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HT-TRK1

Apollo Technology Room Kit

Command List



RS232 Default Setting

Parameters	Value
Baud Rate	9600 bps
Data bits	8 bits
Parity	None
Stop bits	1 bit
Flow control	None

Command

Take Command **SET SW in out<CR><LF>** as an example:

1. **[SET SW]** denotes command key words, case insensitive.
2. **[in out]** 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.

IDX	Description	Command	Example
1	Set Auto Switch Function to on/off	<p>Command: SET DEV AUTOSW <i>prm</i> <CR><LF></p> <p>Return: rsp SET DEV AUTOSW <i>prm</i> <CR><LF></p> <p>Parameter: <i>prm</i> = {on, off} ,default: off</p> <p>Description: When the <i>prm</i> is <i>on</i>, Auto Switch Function is in active status. When the <i>prm</i> is <i>off</i>, Auto Switch Function is in inactive status.</p>	<p>Command: SET DEV AUTOSW <i>on</i> <CR><LF></p> <p>Return: rsp SET DEV AUTOSW <i>on</i> <CR><LF></p> <p>Description: Set Dev Auto Switch Function is in active status.</p>
2	Get Auto Switch Function on/off Status	<p>Command: GET DEV AUTOSW<CR><LF></p> <p>Return: rsp GET DEV AUTOSW <CR><LF></p> <p>Parameter: <i>prm</i> = {on, off}, default: off</p> <p>Description: Get Dev Auto Switch Function is in active status or inactive status.</p>	<p>Command: GET DEV AUTOSW <CR><LF></p> <p>Return: rsp GET DEV AUTOSW <i>on</i><CR><LF></p> <p>Description: Get Dev Auto Switch mode is in active status or inactive status. The result is in active status.</p>

IDX	Description	Command	Example
3	Set Key Lock to On/Off	<p>Command: SET DEV KEYLOCK <i>prm</i> <CR><LF></p> <p>Return: rsp SET DEV KEYLOCK <i>prm</i> <CR><LF></p> <p>Parameter: <i>prm</i> = {on, off} ,default: off</p> <p>Description: When the <i>prm</i> is <i>on</i>, Key Lock Function is in active status. When the <i>prm</i> is <i>off</i>, Key Loc Function is in inactive status.</p>	<p>Command: SET DEV KEYLOCK <i>on</i> <CR><LF></p> <p>Return: rsp SET DEV KEYLOCK on <CR><LF></p> <p>Description: Set Key Lock Function is in active status.</p>
4	To get the Key Lock Status	<p>Command: GET DEV KEYLOCK <CR><LF></p> <p>Return: rsp GET DEV KEYLOCK <CR><LF></p> <p>Parameter: <i>prm</i> = {on, off}, default: off</p> <p>Description: Get Key Lock Function is in active status or inactive status.</p>	<p>Command: GET DEV KEYLOCK <CR><LF></p> <p>Return: rsp GET DEV KEYLOCK on <CR><LF></p> <p>Description: Get Key Lock mode, it is in active status or inactive status. The result is in active status.</p>

IDX	Description	Command	Example
5	Set the input audio status	<p>Command: SET INADO STATUS prm<CR><LF></p> <p>Return: rsp SET INADO STATUS prm <CR><LF></p> <p>Parameter: prm = {0,1,2}, default: 1 0: line 1: mic 2: 48v</p> <p>Description: Set the input audio status</p>	<p>Command: SET INADO STATUS 0<CR><LF></p> <p>Return: rsp SET INADO STATUS 0 <CR><LF></p> <p>Description: Set the input audio status</p>
6	Get the input audio status	<p>Command: GET INADO STATUS <CR><LF></p> <p>Return: rsp GET INADO STATUS prm <CR><LF></p> <p>Parameter: prm = {0, 1, 2}, default: 1 0: line 1: mic 2: 48v</p> <p>Description: Get the input audio status</p>	<p>Command: GET INADO STATUS <CR><LF></p> <p>Return: rsp GET INADO STATUS 0 <CR><LF></p> <p>Description: Get the input audio status</p>

IDX	Description	Command	Example
7	Set Rx mic gain	<p>Command: SET DEV MICGAIN prm <CR><LF></p> <p>Return: rsp SET DEV MICGAIN prm<CR><LF></p> <p>Parameter: prm = {1 ~ 50} ----> -13db ~ +36db default: 50</p> <p>Description: set device mic gain</p>	<p>Command: SET DEV MICGAIN 20 <CR><LF></p> <p>Return: Rsp GET DEV MICGAIN 20 <CR></p> <p>Description: set device mic gain</p>
8	Get Rx mic gain	<p>Command: GET DEV MICGAIN <CR><LF></p> <p>Return: rsp GET DEV MICGAIN X<CR><LF></p> <p>Parameter: prm = {1 ~ 50} ----> -13db ~ +36db default: 50</p> <p>Description: Get device mic gain</p>	<p>Command: GET DEV MICGAIN <CR><LF></p> <p>Return: Rsp GET DEV MICGAIN 20 <CR></p> <p>Description: Get device mic gain</p>

IDX	Description	Command	Example
9	Set input x audio port mute on/off	<p>Command: SET INADO port{1~x} MUTE en{off on}<CR><LF></p> <p>Return: rsp SET INADO port{1~x} MUTE en{off on}<CR><LF></p> <p>Parameter: en = {on, off}, default: off port={1, 2, 3} 1: 6488 out 2: tx in 3: rx in</p> <p>Description: Set the audio mute</p>	<p>Command: SET INADO 1 MUTE on<CR><LF></p> <p>Return: rsp SET INADO 1 MUTE on<CR><LF></p> <p>Description: Set the audio mute</p>
10	Get input x audio port mute on/off	<p>Command: GET INADO port{1~x} MUTE <CR><LF></p> <p>Return: rsp INADO port{1~x} MUTE en{off on}<CR><LF></p> <p>Parameter: en = {on, off}, default: off port={1, 2, 3} 1: 6488 out 2: tx in 3: rx in</p> <p>Description: Get the audio mute</p>	<p>Command: GET INADO 1 MUTE <CR><LF></p> <p>Return: rsp GET INADO 1 MUTE on<CR><LF></p> <p>Description: Get the audio mute</p>

IDX	Description	Command	Example
11	Set the input x audio port volume	<p>Command: SET INADO port{1~x} VOLUME prm<CR><LF></p> <p>Return: rsp INADO port{1~x} VOLUME prm<CR><LF></p> <p>Parameter: prm = {0~100}, default: 50 port={1,2,3} 1:6488 out 2:tx in 3:rx in</p> <p>Description: Set the input audio volume</p>	<p>Command: SET INADO 1 VOLUME 50<CR><LF></p> <p>Return: rsp SET INADO 1 VOLUME 50<CR><LF></p> <p>Description: Set the input audio volume 50</p>
12	Get the input x audio port volume	<p>Command: GET INADO port{1~x} VOLUME <CR><LF></p> <p>Return: rsp INADO port{1~x} VOLUME prm<CR><LF></p> <p>Parameter: prm = {0~100}, default: 50 port={1, 2, 3} 1: 6488 out 2: tx in 3: rx in</p> <p>Description: Get the input audio volume</p>	<p>Command: GET INADO 1 VOLUME <CR><LF></p> <p>Return: rsp GET INADO 1 VOLUME 50<CR><LF></p> <p>Description: Get the input audio volume 50</p>

IDX	Description	Command	Example
13	Set device audio input channel selection	<p>Command: set dev ado_ch port{1~4} <CR><LF></p> <p>Return: Rsp set dev ado_ch port{1~4}<CR><LF></p> <p>Parameter: port = {1, 2, 3, 4},default: 1 1: 6488 out 2: tx in 3: rx in 4: Audio mixing</p> <p>Description: Set device audio input channel selection</p>	<p>Command: set dev ado_ch 1 <CR><LF></p> <p>Return: Rsp set dev ado_ch 1<CR><LF></p> <p>Description: Set device audio input channel selection</p>
14	Get device audio input channel selection	<p>Command: get dev ado_ch <CR><LF></p> <p>Return: Rsp get dev ado_ch port{1~x}<CR><LF></p> <p>Parameter: port = {1, 2, 3, 4}, default: 1 1: 6488 out 2: tx in 3: rx in 4: Audio mixing</p> <p>Description: get device audio input channel selection</p>	<p>Command: get dev ado_ch <CR><LF></p> <p>Return: Rsp get dev ado_ch 1<CR><LF></p> <p>Description: get device audio input channel selection</p>

IDX	Description	Command	Example
15	Switch indicate input for outputs	<p>Command: SET DEV CH out in <CR><LF></p> <p>Return: rsp DEV SW out in <CR><LF></p> <p>Parameter: in = {1, 2, 3, 4, 5};, default: 1 1: VGA 2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI out = {1,2}; 1:RX HDMIOUT 2:TXHDMIOUT</p> <p>Description: SW is short for Switch Switch one input source for one output sink</p>	<p>Command: SET DEV CH 2 3 <CR><LF></p> <p>Return: rsp SET DEV SW 2 3<CR><LF></p> <p>Description: Switch TXHDMI2 for TX sink</p>

IDX	Description	Command	Example
16	Get which input mapping to the indicate Output	<p>Command: GET DEV CH <i>out</i><CR><LF></p> <p>Return: rsp SET DEV CH 2 1<CR><LF></p> <p>Parameter: in = {1, 2, 3, 4, 5}; 1: VGA 2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI out = {1,2}; 1: RX HDMIOUT 2: TXHDMIOUT</p> <p>Description: MP is short for mapping Get which input mapping to the indicate Output</p>	<p>Command: GET DEV CH 2<CR><LF></p> <p>Return: rsp GET DEV CH 2 1<CR><LF></p> <p>Description: Get which input mapping to RX</p>

IDX	Description	Command	Example
17	To verify Input signal status	<p>Command: GET INVDO in SIG<CR><LF></p> <p>Return: rsp SIG <i>in value</i><CR><LF></p> <p>Parameter: in = {1, 2, 3, 4, 5}; 1:VGA 2:TXHDMI1 3:TXHDMI2 4:USB-C 5:RXHDMI value={NO_Signal;Have_Signal}</p> <p>Description: To verify Input signal status</p>	<p>Command: GET INVDO 1 SIG <CR><LF></p> <p>Return: rsp GET SIG 1 <i>Have_Signal</i><CR><LF></p> <p>Description: VGA Input Have signal.</p>
18	Set CEC function on/off	<p>Command: SET OUTVDO port CECIMME <i>prm</i><CR><LF></p> <p>Return: rsp PORT:port CECIMME <i>prm</i> <CR><LF></p> <p>Parameter: port = {1,2} 1:RXHDMIOUT 2:TXHDMIOUT <i>prm</i> = {on, off}</p> <p>Description: Config CEC function ON or OFF</p>	<p>Command: SET OUTVDO 2 CECIMME on<CR><LF></p> <p>Return: rsp SET OUTVDO 2 CECIMME on <CR><LF></p> <p>Description: Config CEC function ON</p>

IDX	Description	Command	Example
19	To set the display control automatically	<p>Command: SET OUTVDO port CECAUTO <i>prm</i> <CR><LF></p> <p>Return: rsp SET OUTVDO 2 CECAUTO <i>prm</i><CR><LF></p> <p>Parameter: <i>port</i> = {1, 2} 1: RXHDMIOUT 2: TXHDMIOUT <i>prm</i> = {on, off}, default: on</p> <p>Description: When the <i>prm</i> is on, Display control automatically Function is in active status. When the <i>prm</i> is off, Display control automatically Function is in inactive status.</p>	<p>Command: SET OUTVDO 2 CECAUTO on <CR><LF></p> <p>Return: rsp SET OUTVDO 2 CECAUTO on<CR><LF></p> <p>Description: Display control automatically</p>
20	To verify the display control Status	<p>Command: GET OUTVDO port CECAUTO <CR><LF></p> <p>Return: rsp GET OUTVDO 2 CECAUTO <i>prm</i> <CR><LF></p> <p>Parameter: <i>port</i> = {1, 2} 1: RXHDMIOUT 2: TXHDMIOUT <i>prm</i> = {on, off}, default: on</p> <p>Description: When the <i>prm</i> is on, Display</p>	<p>Command: GET OUTVDO 2 CECAUTO <CR><LF></p> <p>Return: rsp GET OUTVDO 2 CECAUTO <CR><LF></p> <p>Description: Display control automatically</p>

IDX	Description	Command	Example
		control automatically Function is in active status. When the prm is <i>off</i> , Display control automatically Function is in inactive status.	
21	Set CEC POWER Delay Time	<p>Command: SET OUTVDO port CECDELAY <i>prm</i><CR><LF></p> <p>Return: rsp OUTVDO port CECDELAY <i>prm</i><CR><LF></p> <p>Parameter: port = {1,2} 1: RXHDMIOUT 2: TXHDMIOUT, default: 2 min <i>prm</i> = {1,2,3,...} // according to the actual time counter, 1 means 1 minute ,2 means 2 minutes, Default wait time is 2 minutes, Max wait time is 30 minutes.</p> <p>Description: AUTOCEC_D is short for CEC auto Power Delay Timing</p>	<p>Command: SET OUTVDO 2 CECDELAY 2<CR><LF></p> <p>Return: rsp SET OUTVDO 2 CECDELAY 2<CR><LF></p> <p>Description: when no active signal, 2 minutes later, the unit will auto power off.</p>

IDX	Description	Command	Example
22	Get CEC POWER Delay Time	<p>Command: GET OUTVDO port CECDELAY <CR><LF></p> <p>Return: rsp OUTVDO port CECDELAY prm<CR><LF></p> <p>Parameter: port = {1,2} 1: RXHDMIOUT 2: TXHDMIOUT, default: 2 min prm = {1, 2, 3...} // according to the actual time counter, 1 means 1 minute, 2 means 2 minutes, Default wait time is 2 minutes, Max wait time is 30 minutes.</p> <p>Description: AUTOCEC_D is short for CEC auto Power Delay Timing</p>	<p>Command: GET OUTVDO 2 CECDELAY <CR><LF></p> <p>Return: rsp GET OUTVDO 2 CECDELAY 2<CR><LF></p> <p>Description: when no active signal, 2 minutes later, the unit will auto power off.</p>

IDX	Description	Command	Example
23	Set UART BAUDRATE	<p>Command: SET DEV UARTBAUD <i>prm</i><CR><LF></p> <p>Return: rsp DEV UARTBAUD <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i>= {9600, 19200, 38400, 57600,115200} default: 115200</p> <p>Description: Set UART BAUDRATE</p>	<p>Command: SET DEV UARTBAUD 9600<CR><LF></p> <p>Return: rsp SET DEV UARTBAUD 9600<CR><LF></p> <p>Description: Set UART baudrate to 9600</p>
24	Get UART BAUDRATE	<p>Command: GET DEV UARTBAUD<CR><LF></p> <p>Return: rsp DEV UARTBAUD <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i>= {9600, 19200, 38400, 57600, 115200} default: 115200</p> <p>Description: Get DEV UART BAUDRATE</p>	<p>Command: GET DEV UARTBAUD <CR><LF></p> <p>Return: rsp GET DEV UARTBAUD 9600<CR><LF></p> <p>Description: Get DEV UART baudrate 9600</p>

IDX	Description	Command	Example
25	Set dev uartalias	<p>Command: set dev uartalias str{.....}<CR><LF></p> <p>Return: rsp set dev uartalias str{.....}<CR><LF></p> <p>Description: set dev uartalias</p>	<p>Command: set dev uartalias xxx<CR><LF></p> <p>Return: rsp dev uartalias xxx<CR><LF></p> <p>Description: set dev uartalias</p>
26	Get dev uartalias	<p>Command: get dev uartalias <CR><LF></p> <p>Return: rsp get dev uartalias str{.....}<CR><LF></p> <p>Description: Gt dev uartalias</p>	<p>Command: get dev uartalias<CR><LF></p> <p>Return: rsp dev uartalias xxx<CR><LF></p> <p>Description: Get dev uartalias</p>
27	Set UART ENDCHAR	<p>Command: SET DEV UARTEND <i>prm</i><CR><LF></p> <p>Return: rsp DEV UARTEND <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {null, , cr, lf, crlf}, default: null cr: carriage return, ascii code is 0x0D. lf: line feed, ascii code is 0x0A.</p> <p>Description: Set DEV UART ENDCHAR</p>	<p>Command: SET DEV UARTENE <i>cr</i><CR><LF></p> <p>Return: rsp SET DEV UARTEND <i>cr</i><CR><LF></p> <p>Description: set DEV UART end Char is <i>cr</i></p>

IDX	Description	Command	Example
28	Get UART ENDCHAR	<p>Command: GET DEV UARTEND <CR><LF></p> <p>Return: rsp DEV UARTEND <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {null, , cr, lf, crlf}, default: null cr: carriage return, ascii code is 0x0D. lf: line feed, ascii code is 0x0A.</p> <p>Description: Get DEV UART ENDCHAR</p>	<p>Command: GET DEV UARTEND <CR><LF></p> <p>Return: rsp GET DEV UARTEND <i>cr</i><CR><LF></p> <p>Description: UART end Char is cr</p>
29	Set the device serial port automatic trigger command	<p>Command: set dev uartdata en{on off} type{hex str} data{...} <CR><LF></p> <p>Return: Rsp set dev uartdata en{on off} type{hex str} data{...}<CR><LF></p> <p>Parameter: data = {.....}</p> <p>Description: Set the device serial port automatic trigger command</p>	<p>Command: set dev uartdata on hex 00 11 22 <CR><LF></p> <p>Return: Rsp set dev uartdata on hex 00 11 22<CR><LF></p> <p>Description: Set the device serial port automatic trigger command</p>

IDX	Description	Command	Example
30	Get the device serial port automatic trigger command	<p>Command: get dev uartdata en{on off}<CR><LF></p> <p>Return: Rsp get dev uartdata en{on off} type{hex str} data{...}<CR><LF></p> <p>Parameter: data = {.....}</p> <p>Description: Get the device serial port automatic trigger command</p>	<p>Command: get dev uartdata on<CR><LF></p> <p>Return: Rsp get dev uartdata on hex 00 11 22<CR><LF></p> <p>Description: Get the device serial port automatic trigger command</p>
31	Set the serial port to trigger the setting command immediately	<p>Command: set dev uartpwren en{on off}<CR><LF></p> <p>Return: Rsp set dev uartpwren en{on off} data{...}<CR><LF></p> <p>Parameter: en = {on,off}</p> <p>Description: Set the serial port to trigger the setting command immediately</p>	<p>Command: set dev uartpwren on<CR><LF></p> <p>Return: Rsp set dev uartpwren on data{.....}<CR><LF></p> <p>Description: Set the serial port to trigger the setting command immediately</p>

IDX	Description	Command	Example
32	Set device serial port type data	<p>Command: set dev cuartdata type{displayin powerstatus la mphours} type{hex str} data{...} <CR><LF></p> <p>Return: Rsp set dev cuartdata type{displayin powerstatus la mphours} type{hex str} data{...}<CR><LF></p> <p>Parameter: data = {.....}</p> <p>Description: Set device serial port type data</p>	<p>Command: set dev cuartdata displayin str data{...} <CR><LF></p> <p>Return: Rsp set dev cuartdata displayin str data{...} <CR><LF></p> <p>Description: Set device serial port type data</p>
33	Get device serial port type data	<p>Command: get dev cuartdata type{displayin powerstatus la mphours} <CR><LF></p> <p>Return: Rsp dev cuartdata type{displayin powerstatus la mphours} type{hex str} data{...} <CR><LF></p> <p>Parameter: data = {.....}</p> <p>Description: Get device serial port type data</p>	<p>Command: get dev cuartdata displayin<CR><LF></p> <p>Return: Rsp get dev cuartdata displayin str data{...} <CR><LF></p> <p>Description: Get device serial port type data</p>

IDX	Description	Command	Example
34	Set UART to trigger user-defined setting command immediately	<p>Command: set dev cuartdataexe type{displayin powerstatus a mphours} <CR><LF></p> <p>Return: rsp set dev cuartdataexe type{displayin powerstatus a mphours}<CR><LF></p> <p>Parameter: type={displayin powerstatus amphours}</p> <p>Description: Set UART to trigger user-defined setting command immediately</p>	<p>Command: set dev cuartdataexe displayin<CR><LF></p> <p>Return: Rsp set dev cuartdataexe displayin data{.....}<CR><LF></p> <p>Description: Set UART to trigger user-defined setting command immediately</p>
35	Set dev cuartdelay time	<p>Command: set dev cuartdelay type{displayin} time{1~120}<CR><LF></p> <p>Return: rsp dev cuartdelay type{displayin} time{1~120}<CR><LF></p> <p>Description: set dev cuartdelay time</p>	<p>Command: set dev cuartdelay displayin 20<CR><LF></p> <p>Return: Rsp set dev cuartdelay displayin 20<CR><LF></p> <p>Description: set dev cuartdelay time</p>

IDX	Description	Command	Example
36	Get the serial port send command delay time	<p>Command: get dev cuartdelay type{displayin}<CR><LF></p> <p>Return: rsp dev cuartdelay type{displayin} time{1~120}<CR><LF></p> <p>Description: Get dev cuartdelay time</p>	<p>Command: get dev cuartdelay displayin<CR><LF></p> <p>Return: Rsp get dev cuartdelay displayin 20<CR><LF></p> <p>Description: Get dev cuartdelay time</p>
37	To Set Relay mode	<p>Command: SET DEV RELAYMODE <i>prm</i><CR><LF></p> <p>Return: rsp DEV RELAYMODE <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {lvl, mom}, default: lvl</p> <p>Description: Set Relay mode</p>	<p>Command: SET DEV RELAYMODE <i>lvl</i><CR><LF></p> <p>Return: rsp SET DEV RELAYMODE <i>lvl</i><CR><LF></p> <p>Description: Set relay to latching mode.</p>
38	To Get Relay mode	<p>Command: GET DEV RELAYMODE <CR><LF></p> <p>Return: rsp DEV RELAYMODE <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {lvl, mom}, default: lvl</p> <p>Description: <i>Get Relay mode</i></p>	<p>Command: GET DEV RELAYMODE <CR><LF></p> <p>Return: rsp GET DEV RELAYMODE <i>lvl</i><CR><LF></p> <p>Description: The relay mode is latch.</p>

IDX	Description	Command	Example
39	To Set Device Work mode	<p>Command: SET DEV SWITCHMODE <i>prm</i><CR><LF></p> <p>Return: rsp DEV RELAYMODE <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {MATRIX, SWITCHER}, default: matrix</p> <p>Description: Set Switch mode</p>	<p>Command: SET DEV SWITCHMODE MATRIX<CR><LF></p> <p>Return: rsp SET DEV SWITCHMODE MATRIX<CR><LF></p> <p>Description: Set switch to matrix mode.</p>
40	To Get Device Work mode	<p>Command: GET DEV SWITCHMODE <CR><LF></p> <p>Return: rsp DEV RELAYMODE <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {MATRIX, SWITCHER}, default: matrix</p> <p>Description: Get Switch mode</p>	<p>Command: GET DEV SWITCHMODE <CR><LF></p> <p>Return: rsp GET DEV SWITCHMODE MATRIX<CR><LF></p> <p>Description: Get switch to matrix mode.</p>

IDX	Description	Command	Example
41	To Set Momentary Time	<p>Command: SET DEV RELAYMTIME <i>prm</i><CR><LF></p> <p>Return: rsp DEV RELAYMTIME <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {1 ~10} // seconds, default 3 s</p> <p>Description: Set Relay Momentary Time</p>	<p>Command: SET DEV RELAYMTIME 3<CR><LF></p> <p>Return: rsp SET DEV RELAYMTIME 3<CR><LF></p> <p>Description: hold for <i>prm</i> seconds with a default of 3 seconds on momentary mode.</p>
42	To Get Momentary Time	<p>Command: GET DEV RELAYMTIME <CR><LF></p> <p>Return: rsp DEV RELAYMTIME <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {1 ~10} // seconds, default 3 s</p> <p>Description: <i>Get Relay Momentary Time</i></p>	<p>Command: GET DEV RELAYMTIME <CR><LF></p> <p>Return: rsp GET DEV RELAYMTIME 3<CR><LF></p> <p>Description: Hold for <i>prm</i> seconds with a default of 3 seconds on momentary mode.</p>
43	To Set Relay for raising or lowering a projector screen.	<p>Command: SET DEV PROSCR <i>prm</i> <CR><LF></p> <p>Return: rsp DEV PROSCR <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {0, 1} 0: lowering 1: raising</p> <p>Description: <i>To Set Relay for raising or lowering a projector screen.</i></p>	<p>Command: SET DEV PROSCR 0 <CR><LF></p> <p>Return: rsp SET DEV PROSCR 0<CR><LF></p> <p>Description: To Set Relay for lowering a projector screen on RX.</p>

IDX	Description	Command	Example
44	Set the output x video port resolution	<p>Command: set outvdo port{1} resolution type{...} <CR><LF></p> <p>Return: Rsp set outvdo port{1~x} resolution type{...}<CR><LF></p> <p>Parameter: port ={1}, default: auto type = {auto, 4096*2160@60 4096*2160@30 4096*2160@25 4096*2160@24 3840*2160@60 3840*2160@50 3840*2160@30 3840*2160@25 3840*2160@24 1920*1200@60 1920*1080@60 1920*1080@50 1280*720@60 1280*720@50 1680*1050@60 1600*1200@60 1600*900@60 1440*900@60 1366*768@60 1360*768@60 1280*1024@60 1280*960@60 1280*800@60 1280*768@60 1024*768@60 800*600@60}</p> <p>Description: Set the output x video port resolution.</p>	<p>Command: set outvdo 1 resolution 1920*1080@60 <CR><LF></p> <p>Return: Rsp set outvdo 1 resolution 1920*1080@60<CR><LF></p> <p>Description: Set the output x video port resolution</p>

IDX	Description	Command	Example
45	Get the output x video port resolution	<p>Command: get outvdo port{1} resolution <CR><LF></p> <p>Return: Rsp get outvdo port{1~x} resolution type{...} [real time resolution]<CR><LF></p> <p>Parameter: port = {1} type = {auto, 4096*2160@60 4096*2160 @30 4096*2160@25 4096*2 160@24 3840*2160@60 384 0*2160@50 3840*2160@30 3840*2160@25 3840*2160 @24 1920*1200@60 1920*1 080@60 1920*1080@50 128 0*720@60 1280*720@50 16 80*1050@60 1600*1200@6 0 1600*900@60 1440*900@ 60 1366*768@60 1360*768 @60 1280*1024@60 1280*960@ 60 1280*800@60 1280*768 @60 1024*768@60 800*600@60}, default 1920*1080@60</p> <p>Description: Get the output x video port resolution.</p>	<p>Command: get outvdo 1 resolution <CR><LF></p> <p>Return: Rsp get outvdo 1 resolution auto 1920*1080@60<CR><LF></p> <p>Description: Get the output x video port resolution</p>

IDX	Description	Command	Example
46	Set Input EDID	<p>Command: SET INVDO port EDID <i>prm</i><CR><LF></p> <p>Return: rsp INVDO port EDID <i>prm</i><CR><LF></p> <p>Parameter: port = {1, 2, 3, 4, 5}; 1: VGA 2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI <i>prm</i> = {0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,12} , //For VGA Input default: 0 0: 1920x1200@60Hz 1: 1920x1080@60Hz 2: 1680x1050@60Hz 3: 1600x900@60Hz 4: 1440x900@60Hz 5: 1360x768@60Hz 6: 1280x768@60Hz 7: 1024x768@60Hz //For HDMI/USB-C Input default: 1 0: 3840x2160@60Hz 1: 3840x2160@30Hz 2: 3840x2160@30Hz_noHDR 3: 1920x1200@60Hz 4: 1920x1080@60Hz 5: 1680x1050@60Hz 6: 1600x900@60Hz 7: 1440x900@60Hz</p>	<p>Command: SET INVDO 3 EDID 0<CR><LF></p> <p>Return: rsp SET INVDO 3 EDID 0<CR><LF></p> <p>Description: Set Input EDID</p>

IDX	Description	Command	Example
		<p>8: 1366x768@60Hz 9: 1280x720@60Hz 10: 1024x768@60Hz 11: COPY FROM RX 12: COPY FROM TX (RXHDMI has no this selection)</p> <p>Description: Set Input EDID</p>	
47	Get Input EDID	<p>Command: GET INVDO port EDID<CR><LF></p> <p>Return: rsp INVDO port EDID prm<CR><LF></p> <p>Parameter: port = {1, 2, 3, 4, 5}; 1: VGA 2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI prm = {0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12} default: 0 //For VGA Input 0: 1920x1200@60Hz 1: 1920x1080@60Hz 2: 1680x1050@60Hz 3: 1600x900@60Hz 4: 1440x900@60Hz 5: 1360x768@60Hz 6: 1280x768@60Hz 7: 1024x768@60Hz //For HDMI/USB-C Input 0: 3840x2160@60Hz</p>	<p>Command: GET INVDO 3 EDID <CR><LF></p> <p>Return: rsp GET INVDO 3 EDID 0<CR><LF></p> <p>Description: Get Input EDID</p>

IDX	Description	Command	Example
		<p>1: 3840x2160@30Hz 2:3840x2160@30Hz_noHDR 3: 1920x1200@60Hz 4: 1920x1080@60Hz 5: 1680x1050@60Hz 6: 1600x900@60Hz 7: 1440x900@60Hz 8: 1366x768@60Hz 9: 1280x720@60Hz 10: 1024x768@60Hz 11: COPY FROM RX 12: COPY FROM TX (RXHDMI has no this selection)</p> <p>Description: Get Input EDID</p>	
48	Set Input HDCP support ON/OFF	<p>Command: SET INVDO port HDCP en{on off}<CR><LF></p> <p>Return: rsp INVDO port HDCP en<CR><LF></p> <p>Parameter: en ={off, on} , default:on port = {2, 3, 4, 5}; VGA port doesn't support HDCP 2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI</p> <p>Description: HDCP_S will control source hdcp support on or off</p>	<p>Command: SET INVDO 2 HDCP on<CR><LF></p> <p>Return: rsp SET INVDO 2 HDCP on<CR><LF></p> <p>Description: Set TXHDMI HDCP on</p>

IDX	Description	Command	Example
49	Get Input HDCP support ON/OFF Status	<p>Command: GET INVDO port HDCP <CR><LF></p> <p>Return: rsp INVDO port HDCP <i>prm</i><CR><LF></p> <p>Parameter: <i>prm</i> = {off, on}, default: on <i>port</i> = {2, 3, 4, 5};</p> <p>2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI</p> <p>Description: HDCP_S is short for HDCP support</p>	<p>Command: GET INVDO 2 HDCP<CR><LF></p> <p>Return: rsp GET INVDO 2 HDCP <i>on</i><CR><LF></p> <p>Description: TXHDMI HDCP on.</p>
50	Factory reset	<p>Command: SET DEV RESET <CR><LF></p> <p>Return: RESET <CR><LF></p> <p>Description: Factory reset</p>	<p>Command: SET DEV RESET <CR><LF></p> <p>Return: RESET <CR><LF></p> <p>Description: Factory reset</p>

IDX	Description	Command	Example
51	System reboot	<p>Command: SET DEV REBOOT <CR><LF></p> <p>Return: REBOOT <CR><LF></p> <p>Description: system reboot</p>	<p>Command: SET DEV REBOOT <CR><LF></p> <p>Return: rsp SET DEV REBOOT <CR><LF></p> <p>Description: System reboot</p>
52	Get selected target firmware version	<p>Command: GET DEV VER type<CR><LF></p> <p>Return: rsp get DEV VER type<CR><LF></p> <p>Parameter: type = {tx-core tx-in-vdo rx-core rx-in-vdo rx-scaler}</p> <p>Description: Get selected target firmware version</p>	<p>Command: GET DEV VER tx-core <CR><LF></p> <p>Return: rsp get dev ver tx-core V1.4<CR></p> <p>Description: Get firmware version</p>

IDX	Description	Command	Example
53	Set the input x video port alias	<p>Command: set invdo port{1~x} alias string{xxxxxx} <CR><LF></p> <p>Return: Rsp set invdo port{1~x} alias string{xxxxxx}<CR><LF></p> <p>Parameter: port={1, 2, 3, 4, 5} 1: VGA 2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI</p> <p>Description: Set the input x video port alias</p>	<p>Command: set invdo 1 alias vga<CR><LF></p> <p>Return: Rsp set invdo 1 alias vga<CR><LF></p> <p>Description: Set the input x video port alias</p>
54	Get the input x video port alias	<p>Command: get invdo port{1~x} alias<CR><LF></p> <p>Return: Rsp get invdo port{1~x} alias string{xxxxxx}<CR><LF></p> <p>Parameter: port={1, 2, 3, 4, 5} 1: VGA 2: TXHDMI1 3: TXHDMI2 4: USB-C 5: RXHDMI</p> <p>Description: Get the input x video port alias</p>	<p>Command: get invdo 1 alias<CR><LF></p> <p>Return: Rsp get invdo 1 alias vga<CR><LF></p> <p>Description: Get the input x video port alias</p>

IDX	Description	Command	Example
55	Set the output x video port alias	<p>Command: set outvdo port{1~x} alias string{xxxxxx}<CR><LF></p> <p>Return: Rsp set outvdo port{1~x} alias string{xxxxxx}<CR><LF></p> <p>Parameter: port={1, 2} 1: RX-OUT 2: TX-OUT</p> <p>Description: Set the output x video port alias</p>	<p>Command: set outvdo 1 alias RX-OUT<CR><LF></p> <p>Return: Rsp set outvdo 1 alias RX-OUT<CR><LF></p> <p>Description: Set the output x video port alias</p>
56	Get the output x video port alias	<p>Command: get outvdo port{1~x} alias<CR><LF></p> <p>Return: Rsp get outvdo port{1~x} alias string{xxxxxx}<CR><LF></p> <p>Parameter: port={1, 2} 1: RX-OUT 2: TX-OUT</p> <p>Description: Get the output x video port alias</p>	<p>Command: get outvdo 1 alias<CR><LF></p> <p>Return: Rsp get outvdo 1 alias RX-OUT<CR><LF></p> <p>Description: Get the output x video port alias</p>

IDX	Description	Command	Example
57	Set device network mode	<p>Command: SET DEV NETCFG MODE prm <CR><LF></p> <p>Return: rsp SET DEV NETCFG MODE prm <CR><LF></p> <p>Parameter: prm = {dhcp, static}, default: dhcp</p> <p>Description: Set device network mode</p>	<p>Command: SET DEV NETCFG MODE dhcp <CR><LF></p> <p>Return: rsp SET DEV NETCFG MODE dhcp <CR></p> <p>Description: Set device network mode dhcp</p>
58	Set device network mode	<p>Command: GET DEV NETCFG MODE <CR><LF></p> <p>Return: rsp GET DEV NETCFG MODE prm <CR><LF></p> <p>Parameter: prm = {dhcp, static} default: dhcp</p> <p>Description: Get device network mode</p>	<p>Command: GET DEV NETCFG MODE <CR><LF></p> <p>Return: rsp GET DEV NETCFG MODE dhcp <CR></p> <p>Description: Get device network mode dhcp</p>

IDX	Description	Command	Example
59	(The command is only supported by RX) Set device ip information	<p>Command: SET DEV NETCFG ADDR IP4ADDR xxx.xxx.xxx.xxx MASK xxx.xxx.xxx.xxx GATEWAY xxx.xxx.xxx.xxx<CR><LF></p> <p>Return: rsp SET DEV NETCFG ADDR IP4ADDR xxx.xxx.xxx.xxx MASK xxx.xxx.xxx.xxx GATEWAY xxx.xxx.xxx.xxx <CR><LF></p> <p>Parameter: prm = {...}</p> <p>Description: Set device ip information</p>	<p>Command: set dev netcfg addr ip4addr 192.168.1.10 mask 255.255.255.255 gateway 192.168.1.1 <CR><LF></p> <p>Return: Rsp set dev netcfg addr ip4addr 192.168.1.10 mask 255.255.255.255 gateway 192.168.1.1 <CR></p> <p>Description: Set device ip information</p>
60	Get device ip information	<p>Command: GET DEV NETCFG ADDR <CR><LF></p> <p>Return: rsp GET DEV NETCFG ADDR IP4ADDR xxx.xxx.xxx.xxx MASK xxx.xxx.xxx.xxx GATEWAY xxx.xxx.xxx.xxx <CR><LF></p> <p>Parameter: prm = {...}</p> <p>Description: Get device ip information</p>	<p>Command: get dev netcfg addr <CR><LF></p> <p>Return: Rsp get dev netcfg addr ip4addr 192.168.1.10 mask 255.255.255.255 gateway 192.168.1.1 <CR></p> <p>Description: Get device ip information</p>

IDX	Description	Command	Example
61	Set the device MAC address	<p>Command: SET DEV MACADDRESS xx:xx:xx:xx:xx <CR><LF></p> <p>Return: rsp SET DEV MACADDRESS xx:xx:xx:xx:xx<CR><LF></p> <p>Parameter: prm = {.....}</p> <p>Description: set device mac information</p>	<p>Command: SET DEV MACADDRESS 34:1B:22:11:11:11 <CR><LF></p> <p>Return: rsp SET DEV MACADDRESS 34:1B:22:11:11:11 <CR></p> <p>Description: set device mac information</p>
62	Get the device MAC address	<p>Command: GET DEV MACADDRESS <CR><LF></p> <p>Return: rsp GET DEV MACADDRESS xx:xx:xx:xx:xx<CR><LF></p> <p>Parameter: prm = {.....}</p> <p>Description: Get device mac information</p>	<p>Command: GET DEV MACADDRESS <CR><LF></p> <p>Return: rsp GET DEV MACADDRESS 34:1B:22:11:11:11 <CR></p> <p>Description: Get device mac information</p>

IDX	Description	Command	Example
63	Get Commands list	Command: HELP<CR><LF> Return: HELP<CR><LF>	Command: HELP<CR><LF> Return: HELP<CR><LF> [1]set dev autosw prm <CR><LF> (set dev auto switch function is in active status.) [2]get dev autosw<CR><LF> (get dev auto swtich mode is in active status or inactive status.) [3]set dev keylock prm <CR><LF> (set key lock function is in active status.) [4]get dev keylock<CR><LF> (get key lock mode is in active status or inactive status.) [5]set inado status prm<CR><LF> (get the input volume status)

IDX	Description	Command	Example
			<p>[6]get inado status <CR><LF> (get the input volume status)</p> <p>[7]set dev micgain prm <CR><LF> (set device mic gain)</p> <p>[8]get dev micgain <CR><LF> (get device mic gain)</p> <p>[9]set inado port{1~x} mute en{off on}<CR><LF> (set the audio mute)</p> <p>[10]get inado port{1~x} mute <CR><LF> (get the audio mute)</p> <p>[11]set inado port{1~x} volume prm<CR><LF> (set the input audio volume 50)</p> <p>[12]get inado port{1~x} volume <CR><LF> (get the input audio volume 50)</p> <p>[13]set dev ado_ch port{1~4} <CR><LF> (set device audio input channel selection)</p> <p>[14]get dev ado_ch <CR><LF> (get device audio input channel selection)</p> <p>[15]set dev ch in out <CR><LF> (switch txhdm2 for tx sink)</p> <p>[16]get dev ch out<CR><LF> (get which input mapping to rx)</p> <p>[17]get invdo in sig<CR><LF> (vga Input have_signal).</p> <p>[18]set outvdo port cecimme prm<CR><LF> (config cec function on)</p>

IDX	Description	Command	Example
			<p>[19]set outvdo port cecauto prm <CR><LF> (display control automatically)</p> <p>[20]get outvdo port cecauto <CR><LF> (display control automatically)</p> <p>[21]set outvdo port cecdelay prm<CR><LF> (when no active signal, 2 minutes later, the unit will auto power off.)</p> <p>[22]get outvdo port cecdelay <CR><LF> (when no active signal, 2 minutes later, the unit will auto power off.)</p> <p>[23]set dev uartbaud prm<CR><LF> (set uart baudrate 9600)</p> <p>[24]get dev uartbaud<CR><LF> (get dev uart baudrate 9600)</p> <p>[25]set dev uartalias str{.....}<CR><LF> (set dev uartalias)</p> <p>[26]get dev uartalias <CR><LF> (get dev uartalias)</p> <p>[27]set dev uartend prm<CR><LF> (set dev uart end Char is cr)</p> <p>[28]get dev uartend <CR><LF> (uart end Char is cr)</p> <p>[29]set dev uartdata en{on off} type{hex str} data{...}<CR><LF> (set the device serial port to immediately trigger the command)</p>

IDX	Description	Command	Example
			<p>[30]get dev uartdata en{on off}<CR><LF> (get the device serial port automatic trigger command)</p> <p>[31]set dev uartpwren en{on off}<CR><LF> (Set the serial port to trigger the setting command immediately)</p> <p>[32]set dev cuartdata type{displayin powerstatus lamphours} type{hex str} data{...} <CR><LF>(set device serial port type data)</p> <p>[33]get dev cuartdata type{displayin powerstatus lamphours} <CR><LF> (get device serial port type data)</p> <p>[34]set dev cuartdataexe displayin<CR><LF> (Set UART to trigger user-defined setting command immediately)</p> <p>[35]set dev cuartdelay type{displayin} time{1~120}<CR><LF> (set dev cuartdelay time)</p> <p>[36]get dev cuartdelay type{displayin}<CR><LF> (get dev cuartdelay time)</p> <p>[37]set dev relaymode prm<CR><LF> (set relay to latching mode.)</p> <p>[38]get dev relaymode <CR><LF> (get the relay mode .)</p> <p>[39]set dev switchmode prm<CR><LF> (set switch to matrix mode.)</p>

IDX	Description	Command	Example
			<p>[40]get dev switchmode<CR><LF> (get switch to matrix mode.)</p> <p>[41]set dev relaymtime prm<CR><LF> (hold for prm seconds with a default of 3 seconds on momentary mode.)</p> <p>[42]get dev relaymtime <CR><LF> (hold for prm seconds with a default of 3 seconds on momentary mode.)</p> <p>[43]set dev proscr prm <CR><LF> (set Relay for lowering a projector screen on RX.)</p> <p>[44]set outvdo port{1~x} resolution type{...} <CR><LF> (set the output x video port resolution)</p> <p>[45]get outvdo port{1~x} resolution <CR><LF> (get the output x video port resolution)</p> <p>[46]set invdo port edid prm<CR><LF> (set Input edid)</p> <p>[47]get invdo port edid<CR><LF> (get Input edid)</p> <p>[48]set invdo port hdcp en{on off}<CR><LF> (set txhdmi hdcp on)</p> <p>[49]get invdo port hdcp <CR><LF> (txhdmi hdcp on.)</p> <p>[50]set dev reset <CR><LF> (factory reset)</p> <p>[51]set dev reboot</p>

IDX	Description	Command	Example
			<p><CR><LF> (system reboot)</p> <p>[52]get dev ver type <CR><LF> (get firmware version)</p> <p>[53]set invdo port{1~x} alias string{xxxxxx} <CR><LF> (set the input x video port alias)</p> <p>[54]get invdo port{1~x} alias<CR><LF> (get the input x video port alias)</p> <p>[55]set outvdo port{1~x} alias string{xxxxxx}<CR><LF> (set the output x video port alias)</p> <p>[56]get outvdo port{1~x} alias<CR><LF> (get the output x video port alias)</p> <p>[57]set dev netcfg mode prm <CR><LF> (set device network mode dhcp)</p> <p>[58]get dev netcfg mode <CR><LF> (get device network mode dhcp)</p> <p>[59]set dev netcfg addr ip4addr xxx.xxx.xxx.xxx mask xxx.xxx.xxx.xxx gateway xxx.xxx.xxx.xxx<CR><LF> (set device ip information)</p> <p>[60]get dev netcfg addr ip4addr <CR><LF> (get device ip information)</p> <p>[61]set dev macaddress xx:xx:xx:xx:xx <CR><LF> (set device mac information)</p> <p>[62]get dev macaddress <CR><LF> (get device mac information)</p>