

MAXHUB

RS-232 & LAN Protocol

Specification

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Version Notes

Data	Reversion	Change and additions	By
2021/09/22	V 1.0	Create	Liao Guanghang
2023/04/11	V1.1	Add RS232 pin instructions	Ada Che

RS232 pin instructions

IFP: CFXXFA/CFXXFB/TFXXFA

DS: WXXPNA/WXXPNC

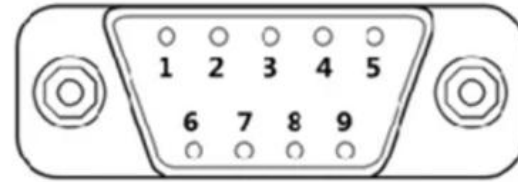
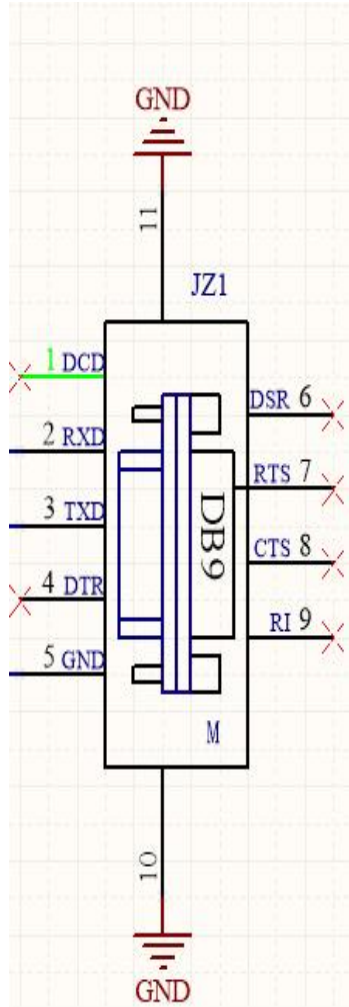
LED Raptor



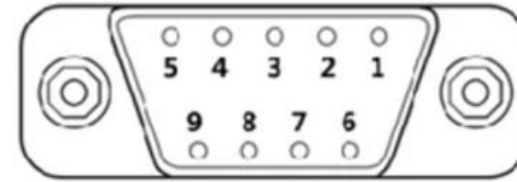
Male DSUB 9Pin		
Pin #	Signal	Remark
1	NC	
2	TXD	IFP output data
3	RXD	IFP receive data
4	NC	
5	GND	Ground
6	NC	
7	NC	
8	NC	
9	NC	

Male DSUB 9Pin		
Pin #	Signal	Remark
1	NC	
2	RXD	DS receive data
3	TXD	DS output data
4	NC	
5	GND	Ground
6	NC	
7	NC	
8	NC	
9	NC	

Pin #	Signal	Remark
1	DCD	Carrier Sense
2	RXD	LED receive data
3	TXD	LED output data
4	NC	
5	GND	Ground
6	NC	
7	NC	
8	NC	
8	NC	
9	NC	



DB9 Male (Pin)



DB9 Female (Hole)

Pin number	Name	Function
1	DCD(Data Carrier Detect)	Data carrier detection
2	RXD (Received Data)	Serial port data input
3	TXD (Transmitted Data)	Serial port data output
5	GND (Signal Ground)	Signal Ground

1 Settings

1.1 RS232 Settings

Baud Rate: 9600bps

Data bit: 8bits

Parity: None

Stop bit: 1

1.2 Lan Settings

IP: IP Address

Port: 4664

2 Command format

byte1 byte2 byte3 byte4 byte5 byte6 byte7 byte8 byte9

Command description:

byte1: always 3A, representing the start of the command

byte2、 byte3: always 30 31, indicating that the machine whose machine ID is 1 responds to the command

byte4: 53 indicates that the command is a set command; 47 indicates that the command is a get command

byte5: Indicates the type of command, such as Power is 30, Treble is 31, Volume is 38, etc.

byte6、 byte7、 byte8: data information of the command, such as 30 30 30 is 0, 30 31 32 is 12, 31 30 30 is 100

byte9: always 0D, representing the end of the command

2.1 SET

Set success reply: 34 30 31 2B 0D

Set fail reply: 34 30 31 2D 0D

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
Power	30	000 : backlight off	3A 30 31 53 30 30 30 30 0d	
		001 : backlight on	3A 30 31 53 30 30 30 31 0d	
		002 : power off	3A 30 31 53 30 30 30 32 0d	
		003 : power on	3A 30 31 53 30 30 30 33 0d	only support RS232, not support Lan command
Treble	31	-xx: -5~0	3A 30 31 53 31 2D 30 33 0d	eg. set treble to -3
		+xx: 0~5	3A 30 31 53 31 2B 30 33 0d	eg. set treble to 3
Bass	32	-xx: -5~0	3A 30 31 53 32 2D 30 35 0d	eg. set bass to -5
		+xx: 0~5	3A 30 31 53 32 2B 30 35 0d	eg. set bass to 5

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
Balance	33	-xx: -50~0	3A 30 31 53 33 2D 35 30 0d	eg. set balance to -50
		+xx: 0~50	3A 30 31 53 33 2B 32 30 0d	eg. set balance to 20
Contrast	34	000 ~ 100	3A 30 31 53 34 30 35 30 0d	eg. set contrast to 50
Brightness	35	000 ~ 100	3A 30 31 53 35 30 35 30 0d	eg. set brightness to 50
Sharpness	36	000 ~ 100	3A 30 31 53 36 30 31 30 0d	eg. set sharpness to 10
Sound Mode	37	000 : Movie	3A 30 31 53 37 30 30 30 0d	
		001 : Standard	3A 30 31 53 37 30 30 31 0d	
		002 : Custom	3A 30 31 53 37 30 30 32 0d	
		003 : Classroom	3A 30 31 53 37 30 30 33 0d	
		004 : Meeting	3A 30 31 53 37 30 30 34 0d	
Volume	38	000 ~ 100	3A 30 31 53 38 30 35 30 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
Mute	39	000: Off	3A 30 31 53 39 30 30 30 0d	
		001: On	3A 30 31 53 39 30 30 31 0d	
Video Source	3A	000 : VGA	3A 30 31 53 3A 30 30 30 0d	
		001 : HDMI1	3A 30 31 53 3A 30 30 31 0d	
		002: HDMI2	3A 30 31 53 3A 30 30 32 0d	
		003 : AV	3A 30 31 53 3A 30 30 33 0d	
		022 : HDMI4	3A 30 31 53 3A 30 32 32 0d	
		021 : HDMI3	3A 30 31 53 3A 30 32 31 0d	
		031 : VGA2	3A 30 31 53 3A 30 33 31 0d	
		032 : VGA3	3A 30 31 53 3A 30 33 32 0d	
		051 : ATV	3A 30 31 53 3A 30 35 31 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
		101 : android	3A 30 31 53 3A 31 30 31 0d	
		103 : Slot in PC	3A 30 31 53 3A 31 30 33 0d	
		007 : Display Port	3A 30 31 53 3A 30 30 37 0D	
		102 : android +	3A 30 31 53 3A 31 30 32 0D	
		104 : Type-C1	3A 30 31 53 3A 31 30 34 0D	
		105 : Type-C2	3A 30 31 53 3A 31 30 35 0D	
		106: DTV	3A 30 31 53 3A 31 30 36 0D	
		107 : YPbpr	3A 30 31 53 3A 31 30 37 0D	
Aspect Ratio	3B	000 : 16:9	3A 30 31 53 3B 30 30 30 0d	
		001 : 4:3	3A 30 31 53 3B 30 30 31 0d	
		002 : PTP	3A 30 31 53 3B 30 30 32 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
Language	3C	000: English	3A 30 31 53 3C 30 30 30 0d	
		001: Français	3A 30 31 53 3C 30 30 31 0d	
		002: Español	3A 30 31 53 3C 30 30 32 0d	
		003: 繁中	3A 30 31 53 3C 30 30 33 0d	
		004: 简中	3A 30 31 53 3C 30 30 34 0d	
		005: Português	3A 30 31 53 3C 30 30 35 0d	
		006: German	3A 30 31 53 3C 30 30 36 0d	
		007: Dutch	3A 30 31 53 3C 30 30 37 0d	
		008: Polish	3A 30 31 53 3C 30 30 38 0d	
		009: Russia	3A 30 31 53 3C 30 30 39 0d	
		010:Czech	3A 30 31 53 3C 30 31 30 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
		011:Danish	3A 30 31 53 3C 30 31 31 0d	
		012:Swedish	3A 30 31 53 3C 30 31 32 0d	
		013:Italian	3A 30 31 53 3C 30 31 33 0d	
		014:Romanian	3A 30 31 53 3C 30 31 34 0d	
		015:Norwegian	3A 30 31 53 3C 30 31 35 0d	
		016:Finnish	3A 30 31 53 3C 30 31 36 0d	
		017:Greek	3A 30 31 53 3C 30 31 37 0d	
		018:Turkish	3A 30 31 53 3C 30 31 38 0d	
		019:Arabic	3A 30 31 53 3C 30 31 39 0d	
		020:Japanese	3A 30 31 53 3C 30 32 30 0d	
		021:Ukraine	3A 30 31 53 3C 30 32 31 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
		022:Korean	3A 30 31 53 3C 30 32 32 0d	
		023:Hungarian(匈牙利语)	3A 30 31 53 3C 30 32 33 0d	
		024:Perisan (波斯语)	3A 30 31 53 3C 30 32 34 0d	
		025:Vietnamese	3A 30 31 53 3C 30 32 35 0d	
		026:Thailand	3A 30 31 53 3C 30 32 36 0d	
		027:catalan(加泰隆语)	3A 30 31 53 3C 30 32 37 0d	
		028:Lithuanian 立陶宛语	3A 30 31 53 3C 30 32 38 0d	
		029:Croatian 克罗地亚	3A 30 31 53 3C 30 32 39 0d	
		030:Estonian 爱沙尼亚语	3A 30 31 53 3C 30 33 30 0d	
Picture Mode	3D	000 : standard	3A 30 31 53 3D 30 30 30 0d	
		001 : bright	3A 30 31 53 3D 30 30 31 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
		002 : soft	3A 30 31 53 3D 30 30 32 0d	
		003 : customer	3A 30 31 53 3D 30 30 33 0d	
Hue (Color)	3E	000 ~ 100	3A 30 31 53 3E 30 33 30 0d	
Backlight	3F	000 ~ 100	3A 30 31 53 3F 30 35 30 0d	
Color Temp	40	000 : Cool	3A 30 31 53 40 30 30 30 0d	
		001 : Standard	3A 30 31 53 40 30 30 31 0d	
		002 : Warm	3A 30 31 53 40 30 30 32 0d	
Reomte control command	41	000 : Vol +	3A 30 31 53 41 30 30 30 0d	
		001 : Vol -	3A 30 31 53 41 30 30 31 0d	
		010 : Up	3A 30 31 53 41 30 31 30 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
		011 : Down	3A 30 31 53 41 30 31 31 0d	
		012 : Left	3A 30 31 53 41 30 31 32 0d	
		013 : Right	3A 30 31 53 41 30 31 33 0d	
		014 : Enter	3A 30 31 53 41 30 31 34 0d	
		020 : Menu	3A 30 31 53 41 30 32 30 0d	
		021 : Input	3A 30 31 53 41 30 32 31 0d	
		022 : Back/Exit	3A 30 31 53 41 30 32 32 0d	
		031 : Blank	3A 30 31 53 41 30 33 31 0d	
		032 : Freeze	3A 30 31 53 41 30 33 32 0d	
		033 : Mute	3A 30 31 53 41 30 33 33 0d	
		034 : Home	3A 30 31 53 41 30 33 34 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
IR	42	000: Enable	3A 30 31 53 42 30 30 30 0d	
		001: Disable	3A 30 31 53 42 30 30 31 0d	
Spearker	43	000 : off	3A 30 31 53 43 30 30 30 0d	
		001 : on	3A 30 31 53 43 30 30 31 0d	
Touch	44	000 : off	3A 30 31 53 44 30 30 30 0d	touch disable
		001 : on	3A 30 31 53 44 30 30 31 0d	touch enable
Screen	45	000 : off	3A 30 31 53 45 30 30 30 0d	screen black
		001 : on	3A 30 31 53 45 30 30 31 0d	screen on
No signal power off	46	000: off	3A 30 31 53 46 30 30 30 0d	
		001 : 1 minute	3A 30 31 53 46 30 30 31 0d	
		003 : 3 minutes	3A 30 31 53 46 30 30 33 0d	

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
		005 : 5 minutes	3A 30 31 53 46 30 30 35 0d	
		010 : 10 minutes	3A 30 31 53 46 30 31 30 0d	
		015 : 15 minutes	3A 30 31 53 46 30 31 35 0d	
		030 : 30 minutes	3A 30 31 53 46 30 33 30 0d	
		045 : 45 minutes	3A 30 31 53 46 30 34 35 0d	
		060 : 60 minutes	3A 30 31 53 46 30 36 30 0d	
On/Off Timer	47	Byte1~Byte15 (1) Byte1: Decide which Timer is selected Byte1=0x1~0x07. There are totally 7 Timers, this value is used to decide which Timer is (2) Byte2: 0x00 or 0x01, 0x00:Sunday disable; 0x01:Sunday enable (3) Byte3: 0x00 or 0x01, 0x00:Monday disable;0x01:Monday enable (4) Byte4: 0x00 or 0x01, 0x00:Tuesday disable; 0x01:Tuesday enable (5) Byte5: 0x00 or 0x01, 0x00:Wednesday disable; 0x01:Wednesday enable (6) Byte6: 0x00 or 0x01, 0x00:Thursday disable; 0x01:Thursday enable (7) Byte7: 0x00 or 0x01, 0x00:Friday disable; 0x01:Friday enable (8) Byte8: 0x00 or	On Timer: 09:08 sun 3A 30 31 53 47 01 01 00 00 00 00 00 01 19 18 00 00 00 00 0D Off Timer: 10:10 mon/frday 3A 30 31 53 47 02 00 01 00 00 00 01 00 00 00 01 1A 1A 00 0D Onf/Off Timer: 09:08/10:10 sun 3A 30 31 53 47 01 01 00 00 00 00 00 01 19 18 01 1A 1A 00 0D	3A 30 31 53 47 Byte1 Byte2 Byte3 Byte4 Byte5 Byte6 Byte7 Byte8 Byte9 0d

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
		<p>0x01, 0x00:Saturday disable; 0x01:Saturday enable (9) Byte9: 0x00 or 0x01, 0x00: On Timer is disable; 0x01:On Timer is enable (10) Byte10: The Hour of the On Timer. Byte3=0x10~0x27. (decimal range: 16-39, Our program will subtract 16, the hour range is 0 to 23) (11) Byte11: The Minute of the On Timer. Byte4=0x10~0x4B. (decimal range: 16-75, Our program will subtract 16, the minute range is 0 to 59) (12) Byte12: 0x00 or 0x01, 0x00: Off Timer is disable; 0x01:Off Timer is enable (13) Byte13: The Hour of the Off Timer. Byte5=0x10~0x27. (decimal range: 16-39, Our program will subtract 16, the hour range is 0 to 23) (14) Byte14: The Minute of the Off Timer. Byte6=0x10~0x4B. (decimal range: 16-75, Our program will subtract 16, the minute range is 0 to 59) (15) Byte15: Treserved, and should be 0x00. If both byte9 and byte12 are set to disabled, it will delete the target timer if it exists</p>		
Hdmi out	48	000 : off	3A 30 31 53 48 30 30 30 0d	only support on 9950 machine
		001 : on	3A 30 31 53 48 30 30 31 0d	only support on 9950 machine
Hdmi out	49	000 : off	3A 30 31 53 49 30 30 30 0d	only support on 9950 machine

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Describe
encryption		001 : on	3A 30 31 53 49 30 30 31 0d	only support on 9950 machine
Hdmi out encryption mode	50	000 : off	3A 30 31 53 50 30 30 30 0d	
		001 : auto	3A 30 31 53 50 30 30 31 0d	
		002 : hdcp1.4	3A 30 31 53 50 30 30 32 0d	
		003 : hdcp2.2	3A 30 31 53 50 30 30 33 0d	

2.2 GET

Event	Cmd (Hex)	Value	Command (HEX, Default ID is 1)	Reply	Describe
Power	30	000 : backlight off	3A 30 31 47 30 30 30 30 0D	3A 30 31 72 30 30 30 30 0D	
		001 : backlight on		3A 30 31 72 30 30 30 31 0D	
		002 : power off		3A 30 31 72 30 30 30 32 0D	only support RS232, not support Lan command
Treble	31	-05 ~ +05	3A 30 31 47 31 30 30 30 0D	3A 30 31 72 31 2B 30 35 0D	eg. current treble is +05
Bass	32	-05 ~ +05	3A 30 31 47 32 30 30 30 0D	3A 30 31 72 32 2D 30 35 0D	eg. current bass is -05
Balance	33	-50 ~ +50	3A 30 31 47 33 30 30 30 0D	3A 30 31 72 33 2B 35 30 0D	eg. current balance is +50
Contrast	34	000~100	3A 30 31 47 34 30 30 30 0D	3A 30 31 72 34 30 35 30 0D	eg. current contrast is 50
Brightness	35	000~100	3A 30 31 47 35 30 30 30 0D	3A 30 31 72 35 30 35 30 0D	eg. current brightnss is 50
Sharpne	36	000~100	3A 30 31 47 36 30 30 30 0D	3A 30 31 72 36 30 31 30 0D	eg. current sharpness is 10

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
SS					
Sound Mode	37	000 : Movie	3A 30 31 47 37 30 30 30 0D	3A 30 31 72 37 30 30 30 0D	
		001 : Standard		3A 30 31 72 37 30 30 31 0D	
		002 : Custom		3A 30 31 72 37 30 30 32 0D	
		003 : Classroom		3A 30 31 72 37 30 30 33 0D	
		004 : Meeting		3A 30 31 72 37 30 30 34 0D	
Volume	38	000~100	3A 30 31 47 38 30 30 30 0D	3A 30 31 72 38 30 35 30 0D	
Mute	39	000: Off	3A 30 31 47 39 30 30 30 0D	3A 30 31 72 39 30 30 30 0D	
		001: On		3A 30 31 72 39 30 30 31 0D	
Video Source	3A	000 : VGA	3A 30 31 47 3A 30 30 30 0D	3A 30 31 72 3A 30 30 30 0D	
		001 : HDMI1		3A 30 31 72 3A 30 30 31 0D	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
		002: HDMI2		3A 30 31 72 3A 30 30 32 0D	
		003 : AV		3A 30 31 72 3A 30 30 33 0D	
		022 : HDMI4		3A 30 31 72 3A 30 32 32 0D	
		021 : HDMI3		3A 30 31 72 3A 30 32 31 0D	
		031 : VGA2		3A 30 31 72 3A 30 33 31 0D	
		032 : VGA3		3A 30 31 72 3A 30 33 32 0D	
		051 : ATV		3A 30 31 72 3A 30 35 31 0D	
		101 : Android		3A 30 31 72 3A 31 30 31 0D	
		103 : Slot in PC		3A 30 31 72 3A 31 30 33 0D	
		007 : Display Port		3A 30 31 72 3A 30 30 37 0D	
		102 : Android Slot		3A 30 31 72 3A 31 30 32 0D	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
		104 : Type C1		3A 30 31 72 3A 31 30 34 0D	
		105 : Type C2		3A 30 31 72 3A 31 30 35 0D	
		106 : DTV		3A 30 31 72 3A 31 30 36 0D	
		107 : YPRBR		3A 30 31 72 3A 31 30 37 0D	
Aspect Ratio	3B	000 : 16:9	3A 30 31 47 3B 30 30 30 0D	3A 30 31 72 3B 30 30 30 0D	
		001 : 4:3		3A 30 31 72 3B 30 30 31 0D	
		002 : PTP		3A 30 31 72 3B 30 30 32 0D	
Languag e	3C	000: English	3A 30 31 47 3C 30 30 30 0D	3A 30 31 72 3C 30 30 30 0D	
		001: Français		3A 30 31 72 3C 30 30 31 0D	
		002: Español		3A 30 31 72 3C 30 30 32 0D	
		003: 繁中		3A 30 31 72 3C 30 30 33 0D	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
		004: 简中		3A 30 31 72 3C 30 30 34 0D	
		005: Português		3A 30 31 72 3C 30 30 35 0D	
		006: German		3A 30 31 72 3C 30 30 36 0D	
		007: Dutch		3A 30 31 72 3C 30 30 37 0D	
		008: Polish		3A 30 31 72 3C 30 30 38 0D	
		009: Russia		3A 30 31 72 3C 30 30 39 0D	
		010:Czech		3A 30 31 72 3C 30 31 30 0D	
		011:Danish		3A 30 31 72 3C 30 31 31 0D	
		012:Swedish		3A 30 31 72 3C 30 31 32 0D	
		013:Italian		3A 30 31 72 3C 30 31 33 0D	
		014:Romanian		3A 30 31 72 3C 30 31 34 0D	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
		015:Norwegian		3A 30 31 72 3C 30 31 35 0D	
		016:Finnish		3A 30 31 72 3C 30 31 36 0D	
		017:Greek		3A 30 31 72 3C 30 31 37 0D	
		018:Turkish		3A 30 31 72 3C 30 31 38 0D	
		019:Arabic		3A 30 31 72 3C 30 31 39 0D	
		020:Japanese		3A 30 31 72 3C 30 32 30 0D	
		021:Ukraine		3A 30 31 72 3C 30 32 31 0D	
		022:Korean		3A 30 31 72 3C 30 32 32 0d	
		023:Hungarian(匈牙利语)		3A 30 3172 3C 30 32 33 0d	
		024:Perisan (波斯语)		3A 30 31 72 3C 30 32 34 0d	
		025:Vietnamese		3A 30 31 72 3C 30 32 35 0d	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
		026:Thailand		3A 30 31 72 3C 30 32 36 0d	
		027:catalan(加泰隆语)		3A 30 31 72 3C 30 32 37 0d	
		028:Lithuanian 立陶宛语		3A 30 31 72 3C 30 32 38 0d	
		029:Croatian 克罗地亚		3A 30 31 72 3C 30 32 39 0d	
		030:Estonian 爱沙尼亚语		3A 30 31 72 3C 30 33 30 0d	
Picture Mode	3D	000 : standard	3A 30 31 47 3D 30 30 30 0D	3A 30 31 72 3D 30 30 30 0D	
		001 : bright		3A 30 31 72 3D 30 30 31 0D	
		002 : soft		3A 30 31 72 3D 30 30 32 0D	
		003 : customer		3A 30 31 72 3D 30 30 33 0D	
Hue (Color)	3E	000~100	3A 30 31 47 3E 30 30 30 0D	3A 30 31 72 3E 30 33 30 0D	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
Backlight	3F	000~100	3A 30 31 47 3F 30 30 30 0D	3A 30 31 72 3F 30 35 30 0D	
Color Temp	40	000 : Cool	3A 30 31 47 40 30 30 30 0D	3A 30 31 72 40 30 30 30 0D	
		001 : Standard		3A 30 31 72 40 30 30 31 0D	
		002 : Warm		3A 30 31 72 40 30 30 32 0D	
Reomte control(I R)	42	000: Enable	3A 30 31 47 42 30 30 30 0D	3A 30 31 72 42 30 30 30 0D	
		001: Disable		3A 30 31 72 42 30 30 31 0D	
Spearker	43	000 : off	3A 30 31 47 43 30 30 30 0D	3A 30 31 72 43 30 30 30 0D	
		001 : on		3A 30 31 72 43 30 30 31 0D	
HDCP1. X	0x53	0	3A 30 31 47 53 30 30 30 0D	3A 30 31 72 53 30 20 ** 0D	
HDCP2. X		1	3A 30 31 47 53 30 30 31 0D	3A 30 31 72 53 31 20 ** 0D	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
Machine SN		2	3A 30 31 47 53 30 30 32 0D	3A 30 31 72 53 32 20 ** 0D	
MAC		3	3A 30 31 47 53 30 30 33 0D	3A 30 31 72 53 33 20 ** 0D	
Model Name		4	3A 30 31 47 53 30 30 34 0D	3A 30 31 72 53 34 20 ** 0D	
Model Version		5	3A 30 31 47 53 30 30 35 0D	3A 30 31 72 53 35 20 ** 0D	
Board SN		6	3A 30 31 47 53 30 30 36 0D	3A 30 31 72 53 36 20 ** 0D	
Region		7	3A 30 31 47 53 30 30 37 0D	3A 30 31 72 53 37 20 ** 0D	
Touch		44	000 : off	3A 30 31 47 44 30 30 30 0D	3A 30 31 72 44 30 30 30 0D
	001 : on		3A 30 31 72 44 30 30 31 0D		
Screen	45	000 : off	3A 30 31 47 45 30 30 30 0D	3A 30 31 72 45 30 30 30 0D	

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
		001 : on		3A 30 31 72 45 30 30 31 0D	
No Singal power off	46	0~60	3A 30 31 47 46 30 30 30 0D	3A 30 31 72 46 30 3* 3* 0D	
On/Off Timer	47	(1) Byte1[3:0]: The Number of the On/Off Timer. There are totally 7 On/Off Timers, and this byte is used to selected which timer is going to be accessed. (2) Byte1[7:4] is reserved, should be 0. (3) Byte2~15 are reserverd, should be 0x00.	3A 30 31 47 47 01 00 00 00 00 00 00 00 00 00 00 00 00 00 0D		
Hdmi out	48	000 : off	3A 30 31 47 48 30 30 30 0D	3A 30 31 72 48 30 30 30 0D	only support on 9950 machine
		001 : on		3A 30 31 72 48 30 30 31 0D	only support on 9950 machine

Event	Cmd (Hex)	Value	Command (HEX , Default ID is 1)	Reply	Describe
Hdmi encryption	49	000 : off	3A 30 31 47 49 30 30 30 0D	3A 30 31 72 49 30 30 30 0D	only support on 9950 machine
		001 : on		3A 30 31 72 49 30 30 31 0D	only support on 9950 machine
Hdmi out encryption mode	50	000 : off	3A 30 31 47 50 30 30 30 0D	3A 30 31 72 50 30 30 30 0D	
		001 : auto		3A 30 31 72 50 30 30 31 0D	
		002 : hdcp1.4		3A 30 31 72 50 30 30 32 0D	
		003 : hdcp2.2		3A 30 31 72 50 30 30 33 0D	