



4KMV41

4x1 4K HDMI Multi-viewer

API Command Set

Version: V1.0.0

RS232 Default Setting

Parameters	Value
Baud Rate	115200 bps
Data bits	8 bits
Parity	None
Stop bits	1 bit
Flow control	None

Command

Take Command `SET OUTPUT_MODE prm<CR><LF>` as an example:

1. `[SET OUTPUT_MODE]` denotes command key words, case insensitive.
2. `[prm]` denotes parameters, case insensitive; incorrect parameters number will not be recognized.
3. `<CR><LF>` denotes a carriage return or a line feed; all commands must be ended up with a carriage return or a line feed.

NO.	Description	Command	Example
1	To set output mode	<p>Command: SET OUTPUT_MODE prm<CR><LF></p> <p>Return: OUTPUT_MODE prm<CR><LF></p> <p>Description: prm = {IN1, IN2, IN3, IN4, DualView_1x2, DualView_3x4, Quad, PIP_12, PIP_34, MainSub_1, MainSub_2, MainSub_3, MainSub_4}</p>	<p>Command: SET OUTPUT_MODE IN1<CR><LF></p> <p>Return: OUTPUT_MODE IN1<CR><LF></p> <p>Description: Set output mode to IN1.</p>
2	To set output channel	<p>Command: SET SW prm<CR><LF></p> <p>Return: SW prm<CR><LF></p> <p>Description: prm = {in1, in2, in3, in4}</p>	<p>Command: SET SW in1<CR><LF></p> <p>Return: SW in<CR><LF></p> <p>Description: Set output channel to in1.</p>
3	To set audio mode	<p>Command: SET AUDIO_MODE prm<CR><LF></p> <p>Return: AUDIO_MODE prm<CR><LF></p> <p>Description: prm = {CH1, CH2, CH3, CH4}</p>	<p>Command: SET AUDIO_MODE CH1<CR><LF></p> <p>Return: AUDIO_MODE CH1<CR><LF></p> <p>Description: Set audio mode to CH1.</p>

NO.	Description	Command	Example
4	To set output status	Command: SET VIDOUT_ONOFF prm<CR><LF> Return: VIDOUT_ONOFF prm<CR><LF> Description: prm = {ON, OFF}	Command: SET VIDOUT_ONOFF ON<CR><LF> Return: VIDOUT_ONOFF ON<CR><LF> Description: Set output status to on.
5	To set output hdcp mode	Command: SET VIDOUT_HDCP prm<CR><LF> Return: VIDOUT_HDCP prm<CR><LF> Description: prm = {HDCP1.4, HDCP2.2, FOLLOW}	Command: SET VIDOUT_HDCP FOLLOW<CR><LF> Return: VIDOUT_HDCP FOLLOW<CR><LF> Description: Set output hdcp mode to FOLLOW.
6	To set Software upgrade	Command: UPG <CR><LF> Return: UPG<CR><LF>	Command: UPG<CR><LF> Return: UPG<CR><LF> Description: To set Software upgrade.
7	To set system reset	Command: RESET<CR><LF> Return: RESET<CR><LF>	Command: RESET<CR><LF> Return: RESET<CR><LF> Description: To set system reset.

NO.	Description	Command	Example
8	To set audio mute	<p>Command: SET AUDIO_MUTE prm<CR><LF></p> <p>Return: AUDIO_MUTE prm<CR><LF></p> <p>Description: prm = {ON, OFF}</p>	<p>Command: SET AUDIO_MUTE ON<CR><LF></p> <p>Return: AUDIO_MUTE ON<CR><LF></p> <p>Description: Set audio mute is on.</p>
9	To get VER	<p>Command: GET VER<CR><LF></p> <p>Return: MV0401-H2H4K-B60 Vx.x<CR><LF></p>	<p>Command: GET VER<CR><LF></p> <p>Return: MV0401-H2H4K-B60 Vx.x<CR><LF></p> <p>Description: get ver</p>
10	To get OUTPUT_MODE	<p>Command: GET OUTPUT_MODE<CR><LF></p> <p>Return: OUTPUT_MODE prm<CR><LF></p> <p>Description: prm = {IN1, IN2, IN3, IN4, DualView_1x2, DualView_3x4, Quad, PIP_12, PIP_34, MainSub_1, MainSub_2, MainSub_3, MainSub_4}</p>	<p>Command: GET OUTPUT_MODE<CR><LF></p> <p>Return: OUTPUT_MODE IN1<CR><LF></p> <p>Description: GET OUTPUT_MODE</p>

NO.	Description	Command	Example
11	To get SW	Command: GET SW<CR><LF> Return: SWChannel prm<CR><LF> Description: prm = {IN1, IN2, IN3, IN4}	Command: GET SW<CR><LF> Return: SWChannel IN1<CR><LF> Description: GET SW
12	To get AUDIO_MODE	Command: GET AUDIO_MODE<CR><LF> > Return: AUDIO_MODE prm<CR><LF> Description: prm = {CH1, CH2, CH3, CH4}	Command: GET AUDIO_MODE<CR><LF> > Return: AUDIO_MODE CH1<CR><LF> Description: GET AUDIO_MODE
13	To get AUDIO_MUTE	Command: GET AUDIO_MUTE<CR><LF> Return: AUDIO_MUTE prm<CR><LF> Description: prm = {ON, OFF}	Command: GET AUDIO_MUTE<CR><LF> Return: AUDIO_MUTE ON<CR><LF> Description: GET AUDIO_MUTE

NO.	Description	Command	Example
14	To get VIDOUT_ONOFF	Command: GET VIDOUT_ONOFF<CR><LF> Return: AVIDOUT_ONOFF prm<CR><LF> Description: prm = {ON, OFF}	Command: GET VIDOUT_ONOFF<CR><LF> Return: VIDOUT_ONOFF ON<CR><LF> Description: GET VIDOUT_ONOFF
15	To get VIDOUT_HDCP	Command: GET VIDOUT_HDCP<CR><LF> Return: VIDOUT_HDCP prm<CR><LF> Description: prm = {HDCP1.4, HDCP2.2, FOLLOW}	Command: GET VIDOUT_HDCP<CR><LF> Return: VIDOUT_HDCP ON<CR><LF> Description: GET VIDOUT_HDCP
16	To set DISPLAY MODE	Command: SET VIDOUT_DSP_MODE prm<CR><LF> Return: DISPLAY MODE prm<CR><LF> Description: prm = {FULL, STD}	Command: SET VIDOUT_DSP_MODE FULL<CR><LF> Return: DISPLAY MODE FULL<CR><LF> Description: SET DISPLAY MODE FULL

NO.	Description	Command	Example
17	To get DISPLAY MODE	<p>Command: GET VIDOUT_DSP_MODE<C R><LF></p> <p>Return: DISPLAY MODE prm<CR><LF></p> <p>Description: prm = {FULL, STD}</p>	<p>Command: GET VIDOUT_DSP_MODE<C R><LF></p> <p>Return: DISPLAY MODE FULL<CR><LF></p> <p>Description: GET DISPLAY MODE</p>
18	To set COLORSPACE MODE	<p>Command: SET COLORSPACE_MODE prm<CR><LF></p> <p>Return: COLORSPACE_MODE prm<CR><LF></p> <p>Description: prm = {RGB444, YUV444}</p>	<p>Command: SET COLORSPACE_MODE RGB444<CR><LF></p> <p>Return: COLORSPACE_MODE RGB444<CR><LF></p> <p>Description: SET COLORSPACE_MODE RGB444</p>
19	To get COLORSPACE_M ODE	<p>Command: GET COLORSPACE_MODE<C R><LF></p> <p>Return: COLORSPACE_MODEEE prm<CR><LF></p> <p>Description: prm = {RGB444, YUV444}</p>	<p>Command: GET COLORSPACE_MODE<C R><LF></p> <p>Return: COLORSPACE_MODE RGB444<CR><LF></p> <p>Description: GET COLORSPACE_MODE</p>



AV Access — *Simplify your life* —

AV Access Technology Limited

V1.0.1