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DSCV2-70-TX-UK

4K UHD In-Wall Transmitter with USB host and CEC Triggering

API Command List

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

1. Take Command SET SW in out<CR><LF> as an example:
2. [SET SW] denotes command key words, case insensitive.
3. [in] denotes parameters, case insensitive; incorrect parameters number will not be recognized.
4. <CR><LF> denotes a carriage return or a line feed; all commands must be ended up with a carriage return or a line feed.

IDX	Description	Command	Example
1	Get UART Baudrate	Command: GET UART_B <CR><LF> Return: UART_B <CR><LF>	Command: GET UART_B <CR><LF> Return: UART_B 9600<CR><LF> Description: Get UART baudrate, and the result is 9600.

IDX	Description	Command	Example
2	Set UART Baudrate	Command: SET UART_B prm<CR><LF> Return: UART_B prm<CR><LF> Parameter: prm= {9600, 19200, 38400, 57600, 115200} The default baudrate is 115200.	Command: SET UART_B 9600<CR><LF> Return: UART_B 9600<CR><LF> Description: Set UART baudrate as 9600.
3	Get UART Ending Character	Command: GET UART_E<CR><LF> Return: UART_E prm<CR><LF> Parameter: prm = {null, cr, lf, crlf} cr: carriage return, ascii code is 0x0D. lf: line feed, ascii code is 0x0A.	Command: GET UART_E <CR><LF> Return: UART_E cr<CR><LF> Description: Get UART ending character, and the result is cr.
4	Set UART Ending Character	Command: SET UART_E prm<CR><LF> Return: UART_E prm<CR><LF> Parameter: prm = {null, cr, lf, crlf} cr: carriage return, ascii code is 0x0D. lf: line feed, ascii code is 0x0A. The default setting is crlf.	Command: SET UART_E cr<CR><LF> Return: UART_E cr<CR><LF> Description: Set UART ending character as cr.

IDX	Description	Command	Example

5	Set UART Command in String Form	Command:
		SET UART_STR prm1 prm2 prm3<CR><LF>
		
		Return:
		UART_STR prm1 prm2 prm3<CR><LF>
		
		Parameter:
		prm1 = {poweron, poweroff}// “poweron”, “poweroff” refers to display power-on and power-off.
		prm2 = {1, 2, 3, 4, 5}//prm2 refers to the sequence of the input command.
		prm3 = {xxxxxxxxxxxxxxx}//prm3 refers to the power on/off command for the display devices which is provided by display manufacturer and can be found in the device’s user manual.
		Note: The command’s length for prm3 shall not exceed 64 characters.
			Command:
			SET UART_STR poweron 1 xxxx<CR><LF>
			
			Return:
			UART_STR poweron 1 xxxx<CR><LF>
			
			Description:
			Set the UART command for powering on the display in string form as “xxxx”, and set this command’s sequence as 1.

6	Get UART Command	Command: GET UART_STR prm1 prm2 <CR><LF> Return: UART_STR prm1 prm2 <CR><LF> Parameter: prm1 = {poweron, poweroff}// “poweron”, “poweroff” refers to display power-on and power-off.	Command: GET UART_STR poweron 1 <CR><LF> Return: UART_STR poweron 1 xxxx<CR><LF> Description: Get the UART command at first place for powering on the display.

IDX	Description	Command	Example
		prm2 = {1, 2, 3, 4, 5}//prm2 refers to the sequence of the input command.	

7	Set UART Command in Hex Form	Command:
		SET UART_HEX prm1 prm2 hex1 hex2 hex3 …. <CR><LF>
		
		Return:
		UART_HEX prm1 prm2 hex1 hex2 hex3 …. <CR><LF>
		Parameter:
		prm1 = {poweron, poweroff}// “poweron”, “poweroff” refers to display power-on and power-off.
		prm2 = {1, 2, 3, 4, 5}//prm2 refers to the sequence of the input command.
		hex1, hex2, … = {xx xx xx xx …}//hex1, hex2, … are ascii strings in hex form. For example, string "12" corresponds to hex digits “31 32”. The hex string’s length shall not exceed 64 characters.
			Command:
			SET UART_HEX poweron 1 12 34 56 … <CR><LF>
			
			Return:
			UART_HEX poweron 1 12 34 56 …<CR><LF>
			Description:
			Set UART command at first place for powering on the display in hex form as “12 34 56 …”.

8	Reset to Factory Defaults	Command: RESET <CR><LF> Return: RESET <CR><LF>	Command: RESET <CR><LF> Return: RESET <CR><LF>

IDX	Description	Command	Example
9	Get UART Commands	Command: HELP <CR><LF> Return: prm<CR><LF> Parameter: prm = {SET UART_B prm, GET UART_B, …, …} Description: Get all RS232 serial commands.	Command: HELP <CR><LF> Return: SET UART_B prm <CR><LF> GET UART_B <CR><LF> RESET UART_B <CR><LF> SET UART_E prm <CR><LF> GET UART_E <CR><LF> RESET UART_E <CR><LF> …
10	Get Software Version	Command: GET SW_VERSION <CR><LF> Return: prm1<CR> Parameter: prm1 = software version info	Command: GET SW_VERSION <CR><LF> Return: DSCV2-70-TX-UK V1.0 Description: Get software version, and the result is V1.0.
11	Upgrade Module	Command: UPG [prm] <CR><LF> Return: UPG [prm] <CR><LF> Parameter: prm= {xxx}	Command: UPG <CR><LF> Return: UPG <CR><LF> Description: Upgrade module.
12	Set CEC Power Delay Time	Command: SET AUTOCEC_D prm <CR><LF> Return: AUTOCEC_D SET prm <CR><LF> Parameter: prm = {1,2,3, …}// According to the actual time counter, 1	Command: SET AUTOCEC_D 3 <CR><LF> Return: AUTOCEC_D SET 3 <CR><LF> Description: Set auto CEC power delay time for the display as 3 minutes.

IDX	Description	Command	Example
		means 1 minute, 2 means 2 minutes. The default waiting time is 2 minutes, max waiting time is 30 minutes. Description: AUTOCEC_D is short for CEC auto power delay timing.	When no signal is present, 3 minutes later, the CEC-enabled display will automatically power off.
13	Get CEC Power Delay Time Status	Command: GET AUTOCEC_D <CR><LF> Return: AUTOCEC_D GET prm <CR><LF> Parameter: prm = {1,2,3, …}//According to the actual time counter, 1 means 1 minute, 2 means 2 minutes. The default waiting time is 2 minutes, max waiting time is 30 minutes. Description: AUTOCEC_D is short for CEC auto power delay timing.	Command: GET AUTOCEC_D <CR><LF> Return: AUTOCEC_D GET 3 <CR><LF> Description: Get the auto CEC power delay time, and the result is 3 minutes.

IDX	Description	Command	Example
14	Set Auto CEC Mode	Command: SET AUTOCEC_M prm <CR><LF> Return: AUTOCEC_M prm <CR><LF> Parameter: prm = {on, off}//Set the auto cec mode as on or off. Description: AUTOCEC_M is short for CEC auto mode, and the default setting is on.	Command: SET AUTOCEC_M off <CR><LF> Return: AUTOCEC_M off <CR><LF> Description: Set the auto CEC mode as off.
15	Get Auto CEC on/off	Command: GET AUTOCEC_M <CR><LF> Return: AUTOCEC_M prm <CR><LF> Parameter: prm = {on, off}//Get the auto cec mode. Description: AUTOCEC_M is short for CEC auto mode, and the default setting is on.	Command: GET AUTOCEC_M <CR><LF> Return: AUTOCEC_M off <CR><LF> Description: Get the auto CEC mode, and the result is off.
16	Set UART Power Delay Time	Command: SET AUTOUART_D prm <CR><LF> Return: AUTOUART_D SET prm <CR><LF> Parameter: prm = {3,4,5, …, 60}//According to the actual time counter, 3	Command: SET AUTOUART_D 3 <CR><LF> Return: AUTOUART_D SET 3 <CR><LF> Description: Set auto UART power delay time for the display as 3 minutes. When no active signal is present, 3 minutes later, the RS-232 enabled

IDX	Description	Command	Example
		means 3 minutes, 4 means 4 minutes. The default waiting time is 3 minutes, max waiting time is 60 minutes. Description: AUTOUART_D is short for UART auto power delay timing.	display will automatically power off.
17	Get UART Power Delay Time Status	Command: GET AUTOUART_D <CR><LF> Return: AUTOUART_D GET prm <CR><LF> Parameter: prm = {3,4,5, …, 60}//According to the actual time counter, 3 means 3 minutes, 4 means 4 minutes. The default waiting time is 3 minutes, max waiting time is 60 minutes. Description: AUTOUART_D is short for UART auto power delay timing.	Command: GET AUTOUART_D <CR><LF> Return: AUTOUART_D GET 3 <CR><LF> Description: Get the auto UART power delay time, and the result is 3 minutes.

IDX	Description	Command	Example
18	Set Auto UART mode	Command: SET AUTOUART_M prm <CR><LF> Return: AUTOUART_M prm <CR><LF> Parameter: prm = {on, off}//Set the auto UART mode as on/off. Description: AUTOUART_M is short for UART auto mode, the default setting is on.	Command: SET AUTOUART_M off <CR><LF> Return: AUTOUART_M off <CR><LF> Description: Set the auto UART mode as off.
19	Get Auto UART on/off	Command: GET AUTOUART_M <CR><LF> Return: AUTOUART_M prm <CR><LF> Parameter: prm = {on, off}//Get the auto UART mode. Description: AUTOUART_M is short for UART auto mode, and the default setting is on.	Command: GET AUTOUART_M <CR><LF> Return: AUTOUART_M off <CR><LF> Description: Get the auto UART mode, and the auto UART mode is off.
20	Switch Input for Output	Command: SET SW in<CR><LF> Return: SW in<CR><LF> Parameter: in = {hdmi1, hdmi2, usbc}	Command: SET SW hdmi 1<CR><LF> Return: SW hdmi 1<CR><LF> Description: Switch HDMI1 for the output sink.

IDX	Description	Command	Example
		Description: SW is short for Switch.	
21	Get Input Source Selected	Command: GET SW<CR><LF> Return: in<CR><LF> Parameter: in = {hdmi 1, hdmi 2, usbc} Description: SW is short for Switch.	Command: GET SW<CR><LF> Return: hdmi 1<CR><LF> Description: Get which input source is selected, and the result is HDMI 1.

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