RS232 Command List

1. Connection

1.1 Port Setting

Method	Asynchronous communication
Bits per seconds	19200
Data bits	8
Parity	none
Stop bits	1
Flow control	none

1.2 Wiring:

Connect the computer and projector with RS232 cross cable

2. Communication

2.1 The Projector command is defined one command/one line that starts "C" and ends carriage return CR .

2.2 There are two types of command, functional execution commands and status read commands

2.3 Response for status read command after accepting has different characters.

Example:

A. Functional execution command:

Power ON command is sent to the projector with"030" CR, the projector returns a "ACK CR or NAK CR code

PC --> Projector "C" "0" "3" CR

Projector --> PC processing command ACK (or NAK) CR

B. Status read command:

Power Status command is sent to the projector with"CR1" CR, the projector returns a power status plus CR or NAK CR code

PC --> Projector "C" "R" "1" CR

Projector --> PC processing command "0" "0" "1" (or NAK) CR

3. Command List

Command (HEX+CR)	Function
C030(43 30 30 0D)	POWER ON
C031(43 30 31 0D)	POWER OFF(Power OFF immediately)
C032(43 30 32 0D)	POWER OFF
C035(43 30 35 0D)	VGA IN 1
C036(43 30 36 0D)	VGA IN 2
C037(43 30 37 0D)	Video
C038(43 33 34 0D)	S-Video
C033(43 33 33 0D)	Component
C039(43 33 36 0D)	HDMI
C134(43 31 33 34 0D)	NETWORK
C136(43 31 33 36 0D)	Memory Viewer
C137(43 31 37 0D)	USB Display
C037(43 33 37 0D)	HDMI(MHL)
C060(43 38 45 0D)	Keystone ↑
C061(43 38 46 0D)	Keystone ↓
C112(43 31 43 0D)	Menu on
C113(43 31 44 0D)	Menu off
C038(43 39 30 0D)	Keystone<
C39 (43 39 31 0D)	Keystone:>
C43(43 34 33 0D)	Still on
C44(43 34 34 0D)	Still off
C032(43 30 44 0D)	Blank on
C033(43 30 45 0D)	Blank off
C35(43 38 41 0D)	Timer
C036(43 38 42 0D)	Timer (Exit)
C034(43 30 42 0D)	Mute on
C035(43 30 43 0D)	Mute off
C30(43 33 30 0D)	Digital zoom +
C31 (43 33 31 0D)	Digital zoom -
C032(43 30 39 0D)	Volume +
C33(43 30 41 0D)	Volume -
C110(43 31 39 0D)	Dynamic
C111(43 31 31 0D)	Normal(Image select)
C036(43 33 39 0D)	Colorboard
C037(43 30 46 0D)	Screen Normal size(4: 3)
C112(43 31 30 0D)	Screen Wide size(16 : 9)
C113(43 31 33 0D)	Image Cinema
C114(43 31 38 0D)	Blackboard
C116(43 31 45 0D)	DISPLAY CLEAR
C034(43 32 30 0D)	BRIGHTNESS +
C035(43 32 31 0D)	BRIGHTNESS -
C036(43 32 37 0D)	IMAGE (Toggle)
C037(43 32 38 0D)	Direct on Enable
C038(43 32 39 0D)	Direct on Disable
C039(43 32 41 0D)	Power Management Ready
C040(43 32 42 0D)	Power Management OFF
C041(43 32 45 0D)	Power Management Shut down
C030(43 33 41 0D)	POINTER RIGH
C031(43 33 42 0D)	POINTER LEFT
C032(43 33 43 0D)	POINTER UP
C033(43 33 44 0D)	POINTER DOWN
C034(43 33 46 0D)	ENTER
C035(43 38 39 0D)	Auto PC ADJ.
C052(43 52 33 0D)	Lamp Timer Read
C050(43 52 30 0D)	Get the projector's operation status:
	"00":Power on
	"80":standby
	"40":Countdown in process
	"20":Cooling Down in process
	"10":Power Failure
	"08":Cooling Down in process due to Temperature Anomaly
	"88":Coming back after Temperature Anomaly
	"04":Power Management cooling
	"04":suspend status :Power management Ready
	"21":Cooling Down in process after lamp off
	"61":Standby after Cooling Down process due to lamp off
C051(43 52 31 0D)	Get the information of input source
	VGA 1
	VGA 2
	Component
	HDMI
	HDMI (MHL)
	Video
	S-Video
	NETWORK
	Memory Viewer
	USB Display
C054(43 52 34 0D)	Get screen setting status:
	"11":Normal screen setting
	"10":Rear & Ceiling ON
	"01": Rear ON
	"00":Ceiling ON
C056(43 52 36 0D)	Get the temperature data inside the projector:
	%1_%2_%3":
	%1=Temperature of Sensor 1
	%2=Temperature of Sensor 2
	%3=Temperature of Sensor 3
	Temperature data is shown as "00.0"
C053(43 52 37 0D)	Get the lamp mode status:
	"00":Light is out
	"01":Light is on
CR ALLPFAIL	Detect detail of the power failure
	Detect detail of the power failure
	1000 MAIN, ALL OK
	0500 FAN, 5V OK