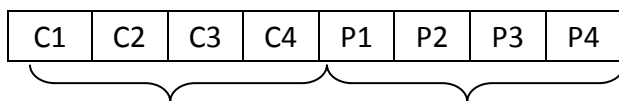


1. Projector Control mode

RS232 Setting

Baud rate:	9600
Parity check:	None
Data bit:	8
Stop bit:	1
Flow Control	None

Command Format



Command 4-digit

Parameter 4-digit

Control Command Structure

	Command code	Data code
ASCII	Command Upper 4 Bytes	Data Lower 4 Bytes Detail reference code table

Operation Command

ASCII	HEX	Function	Description	Return Result
ISEL___n	49h 53h 45h 4Ch 5Fh 5Fh 5Fh nh	Set Source	1:VGA 2:VGA2 3:DVI 4:Video 5:S-Video 6:HDMI 7:BNC 8:Component 9:Display Port 10.HDMI2	OK/ERR
ICLK????	49h 43h 48h 4Bh 3Fh 3Fh 3Fh 3Fh	Get Source	1:VGA 2:VGA2 3:DVI 4:Video 5:S-Video 6:HDMI 7:BNC 8:Component 9:Display Port 10.HDMI2	Parameter
PTRN___n	50h 54h 52h 4Eh 5Fh 5Fh 5Fh nh	Set Test Pattern	0: Off 1: Grid 2: White 3: Red 4: Green 5: Blue 6: Black	OK/ERR
PTRN????	50h 54h 52h 4Eh 3Fh 3Fh 3Fh 3Fh	Get Test Pattern	0: Off 1: Grid 2: White 3: Red 4: Green 5: Blue 6: Black	Parameter
IMBG___n	49h 4Dh 42h 47h 5Fh 5Fh 5Fh nh	Set Background Color	0: Black 1: Red 2: Green 3: Blue 4: White	OK/ERR

ASCII	HEX	Function	Description	Return Value
IMBG????	49h 4Dh 42h 47h 3Fh 3Fh 3Fh 3Fh	Get Background Color	0: Black 1: Red 2: Green 3: Blue 4: White	Parameter
PICM__n	50h 49h 43h 4Dh 5Fh 5Fh 5Fh nh	Set Display Mode	0: Standard 1: Presentation 2: Bright 3: Game 4: Movie 5: TV 6: sRGB 7: Blackboard 8: User	OK/ERR
PICM????	50h 49h 43h 4Dh 3Fh 3Fh 3Fh 3Fh	Get Display Mode	0: Standard 1: Presentation 2: Bright 3: Game 4: Movie 5: TV 6: sRGB 7: Blackboard 8: User	Parameter
BRIT????	42h 52h 49h 54h 3Fh 3Fh 3Fh 3Fh	Get Brightness	n=0~100	Parameter
BRIT_***	42h 52h 49h 54h 5Fh nh	Set Brightness	n=0~100	OK/ERR
BRIT9999	42h 52h 49h 54h 39h 39h 39h 39h	Set Brightness	Brightness+1	OK/ERR
BRIT8888	42h 52h 49h 54h 38h 38h 38h 38h	Set Brightness	Brightness-1	OK/ERR
CONT????	43h 4Fh 4Eh 54h 3Fh 3Fh 3Fh 3Fh	Get Contrast	n=0~100	Parameter
CONT_***	43h 4Fh 4Eh 54h 5Fh nh	Set Contrast	n=0~100	OK/ERR
CONT9999	43h 4Fh 4Eh 54h 39h 39h 39h 39h	Set Contrast	Contrast +1	OK/ERR
CONT8888	43h 4Fh 4Eh 54h 38h 38h 38h 38h	Set Contrast	Contrast -1	OK/ERR
SATU????	53h 41h 54h 55h 3Fh 3Fh 3Fh 3Fh	Get Color	n=0~100	Parameter
SATU_***	53h 41h 54h 55h 5Fh nh	Set Color	n=0~100	OK/ERR
SATU9999	53h 41h 54h 55h 39h 39h 39h 39h	Set Color	Color +1	OK/ERR
SATU8888	53h 41h 54h 55h 38h 38h 38h 38h	Set Color	Color -1	OK/ERR

ASCII	HEX	Function	Description	Return Value
TINT????	54h 49h 4Eh 54h 3Fh 3Fh 3Fh 3Fh	Get Tint	n=0~100	Parameter
TINT_***	54h 49h 4Eh 54h 5Fh nh	Set Tint	n=0~100	OK/ERR
TINT9999	54h 49h 4Eh 54h 39h 39h 39h 39h	Set Tint	Tint + 1	OK/ERR
TINT8888	54h 49h 4Eh 54h 38h 38h 38h 38h	Set Tint	Tint - 1	OK/ERR
GAMM????	47h 41h 4Dh 4Dh 3Fh 3Fh 3Fh 3Fh	Get Gamma	0:1.8 1:2.0 2:2.2 3:2.4 4:B&W 5.Linear	Parameter
GAMM__n	47h 41h 4Dh 4Dh 5Fh 5Fh 5Fh nh	Set Gamma	0:1.8 1:2.0 2:2.2 3:2.4 4:B&W 5.Linear	OK/ERR
CLTM????	43h 4Ch 54h 4Dh 3Fh 3Fh 3Fh 3Fh	Get Color Temp	0:Warm 1:Normal 2:Cold	Parameter
CLTM__n	43h 4Ch 54h 4Dh 5Fh 5Fh 5Fh nh	Set Color Temp	0:Warm 1:Normal 2:Cold	OK/ERR
ROFS????	52h 4Fh 46h 53h 3Fh 3Fh 3Fh 3Fh	Get Red Offset	n=-100 ~ +100	Parameter
ROFS_***	52h 4Fh 46h 53h 5Fh nh	Set Red Offset	n=-100 ~ +100	OK/ERR
ROFS9999	52h 4Fh 46h 53h 39h 39h 39h 39h	Set Red Offset	Red Offset+1	OK/ERR
ROFS8888	52h 4Fh 46h 53h 38h 38h 38h38h	Set Red Offset	Red Offset-1	OK/ERR
GOFS????	47h 4Fh 46h 53h 3Fh 3Fh 3Fh 3Fh	Get Green Offset	n=-100 ~ +100	Parameter
GOFS_***	47h 4Fh 46h 53h 5Fh nh	Set Green Offset	n=-100 ~ +100	OK/ERR
GOFS9999	47h 4Fh 46h 53h 39h 39h 39h 39h	Set Green Offset	Green Offset+1	OK/ERR
GOFS8888	47h 4Fh 46h 53h 38h 38h 38h 38h	Set Green Offset	Green Offset-1	OK/ERR
BOFS????	42h 4Fh 46h 53h 3Fh 3Fh 3Fh 3Fh	Get Blue Offset	n=-100 ~ +100	Parameter
BOFS_***	42h 4Fh 46h 53h 5Fh nh	Set Blue Offset	n=-100 ~ +100	OK/ERR

ASCII	HEX	Function	Description	Return Value
BOFS9999	42h 4Fh 46h 53h 39h 39h 39h 39h	Set Blue Offset	Blue Offset+1	OK/ERR
BOFS8888	42h 4Fh 46h 53h 38h 38h 38h 38h	Set Blue Offset	Blue Offset-1	OK/ERR
RGAN????	52h 47h 41h 4Eh 3Fh 3Fh 3Fh 3Fh	Get Red Gain	n=0 ~ 200	Parameter
RGAN_***	52h 47h 41h 4Eh 5Fh nh	Set Red Gain	n=0 ~ 200	OK/ERR
RGAN9999	52h 47h 41h 4Eh 39h 39h 39h 39h	Set Red Gain	Red Gain+1	OK/ERR
RGAN8888	52h 47h 41h 4Eh 38h 38h 38h 38h	Set Red Gain	Red Gain-1	OK/ERR
GGAN????	47h 47h 41h 4Eh 3Fh 3Fh 3Fh 3Fh	Get Green Gain	n=0 ~ 200	Parameter
GGAN_***	47h 47h 41h 4Eh 5Fh nh	Set Green Gain	n=0 ~ 200	OK/ERR
GGAN9999	47h 47h 41h 4Eh 39h 39h 39h 39h	Set Green Gain	Green Gain+1	OK/ERR
GGAN8888	47h 47h 41h 4Eh 38h 38h 38h 38h	Set Green Gain	Green Gain-1	OK/ERR
BGAN????	42h 47h 41h 4Eh 3Fh 3Fh 3Fh 3Fh	Get Blue Gain	n=0 ~ 200	Parameter
BGAN_***	42h 47h 41h 4Eh 5Fh nh	Set Blue Gain	n=0 ~ 200	OK/ERR
BGAN9999	42h 47h 41h 4Eh 39h 39h 39h 39h	Set Blue Gain	Blue Gain+1	OK/ERR
BGAN8888	42h 47h 41h 4Eh 38h 38h 38h 38h	Set Blue Gain	Blue Gain-1	OK/ERR
SHRP????	53h 48h 52h 50h 3Fh 3Fh 3Fh 3Fh	Get Sharpness	n=0 ~ 31	Parameter
SHRP_***	53h 48h 52h 50h 5Fh nh	Set Sharpness	n=0 ~ 31	OK/ERR
SHRP9999	53h 48h 52h 50h 39h 39h 39h 39h	Set Sharpness	Sharpness+1	OK/ERR
SHRP8888	53h 48h 52h 50h 38h 38h 38h 38h	Set Sharpness	Sharpness-1	OK/ERR
ASPC????	41h 53h 50h 43h 3Fh 3Fh 3Fh 3Fh	Get Aspect Ratio	n=0 ~ 5	Parameter
ASPC__n	41h 53h 50h 43h 5Fh 5Fh 5Fh nh	Set Aspect Ratio	n=0 ~ 5	OK/ERR
DGZM????	44h 47h 5Ah 4Dh 3Fh 3Fh 3Fh 3Fh	Get Zoom	n=-10 ~ +10	Parameter
DGZM__n	44h 47h 5Ah 4Dh 5Fh 5Fh 5Fh nh	Set Zoom	n=-10 ~ +10	OK/ERR
ADJS__1	41h 44h 4Ah 53h 5Fh 5Fh 5Fh 31h	Auto Image		OK/ERR

ASCII	HEX	Function	Description	Return Value
LMPM????	4Ch 4Dh 50h 4Dh 3Fh 3Fh 3Fh 3Fh	Get Lamp Mode	0: Eco 1: Normal 2: Dynamic Eco	Parameter
LMPM__n	4Ch 4Dh 50h 4Dh 5Fh 5Fh 5Fh nh	Set Lamp Mode	0: Eco 1: Normal 2: Dynamic Eco	OK/ERR
HLMD????	48h 4Ch 4Dh 44h 3Fh 3Fh 3Fh 3Fh	Get Fan Mode	0: Normal 1: High	Parameter
HLMD__n	48h 4Ch 4Dh 44h 5Fh 5Fh 5Fh nh	Set Fan Mode	0: Normal 1: High	OK/ERR
PJMD????	50h 4Ah 4Dh 44h 3Fh 3Fh 3Fh 3Fh	Get Projection	0: Front 1: Rear 2: Ceiling 3: Rear+Ceiling	Parameter
PJMD__n	50h 4Ah 4Dh 44h 5Fh 5Fh 5Fh nh	Set Projection	0: Front 1: Rear 2: Ceiling 3: Rear+Ceiling	OK/ERR
KEYV????	4Bh 45h 59h 56h 3Fh 3Fh 3Fh 3Fh	Get V Keystone	n=-40 ~ +40	Parameter
KEYV_***	4Bh 45h 59h 56h 5Fh nh	Set V Keystone	n=-40 ~ +40	OK/ERR
KEYV9999	4Bh 45h 59h 56h 39h 39h 39h 39h	Set V Keystone	V Keystone +1	OK/ERR
KEYV8888	4Bh 45h 59h 56h 38h 38h 38h 38h	Set V Keystone	V Keystone -1	OK/ERR
THMD????	54h 48h 4Dh 44h 3Fh 3Fh 3Fh 3Fh	Get Low Power Mode	0: Off 1: On 2: On By Lan	Parameter
THMD__n	54h 48h 4Dh 44h 5Fh 5Fh 5Fh nh	Set Low Power Mode	0: Off 1: On 2: On By Lan	OK/ERR
APOW????	41h 50h 4Fh 57h 3Fh 3Fh 3Fh 3Fh	Get Auto Power Off Timer	n=0 ~ 180	Parameter
APOW_***	41h 50h 4Fh 57h 5Fh nh	Set Auto Power Off Timer	n=0 ~ 180	OK/ERR
ARES????	41h 52h 45h 53h 3Fh 3Fh 3Fh 3Fh	Get Auto Power On Mode	0: Off 1: On	Parameter
ARES__n	41h 52h 45h 53h 5Fh 5Fh 5Fh nh	Set Auto Power On Mode	0: Off 1: On	OK/ERR

ASCII	HEX	Function	Description	Return Value
IMSI????	49h 4Dh 53h 49h 3Fh 3Fh 3Fh 3Fh	Get Startup logo	0: Default Logo 1: Off 2: Capture Logo	Parameter
IMSI__n	49h 4Dh 53h 49h 5Fh 5Fh 5Fh nh	Set Startup logo	0: Default Logo 1: Off 2: Capture Logo	OK/ERR
INSE????	49h 4Eh 53h 45h 3Fh 3Fh 3Fh 3Fh	Get Auto Search	0: Off 1: On	Parameter
INSE__n	49h 4Eh 53h 45h 5Fh 5Fh 5Fh nh	Set Auto Search	0: Off 1: On	OK/ERR
MELA????	4Dh 45h 4Ch 41h 3Fh 3Fh 3Fh 3Fh	Get Language	0:English 1:French 2:German 3:Spanish 4:S-Chinese 5:T-Chinese 6:Russian 7:Korean 8:Arabic 9:Kazak	Parameter
MELA__n	4Dh 45h 4Ch 41h 5Fh 5Fh 5Fh nh	Set Language	0:English 1:French 2:German 3:Spanish 4:S-Chinese 5:T-Chinese 6:Russian 7:Korean 8:Arabic 9:Kazak	OK/ERR
MNRD__1	4Dh 4Eh 52h 44h 5Fh 5Fh 5Fh 31h	Get Model Name		Parameter
SNRD__1	53h 4Eh 52h 44h 5Fh 5Fh 5Fh 31h	Ger Serial Number		Parameter
SWVR__1	53h 57h 56h 52h 5Fh 5Fh 5Fh 31h	Get SW Version		Parameter

ASCII	HEX	Function	Description	Return Value
TLTT__1	54h 4Ch 54h 54h 5Fh 5Fh 5Fh 31h	Get Lamp Hours	Current time of lamp mode	Parameter
PJRT????	50h 4Ah 52h 54h 3Fh 3Fh 3Fh 3Fh	Get Lamp Hours	Lamp total time	Parameter
ALRE__1	41h 4Ch 52h 45h 5Fh 5Fh 5Fh 31h	Factory Reset		OK/ERR
POWR__1	50h 4Fh 57h 52h 5Fh 5Fh 5Fh 31h	Power On		OK/ERR
POWR__0	50h 4Fh 57h 52h 5Fh 5Fh 5Fh 30h	Power Off		OK/ERR
POWR????	50h 4Fh 57h 52h 5Fh 5Fh 5Fh 5Fh	Power Status	Get projector status	0:Reset
				1:Standby
				2:Active
				3:Cooling
PIMU__n	50h 49h 4Dh 55h 5Fh 5Fh 5Fh nh	Blank	0:Off 1:On	OK/ERR
STAT????	53h 54h 41h 54h 3Fh 3Fh 3Fh 3Fh	Status OSD		OK/ERR
KYMN__1	4Bh 59h 4Dh 4Eh 5Fh 5Fh 5Fh 31h	Menu Key		OK/ERR
KYIN__1	4Bh 59h 49h 4Eh 5Fh 5Fh 5Fh 31h	Source Key		OK/ERR
KYSY__1	4Bh 59h 53h 59h 5Fh 5Fh 5Fh 31h	Auto Key		OK/ERR
KYFR__1	4Bh 59H 46h 52h 5Fh 5Fh 5Fh 31h	Freeze Key		OK/ERR
KYIF__1	4Bh 59H 49h 46h 5Fh 5Fh 5Fh 31h	Status Key		OK/ERR
KYEN__1	4Bh 59H 45h 4Eh 5Fh 5Fh 5Fh 31h	Enter Key		OK/ERR
KYUP__1	4Bh 59H 55h 50h 5Fh 5Fh 5Fh 31h	Up Key		OK/ERR
KYDO__1	4Bh 59H 44h 4Fh 5Fh 5Fh 5Fh 31h	Down Key		OK/ERR
KYLE__1	4Bh 59H 4Ch 45h 5Fh 5Fh 5Fh 31h	Left Key		OK/ERR
KYRI__1	4Bh 59H 52h 49h 5Fh 5Fh 5Fh 31h	Right Key		OK/ERR
LNZO9999	4Ch 4Eh 5Ah 4Fh 39h 39h 39h 39h	Zoom+		OK/ERR
LNZO8888	4Ch 4Eh 5Ah 4Fh 38h 38h 38h 38h	Zoom-		OK/ERR
KYVO9999	4Bh 59h 56h 4Fh 39h 39h 39h 39h	Volume+		OK/ERR
KYVO8888	4Bh 59h 56h 4Fh 38h 38h 38h 38h	Volume-		OK/ERR