						
<table border="1"> <thead> <tr> <th>Example</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0: Normal 1: Abnormal</td> </tr> </tbody> </table>		Example	Description	0	0: Normal 1: Abnormal	
Example	Description					
0	0: Normal 1: Abnormal					
Getting example	Command	@GAA [↵]				
	Response	@GAA,VAC-S18U,01.00.00,2,0,0 [↵]				
	Description	Getting alarm status of the VAC-S - Model number : VAC-S18U - Version : 01.00.00 - The number of valid data : 2 - Power voltage status : Normal - Internal temperature status: Normal				
Remarks		—				

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## User Guide (Command Guide) of VAC-S Series

Ver.1.1.0

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