

RS232 Commands

LUH25E KIT 8 x 5 Universal Switcher/Processor



RS232 Control

The RS232 port of switcher has two control methods.

Local control: Connect the RS232 port to a control device (e.g. PC) to control the switcher with RS232 commands.

Display device control: The RS232 port is used with the RS232 port of a far-end HDBaseT receiver to control the display device (e.g. Projector).

RS232 Commands:

The command lists are used to control the switcher. The RS232 control software needs to be installed on the control PC to send RS232 commands.

After installing the RS232 control software, set the parameters of COM number, baud rate, data bit, stop bit, and parity bit correctly, then commands can be sent to the device.

Baud rate: 9600

Data bit: 8

Stop bit: 1

Parity bit: None

Notes:

- All commands need to be terminated with "<CR>"
- All feedbacks are terminated with "<CR><LF>"
- In the commands, "[" and "]" MUST be typed in actual operation
- Type commands carefully, as they are case-sensitive
- These same commands are used with TCP/IP port 4001

1 Audio and video switchings

Commands	Function	Example and Feedback
OUT[xx]:[yy].	<p>[xx] = 00,01,02,04,05,A,B,C,D 00 - All Output 01 - HDMI1 02 - HDMI2 04 - HDBT4 05 - HDBT5 A,B,C,D - Windows</p> <p>[yy] = 00~08 00 - OFF 01~08 - Input</p>	<p>OUT 01:04. \OUT A:04.</p> <p>Output 01 Switch To In 04! \Output A Switch To In 04!</p>
STA_OUT.	<p>Get the current Video switching status of the output channel STA_OUT.</p>	<p>STA_OUT.</p> <p>Output 01 Switch To In 04! Output 02 Switch To In 04! Output 04 Switch To In 04! Output 05 Switch To In 04! Output A Switch To In 04! Output B Switch To In 04! Output C Switch To In 04! Output D Switch To In 04!</p>
AUDIO[xx]:[yy].	<p>Switch an input audio signal to outputs [xx] = 01~03 01 - Main 02 - Far-End 03 - AEC Ref.</p> <p>[yy] = 01~08 01~08 - Input (AEC Ref:[yy] = 01~09,01~08 - Input,09 = Main)</p>	<p>AUDIO 01:04. \AUDIO 03:09.</p> <p>Output Audio 01 Switch To In 04! \Output Audio 03 Switch To In 09!</p>
STA_AUDIO.	<p>Get the current Audio switching status of the output channel</p>	<p>STA_AUDIO.</p> <p>Output Audio 01 Switch To In 04! Output Audio 02 Switch To In 04! Output Audio 03 Switch To In 04!</p>

2 Audio Setting

Commands	Function	Example and Feedback
MIC48V[xx]ON. /MIC48V[xx]OFF.	<p>Enable/Disable MIC 48V function</p>	<p>MIC48V 01 ON. /MIC48V 01 OFF.</p>

	[xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4	MIC 01 48V ON! /MIC 01 48V OFF!
STA_MIC48V.	Get MIC 48V status	STA_MIC48V. MIC 01 48V ON! MIC 02 48V ON! MIC 03 48V ON! MIC 04 48V ON!
MICAEC[xx]ON. /MICAEC[xx]OFF.	Enable/Disable AEC function [xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4	MICAEC 01 ON. /MICAEC 01 OFF. MIC 01 AEC ON! /MIC 01 AEC OFF!
STA_MICAEC.	Get MIC AEC status	STA_MICAEC. MIC 01 AEC ON! MIC 02 AEC ON! MIC 03 AEC ON! MIC 04 AEC ON!
MICGAIN[xx]:[yy].	Set Gain function [xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4 [yy] = 00~07 0 = Line, 1 = 6dB, 2 = 12dB, 3 = 18dB, 4 = 24dB, 5 = 30dB, 6 = 36dB, 7 = 42dB(One unit is six dB)	MICGAIN 01:01. MIC 01 Gain 01!
STA_MICGAIN.	Get MIC Gain status	STA_MICGAIN. MIC 01 Gain 01! MIC 02 Gain 01! MIC 03 Gain 01! MIC 04 Gain 01!
MICLEVEL[xx]:[yy].	Set MIC Level function	MICLEVEL 01:60.

	[xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4 [yy] = 00~60(-80 - 20dB) 0 - 20: Step 3 dB 20 - 60: Step 1 dB	MIC 01 Volume Level 60!
STA_MICLEVEL.	Get MIC Level status	STA_MICLEVEL. MIC 01 Volume Level 01! MIC 02 Volume Level 01! MIC 03 Volume Level 01! MIC 04 Volume Level 01!
MICNR[xx]:[yy].	Set NR function [xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4 [yy] = 00 ~ 40	MICNR 01:40. MIC 01 Noise Reduction 40!
STA_MICNR.	Get MIC NR status	STA_MICNR. MIC 01 Noise Reduction 40! MIC 02 Noise Reduction 40! MIC 03 Noise Reduction 40! MIC 04 Noise Reduction 40!
MICDT[xx]:[yy].	Set DoubleTalk function [xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4 [yy] = 00 ~ 50	MICDT 01:50. MIC 01 DoubleTalk 50!
STA_MICDT.	Get MIC Double Talk status	STA_MICDT. MIC 01 DoubleTalk 50! MIC 02 DoubleTalk 50! MIC 03 DoubleTalk 50! MIC 04 DoubleTalk 50!

MIX5EQ[xx]:[yy].	Set Mix5EQ function [xx] = 01 ~ 05 01 - 60Hz 02 - 230Hz 03 - 910Hz 04 - 3.6KHz 05 - 14KHz [yy] = 00 ~ 24 00 - 12: -12 - 0dB 12 - 24: 0 - 12dB	MIX5EQ 01:12. Speech Mix 01 Equilibrium Gain 00!
STA_MIX5EQ.	Get Mix 5EQ status	STA_MIX5EQ. Speech Mix 01 Equilibrium Gain 12! Speech Mix 02 Equilibrium Gain 12! Speech Mix 03 Equilibrium Gain 12! Speech Mix 04 Equilibrium Gain 12! Speech Mix 05 Equilibrium Gain 12!
OUTPUTLV[xx]:[yy].	Set Output Levels function [xx] = 01 ~ 04 01 - Source 02 - Reference 03 - Speech 04 - Far-End [yy] = 00 ~ 60 00 - 60: -60 - 0dB "MU":Mute "UM":Unmute	OUTPUTLV 01:60. \OUTPUTLV 01:MU. \OUTPUTLV 01:UM. Output 01 Volume Level 60! \Output 01 Volume Level Mute! \Output 01 Volume Level Unmute!
STA_OUTPUTLV.	Get Output Levels status	STA_OUTPUTLV. Output 01 Volume Level 60! Output 02 Volume Level 60! Output 03 Volume Level 60! Output 04 Volume Level 60!
MIXSPEECH[xx]ON. \MIXSPEECH[xx]OFF.	Set MixSpeech function [xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4	MIXSPEECH 01 ON. \MIXSPEECH 01 OFF. Speech Mix MIC 01 ON! \Speech Mix MIC 01 OFF!
MIXSPEECHLV[xx]:[yy].	Set MixSpeech Levels function [xx] = 00~04	MIXSPEECHLV 01:60. Speech Mix MIC 01 Volume Level 60!

	00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4 [yy] = 00 ~ 60 00 - 60: -60 - 0dB	
STA_MIXSPEECH.	Get Mix Speech status	STA_MIXSPEECH. Speech Mix MIC 01 ON! Speech Mix MIC 02 ON! Speech Mix MIC 03 ON! Speech Mix MIC 04 ON! Speech Mix MIC 01 Volume Level 60! Speech Mix MIC 02 Volume Level 60! Speech Mix MIC 03 Volume Level 60! Speech Mix MIC 04 Volume Level 60!
MIXFAREND[xx]ON. \MIXFAREND[xx]OFF.	Set MixFarEnd function [xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4	MIXFAREND 01 ON. MIXFAREND 01 OFF. Far End Mix MIC 01 ON! Far End Mix MIC 01 OFF!
MIXFARENDLV[xx]:[yy].	Set MixFarEnd Levels function [xx] = 00~04 00 - All MIC 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4 [yy] = 00 ~ 60 00 - 60: -60 - 0dB	MIXFARENDLV 01:60. Far End MIC 01 Volume Level 60!
STA_MIXFAREND.	Get MixFarEnd status	STA_MIXFAREND. Far End Mix MIC 01 ON! Far End Mix MIC 02 ON! Far End Mix MIC 03 ON! Far End Mix MIC 04 ON! Far End Mix MIC 01 Volume Level 60! Far End Mix MIC 02 Volume Level 60! Far End Mix MIC 03 Volume Level 60! Far End Mix MIC 04 Volume Level 60!
MIXMIC[xx]MU.	Set Mix MIC mute	MIXMIC 01 MU.

\MIXMIC[xx]UM.	[xx] = 01~04 01 - MIC1 02 - MIC2 03 - MIC3 04 - MIC4	\MIXMIC 01 UM. Set Mix Audio MIC 01 Mute! \Set Mix Audio MIC 01 Unmute!
STA_MIXMUTE.	Get Mix MIC mute	STA_MIXMUTE. Mix Audio MIC 01 Mute! Mix Audio MIC 02 Mute! Mix Audio MIC 03 Mute! Mix Audio MIC 04 Mute!
HDBTAUDIOEMON. \HDBTAUDIOEMOFF.	Set HDBT Audio Embedded Enable	HDBTAUDIOEMON. \HDBTAUDIOEMOFF. HDBT Audio Embedded ON! \HDBT Audio Embedded OFF!
STA_HDBTAUDIOEM.	Get HDBT Audio Embedded Enable	STA_HDBTAUDIOEM. HDBT Audio Embedded ON!
MVAUDIOEMON. \MVAUDIOEMOFF.	Set Multiview Audio Embedded Enable	MVAUDIOEMON. \MVAUDIOEMOFF. Multiview Audio Embedded ON! \Multiview Audio Embedded OFF!
STA_MVAUDIOEM.	Get Multiview Audio Embedded Enable	STA_MVAUDIOEM. Multiview Audio Embedded ON!

3 Function Setting

Commands	Function	Example and Feedback
Baudrate[xx].	Set the RS232 baud rate [xx] = 115200, 57600, 38400,19200,9600	Baudrate115200. Set Local RS232 Baudrate Is 115200!
HDCPIN[xx]ON. \HDCPIN[xx]OFF.	Turn on/off HDCP on HDMI input [xx] = 00~08 00 - All HDMI Input 01 - Input HDMI1 02 - Input HDMI2 03 - Input HDMI3 04 - Input HDMI4 05 - Input HDMI5 06 - Input HDMI6 07 - Input HDMI7 08 - Input HDMI8	HDCPIN 01 ON. \HDCPIN 01 OFF. Set HDMI 01 Input HDCP ON! \Set HDMI 01 Input HDCP OFF!

STA_HDCPIN.	Get the HDCP status of HDMI input	STA_HDCPIN. HDMI 01 Input HDCP ON! HDMI 02 Input HDCP ON! HDMI 03 Input HDCP ON! HDMI 04 Input HDCP ON! HDMI 05 Input HDCP ON! HDMI 06 Input HDCP ON! HDMI 07 Input HDCP ON! HDMI 08 Input HDCP ON!
HDCP[xx]:[yy].	Set the HDCP mode for output port [xx] = (01,02,04,05) HDMI Output Port [yy] = 00~02 [yy] = 00: Off [yy] = 01: HDCP1.4 [yy] = 02: HDCP 2.2	HDCP 01:00. HDCP 02:01. HDCP 03:02. OUT 01 HDCP OFF! \OUT 01 HDCP 1.4! \OUT 01 HDCP 2.2!
STA_HDCP.	Get the HDCP mode of output port	STA_HDCP. OUT 01 HDCP OFF! OUT 02 HDCP OFF! OUT 04 HDCP OFF! OUT 05 HDCP OFF!
EDID/[xx]/[yy].	Set the EDID mode [xx] = 01~08 01~08 - Input Port [yy] = 01 ~ 08 00 - From HDMI Out 1 Display 01 - 1920x1080@60Hz DVI No Audio 02 - 1920x1080@60Hz 8 bit Stereo Audio 03 - 1920x1200@60Hz 8 bit Stereo Audio 04 - 3840x2160@30Hz 8 bit Stereo Audio 05 - 3840x2160@60Hz 4:2:0 Deep Color Stereo Audio 06 - 3840x2160@60Hz Deep Color Stereo Audio 07 - From HDBT Out 4 Display	EDID/03/01. Input 03 EDID Upgrade OK By 01 EDID!

	08 - USER	
STA_EDID.	Get the EDID mode	STA_EDID. Input 01 EDID Upgrade OK By 01 EDID! Input 02 EDID Upgrade OK By 01 EDID! Input 03 EDID Upgrade OK By 01 EDID! Input 04 EDID Upgrade OK By 01 EDID! Input 05 EDID Upgrade OK By 01 EDID! Input 06 EDID Upgrade OK By 01 EDID! Input 07 EDID Upgrade OK By 01 EDID! Input 08 EDID Upgrade OK By 01 EDID!
EDIDUpgrade.	Upload the user EDID	EDIDUpgrade. User EDID ready,Please send edid data in 10s. UpdateUserEDID True/False. /Time out to send EDID.
CECON. \CECOFF.	Enable/Disable CEC	CECON. \CECOFF. Set CEC ON! \Set CEC OFF!
STA_CEC.	Get the Enable/Disable CEC	STA_CEC. CEC ON!
Lock. \Unlock.	Lock/unlock the keypad	Lock. \Unlock. Front Panel Locked! \Front Panel UnLock!
STA_Lock.	Get the keypad locking status	STA_Lock. Front Panel Locked!
PowerON. \PowerOFF.	Enter/exit standby mode	PowerON. \PowerOFF. Power ON!
STA.	Get the system status	STA. Power ON! Output 01 Switch To In 00! Output 02 Switch To In 00! Output 04 Switch To In 00! Output 05 Switch To In 00! Output A Switch To In 00! Output B Switch To In 00! Output C Switch To In 00! Output D Switch To In 00!

		Output Audio 01 Switch To In 02! Output Audio 02 Switch To In 00! Output Audio 03 Switch To In 00! Output 01 Volume Level 60! Output 02 Volume Level 52! Output 03 Volume Level 00! Output 04 Volume Level 00! MIC 01 Volume Level 00! MIC 02 Volume Level 00! MIC 03 Volume Level 00! MIC 04 Volume Level 00! Speech Mix MIC 01 OFF! Speech Mix MIC 02 OFF! Speech Mix MIC 03 OFF! Speech Mix MIC 04 OFF! Speech Mix MIC 01 Volume Level 00! Speech Mix MIC 02 Volume Level 00! Speech Mix MIC 03 Volume Level 00! Speech Mix MIC 04 Volume Level 00! Far End Mix MIC 01 OFF! Far End Mix MIC 02 OFF! Far End Mix MIC 03 OFF! Far End Mix MIC 04 OFF! Far End Mix MIC 01 Volume Level 00! Far End Mix MIC 02 Volume Level 00! Far End Mix MIC 03 Volume Level 00! Far End Mix MIC 04 Volume Level 00! Mix Audio MIC 01 Unmute! Mix Audio MIC 02 Unmute! Mix Audio MIC 03 Unmute! Mix Audio MIC 04 Unmute! MIC 01 48V OFF! MIC 02 48V OFF! MIC 03 48V OFF! MIC 04 48V OFF! MIC 01 AEC OFF! MIC 02 AEC OFF! MIC 03 AEC OFF! MIC 04 AEC OFF! MIC 01 Gain 00! MIC 02 Gain 00! MIC 03 Gain 00! MIC 04 Gain 00! MIC 01 Noise Reduction 00! MIC 02 Noise Reduction 00! MIC 03 Noise Reduction 00! MIC 04 Noise Reduction 00!
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		MIC 01 DoubleTalk 50! MIC 02 DoubleTalk 50! MIC 03 DoubleTalk 50! MIC 04 DoubleTalk 50! Speech Mix 01 Equilibrium Gain 12! Speech Mix 02 Equilibrium Gain 12! Speech Mix 03 Equilibrium Gain 12! Speech Mix 04 Equilibrium Gain 12! Speech Mix 05 Equilibrium Gain 12! HDBT Audio Embedded OFF! Multiview Audio Embedded OFF! CEC ON! HDBT Power 01 ON! HDBT Power 02 ON! Multiview Output Resolution 04! Input 01 EDID Upgrade OK By 02 EDID! Input 02 EDID Upgrade OK By 02 EDID! Input 03 EDID Upgrade OK By 02 EDID! Input 04 EDID Upgrade OK By 02 EDID! Input 05 EDID Upgrade OK By 02 EDID! Input 06 EDID Upgrade OK By 02 EDID! Input 07 EDID Upgrade OK By 02 EDID! Input 08 EDID Upgrade OK By 02 EDID! Front Panel UnLock! Multiview Mode 01! USB Mode 01! Multiview Window A Freeze OFF! Multiview Window B Freeze OFF! Multiview Window C Freeze OFF! Multiview Window D Freeze OFF! Gui_IP: 192.168.0.178! Gui_Mask: 255.255.255.0! Gui_Gate: 192.168.0.1!
HDCPPOC[xx]ON. \HDCPPOC[xx]OFF.	Enable/Disable POC function [xx] = 00~02 00 - POC All 01 - POC1 02 - POC2	HDCPPOC[01]ON. \nHDCPPOC[02]OFF. HDBT Power 01 ON! \nHDBT Power 01 OFF!
STA_HDCPPOC.	Get POC status	STA_HDCPPOC. HDBT Power 01 ON! HDBT Power 02 ON!
USBMODE[xx].	Set USB host mode [xx] = 01 ~ 07 01 - Auto switch	USBMODE 01. Set USB Mode 01!

	<p>Auto (In 01 = USB 01, In 03 = USB 02, In 04 = USB 03, In 08 = USB C) Auto will be linked to Input selected to HDBT Output 04 02 - USB-C 03 - Host1 04 - Host2 05 - Host3 06 - HDBT4-RX1 07 - HDBT5-RX2</p>	
STA_USBMODE.	Get USB host mode	STA_USBMODE. USB Mode 01!
PresetSave[xx].	Preset Video scenario mode function [xx] = 01~06 01~06 - Preset Video scenario number	PresetSave 01. Preset 01 Sta: Out 01 In 01! Out 02 In 01! Out 04 In 01! Out 05 In 01! Out A In 01! Out B In 01! Out C In 01! Out D In 01!
PresetSta[xx].	Get Video scenario mode [xx] = 01~06 01~06 - Preset Video scenario number	PresetSta 01. Preset 01 Sta: Out 01 In 01! Out 02 In 01! Out 04 In 01! Out 05 In 01! Out A In 01! Out B In 01! Out C In 01! Out D In 01!
PresetRecall[xx].	Recall Video scenario mode [xx] = 01~06 01~06 - Preset Video scenario number	PresetRecall 01. Preset 01 Sta: Output 01 Switch To In 02! Output 02 Switch To In 02! Output 04 Switch To In 02! Output 05 Switch To In 02! Output A Switch To In 02! Output B Switch To In 02! Output C Switch To In 02!

		Output D Switch To In 02!
HDBTCtrl[xx]ON. \HDBTCtrl[xx]OFF.	Enable remote control of the local [xx] = 00~02 00 - All Port 01 - HDBT1 02 - HDBT2	HDBTCtrl 01 ON. \HDBTCtrl 01 OFF. Set HDBTCtrl 01 ON! \Set HDBTCtrl 01 OFF!
STA_HDBTCtrl.	Get remote control local	STA_HDBTCtrl. HDBTCtrl 01 ON! HDBTCtrl 02 ON!
HDBTCLQ.	Get HDBT connection signal quality	HDBTCLQ. HDBT Cable 01 Link Quality 09! HDBT Cable 02 Link Quality 09!

4 Windows Setting

Commands	Function	Example and Feedback
MVRES[xx].	Set the multiview output resolution [xx] = 01~07 01 - 1360x768 60 02 - 1440x900 60 03 - 1920x1080 50 04 - 1920x1080 60 (Default) 05 - 3840x2160 30 06 - 3840x2160 50 07 - 3840x2160 60	MVRES 01. Set Multiview Output Resolution 01!
STA_MVRES.	Get the multiview output resolution	STA_MVRES. Multiview Output Resolution 01!
MVMODE[xx].	Set multiview mode [xx] = 01 ~ 12 01 - 1 WINDOWS Full 02 - 2 WINDOWS PBP 03 - 3 WINDOWS 2U1D 04 - 4 WINDOWS SAME SIZE 05 - 2 WINDOWS PIP LU 06 - 2 WINDOWS PIP LD 07 - 2 WINDOWS PIP RU 08 - 2 WINDOWS PIP RD 09 - 4 WINDOWS PBP 3L1R	MVMODE 01. Set Multiview Mode 01!

	10 - 4 WINDOWS PBP 1L3R 11 - 4 WINDOWS PBP 3U1D 12 - 4 WINDOWS PBP 1U3D	
STA_MVMODE.	Get multiview mode	STA_MVMODE. Multiview Mode 01!
MVUser[xx]:[yy].	Preset user key mode [xx] = 01 ~ 04 01 ~ 04 - User key number [yy] = 01 ~ 12 01 - 1 WINDOWS Full 02 - 2 WINDOWS PBP 03 - 3 WINDOWS 2U1D 04 - 4 WINDOWS SAME SIZE 05 - 2 WINDOWS PIP LU 06 - 2 WINDOWS PIP LD 07 - 2 WINDOWS PIP RU 08 - 2 WINDOWS PIP RD 09 - 4 WINDOWS PBP 3L1R 10 - 4 WINDOWS PBP 1L3R 11 - 4 WINDOWS PBP 3U1D 12 - 4 WINDOWS PBP 1U3D	MVUser 01:01. Set Multiview User Mode 01 To 01!
STA_MVUser.	Get user key mode	STA_MVUser. Multiview User Mode 01 To 01! Multiview User Mode 02 To 01! Multiview User Mode 03 To 01! Multiview User Mode 04 To 01!
SwapSRC.	Swap input source	SwapSRC. Output A Switch To In 01! Output B Switch To In 02! Output C Switch To In 03! Output D Switch To In 04!
ResizeWIM.	Resize display windows	ResizeWIM. Resize Display Windows!

FreezeWIN[xx]ON. \FreezeWIN[xx]OFF.	Set multiview window freeze [xx] = A~D Windows [xx] = F: All Windows	FreezeWIN A ON. \FreezeWIN A OFF. \FreezeWIN F OFF. Set Multiview Window A Freeze ON! \Set Multiview Window A Freeze OFF! \Set Multiview Window All Freeze OFF!
STA_FreezeWIN.	Get multiview window freeze status	STA_FreezeWIN. Multiview Window A Freeze ON! Multiview Window B Freeze ON! Multiview Window C Freeze ON! Multiview Window D Freeze ON!

5 CEC Function Command

Commands	Function	Example and Feedback
CECSRCMENU[xx].	Send CEC MOnU command to source [xx] = 01~07 01~07 - Input HDMI	CECSRCMENU 01. Set CEC Source MENU 01!
CESRCUP[xx].	Send CEC UP command to source [xx] = 01~07 01~07 - Input HDMI	CESRCUP 01. Set CEC Source UP 01!
CESRCDOWN[xx].	Send CEC DOWN command to source [xx] = 01~07 01~07 - Input HDMI	CESRCDOWN 01. Set CEC Source DOWN 01!
CESRCLEFT[xx].	Send CEC LEFT command to source [xx] = 01~07 01~07 - Input HDMI	CESRCLEFT 01. Set CEC Source LEFT 01!
CESRCRIGHT[xx].	Send CEC RIGHT command to source [xx] = 01~07 01~07 - Input HDMI	CESRCRIGHT 01. Set CEC Source RIGHT 01!
CESRCBACK[xx].	Send CEC BACK command to source [xx] = 01~07 01~07 - Input HDMI	CESRCBACK 01. Set CEC Source BACK 01
CESRCENTER[xx].	Send CEC ENTER command to source [xx] = 01~07 01~07 - Input HDMI	CESRCENTER 01. Set CEC Source ENTER 01!
CECSRCON[xx].	Send CEC ON command to source	CECSRCON 01.

	[xx] = 01~07 01~07 - Input HDMI	Set CEC Source ON 01!
CECSRCOFF[xx].	Send CEC OFF command to source [xx] = 01~07 01~07 - Input HDMI	CECSRCOFF 01. Set CEC Source OFF 01!
CESRCSTOP[xx].	Send CEC STOP command to source [xx] = 01~07 01~07 - Input HDMI	CESRCSTOP 01. Set CEC Source STOP 01!
CESRCPLAY[xx].	Send CEC PLAY command to source [xx] = 01~07 01~07 - Input HDMI	CESRCPLAY 01. Set CEC Source PLAY 01!
CESRCPAUSE[xx].	Send CEC PAUSE command to source [xx] = 01~07 01~07 - Input HDMI	CESRCPAUSE 01. Set CEC Source PAUSE 01!
CESRCPREV[xx].	Send CEC PREV command to source [xx] = 01~07 01~07 - Input HDMI	CESRCPREV 01. Set CEC Source PREV 01!
CESRCNEXT[xx].	Send CEC NEXT command to source [xx] = 01~07 01~07 - Input HDMI	CESRCNEXT 01. Set CEC Source NEXT 01!
CESRCREWIND[xx].	Send CEC rewind command to source [xx] = 01~07 01~07 - Input HDMI	CESRCREWIND 01. Set CEC Source REWIND 01!
CESRCFASTFW[xx].	Send CEC fast- forward command to source [xx] = 01~07 01~07 - Input HDMI	CESRCFASTFW 01. Set CEC Source Fast-Forward 01!
CESRCMUTE[xx].	Send CEC MUTE command to source [xx] = 01~07 01~07 - Input HDMI	CESRCMUTE 01. Set CEC Source MUTE 01!
CESRCVOLPLUS[xx].	Send CEC volume plus command to source [xx] = 01~07 01~07 - Input HDMI	CESRCVOLPLUS 01. Set CEC Source Volume Plus 01!
CESRCVOLMINUS[xx].	Send CEC volume minus command to source	CESRCVOLMINUS 01. Set CEC Source Volume Minus 01!

	[xx] = 01~07 01~07 - Input HDMI	
CECDISPLAYON[xx].	Send CEC ON command to displayer [xx] = 01 ~ 05 01 ~ 03 - Output HDMI 04 ~ 05 - Output HDBT	CECDISPLAYON 01. Set CEC Display ON 01!
CECDISPLAYOFF[xx].	Send CEC OFF command to displayer [xx] = 01 ~ 05 01 ~ 03 - Output HDMI 04 ~ 05 - Output HDBT	CECDISPLAYOFF 01. Set CEC Display OFF 01!
CECDISPLAYSRC[xx].	Send CEC SOURCE command to displayer [xx] = 01 ~ 05 01 ~ 03 - Output HDMI 04 ~ 05 - Output HDBT	CECDISPLAYSRC 01. Set CEC Display SOURCE 01
CECDISPLAYMUTE[xx].	Send CEC MUTE command to displayer [xx] = 01 ~ 05 01 ~ 03 - Output HDMI 04 ~ 05 - Output HDBT	CECDISPLAYMUTE 01. Set CEC Display MUTE 01
CECDISPLAYVOLPLUS[xx].	Send CEC volume plus command to displayer [xx] = 01 ~ 05 01 ~ 03 - Output HDMI 04 ~ 05 - Output HDBT	CECDISPLAYVOLPLUS 01. Set CEC Display Volume Plus 01
CECDISPLAYVOLMINUS[xx].	Send CEC volume minus command to displayer [xx] = 01 ~ 05	CECDISPLAYVOLMINUS 01. Set CEC Display Volume Minus 01

	01 ~ 03 - Output HDMI 04 ~ 05 - Output HDBT	
>CEC<xx1,xx2,xx3,xx...>.	Send cec user custom instructions to the monitor or source device Send a user-defined CEC command. xx1 = 1~ 12 (port) 1 - In 1 2 - In 2 3 - In 3 4 - In 4 5 - In 5 6 - In 6 7 - In 7 8 - Out 1 9 - Out 2 10 - Out 3 11 - Out 4 12 - Out 5 xx2 = DEVICE ADDRESS xx3 = OPCODE xx... = COMMAND	>CEC<1,04,44,46>. CEC send to device:1 Header : 0x04 Opcode : 0x44 Message : 0x46 >CEC<1,04,44,46>

6 System Function Command

Commands	Function	Example and Feedback
/^Version.	Get the firmware version	/^Version. V1.0.0
RST.	Factory Default	RST. Factory Default!
Reboot.	System reboot	Reboot. Rebooted.
SetGuiIP:xxx.xxx.xxx.xxx.	Set the IP to access GUI	SetGuiIP:192.168.0.176. SetGuiIP: 192.168.0.178!
SetGuiMask:xxx.xxx.xxx.xxx.	Set the Mask to access GUI	SetGuiMask:255.255.255.0.

		SetGuiMask: 255.255.255.0!
SetGuiGate:xxx.xxx.xxx.xxx.	Set the Gate to access GUI	SetGuiGate:192.168.0.1. SetGuiGate: 192.168.0.1!
GetGuiIP.	Get the IP to access GUI	GetGuiIP. Gui_IP: 192.168.0.178!
GetGuiMask.	Get the Mask to access GUI	GetGuiMask. Gui_Mask: 255.255.255.0!
GetGuiGate.	Get the Gate to access GUI	GetGuiGate. Gui_Gate: 192.168.0.1!

7 Special Command

Commands	Function	Example and Feedback
/+[x]/[y]:zzzz	<p>Send the command "XXXX" with ASCII format to far-end device.</p> <p>Send ASCII command "zzzz" to a far-end device</p> <p>[x] = Baud rate (1 ~ 5)</p> <p>5 - 9600</p> <p>4 - 19200</p> <p>3 - 38400</p> <p>2 - 57600</p> <p>1 - 115200</p> <p>[y] = 0 ~ 2</p> <p>0 - Local</p> <p>1 - Output HDBT 1</p> <p>2 - Output HDBT 2</p> <p>zzzz = ASCII data to be sent (Up to 48 characters)</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. When reading "\x", the two characters after "\x" will be converted to HEX automatically 2. When typing "\\", only one "\" will be sent 3. When reading "\r", "\r" will be converted to "0x0D" in HEX 4. When reading "\n", "\n" will be converted to "0x0A" in HEX 	<p>/+5/0:123\r\x31\x3278</p> <p>1231278</p>

<p>/-[x]/[y]:zz zz</p>	<p>Send the command "XXXX" with HEX format to far-end device. Send the HEX command "zz zz" to far-end device [x] = Baud rate (1 ~ 5) 5 - 9600 4 - 19200 3 - 38400 2 - 57600 1 - 115200 [y] = 0 ~ 2 0 - Local 1 - Output HDBT 1 2 - Output HDBT 2 y = number of octets in HEX command zz zz = HEX data to be sent (z = 0~9, A~F and up to 20 octets)</p>	<p>/-5/0:30 31 32 33</p> <p>123</p>
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