

DLP®プロジェクター

RICOH PJ WX4152NI/WX4152N/WX4152

シリアルコマンド資料



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本機はサービス用USB mini-BポートとPCをUSB接続することにより、PCからRS-232Cコマンド制御をすることが可能です。

ご使用の際は、PCにUSB to RS232変換アダプターコントローラー用ドライバーをインストールする必要があります。詳しくはサービス実施店にお問い合わせください。

●Format

<Command format>
Header: "#"
Delimiter CR (0x0Dh)
Command 3Byte (ASCII Character)
Parameter Variable length
(If the command has a parameter, place a colon before the parameter.)

<Response format>
Header: "#"
Delimiter CR (0x0Dh)
Command 3Byte (ASCII Character, command echo)
Parameter Variable length
(If the command has a parameter, place a colon before the parameter.)

●Details and examples

<Execution Command>

Command
#X|X|X|CR

PARAM: None

Response
#=X|X|X| : S|C|ID|CR

ID:Result(ASCII Character)
0:Default
Other: Reserved

Example
Turn on the projector (Success)

#P|O|N|CR

=|P|O|N| : S|C|0|CR

<Adjustment command>

Get

#X|X|X|CR

PARAM: None

=|X|X|X| : PARAM |CR

PARAM: Current value

The parameter has no '0' in front of actual value.

If the range of parameter includes negative value, the parameter other than 0 has a sign.

If the range of parameter does not include negative value, the parameter has no sign.

Example
Get the volume (25)

#V|V|L|CR

=|V|V|L| : 2|5|CR

Set

#X|X|X| : PARAM |CR

PARAM: [ASCII number]
+ [ASCII number]
- [ASCII number]
T|N|C
D|E|C
M|A|X
M|I|N
T|N|T

=|X|X|X| : PARAM |CR

PARAM: Value after setting

The parameter has no '0' in front of actual value.

If the range of parameter includes negative value, the parameter other than 0 has a sign.

If the range of parameter does not include negative value, the parameter has no sign.

Example
Set the Contrast (-3)

#V|C|N| : -3|CR

=|V|C|N| : -3|CR

Increment the Brightness (+3 -> +4)

#V|B|R| : T|N|C|CR

=|V|B|R| : +4|CR

Initialize the V Keystone (0)

#P|K|S| : T|N|T|CR

=|P|K|S| : 0|CR

<Setting Command>

Get

#X|X|X|CR

PARAM: None

=|X|X|X| : PARAM |CR

PARAM: Current value (ASCII number. See the conversion table in the command list.)

Example
Get the language (English = 0)

#L|N|G|CR

=|L|N|G| : 0|CR

Set

#X|X|X| : PARAM |CR

PARAM: [ASCII number]
Set the value (See the conversion table.)
T|N|T
initialize the value

=|X|X|X| : PARAM |CR

PARAM: The value after setting

Example
Set the language (Japanese = 10)

#L|N|G| : 1|0|CR

=|L|N|G| : 1|0|CR

Initialize the projection mode (standard = 0)

#P|J|M| : T|N|T|CR

=|P|J|M| : 0|CR

●Response of illegal command

<Unsupported command>

#A|B|C|CR

=|E|R|ID|CR

ID:Error number(ASCII character)
0: Default
Other: Reserved

Example

Unknown Command

=|E|R|0|CR

Unknown Parameter

#P|J|M| : X|Y|Z|CR

=|E|R|0|CR

<Command error>

Example

Decrement the language (Unsupported parameter)

#L|N|G| : D|E|C|CR

=|X|X|X| : E|R|ID|CR

ID:Error number(ASCII character)
0: Default
Other: Reserved

Send the Power Off command when the projector is standby mode.

#P|O|F|CR

=|P|O|F| : E|R|0|CR

●Notes

- Numerical parameter has a sign. If it has no sign, the parameter is assumed to positive value.
- Numerical parameter is able to have a '0' in front of a valid value. For instance, parameter "+0012" is the same as "+12".
- Numerical parameter is limited from -2^31 to 2^31-1.
- Maximum command length is 128Byte.
- Ignore the BYTE code other than ASCII character.

RICOH Projector WX4152 Series RS232C Command List

Function	Command	Response
	User Command	
実行コマンド		
Execution Group (Following State is Each Execution State)		
Turn On (in STANDBY state)	PON o X X X X X X X X 'P O N CR	' P O N S C ID CR
Turn Off	POF o X X X X X X X X 'P O F CR	' P O F S C ID CR
Shutdown	PSD o X X X X X X X X 'P S D CR	' P S D S C ID CR
Status Display	DON o X X X X X X X X 'P O N CR	' D O N S C ID CR
Erase OSD	DOF o X X X X X X X X 'P O F CR	' D O F S C ID CR
Auto Setting @ Analog Computer	PAT o X X X X X X X X 'P A T CR	' D P R S C ID CR
Reset All	DPR o X X X X X X X X 'P D P R CR	' D P R S C ID CR
Input Search (when Auto Input Search is ON)	INS o X X X X X X X X 'P T N S CR	' T N S S C ID CR
Key Control Group		
"UP" Key	KUP o X X X X X X X X 'P U CR	' K U P S C ID CR
"DOWN" Key	KDN o X X X X X X X X 'P D N CR	' K D N S C ID CR
"LEFT" Key	KLE o X X X X X X X X 'P L E CR	' K L E S C ID CR
"RIGHT" Key	KRI o X X X X X X X X 'P R I CR	' K R I S C ID CR
"ON/STANDBY" Key	KON o X X X X X X X X 'P O N CR	' K O N S C ID CR
"MENU" Key	KMN o X X X X X X X X 'P M N CR	' K M N S C ID CR
"ENTER" Key	KEN o X X X X X X X X 'P E N CR	' K E N S C ID CR
"INPUT" Key	KIN o X X X X X X X X 'P K T N CR	' K T N S C ID CR
"MUTE" Key	KMT o X X X X X X X X 'P M T CR	' K M T S C ID CR
Slide Show Control Group		
Move to root directory - Thumbnail	OMR o X X X X X X X X 'P M R CR	' O M R S C ID CR
Move to top file in directory - Thumbnail	OMT o X X X X X X X X 'P O M T CR	' O M T S C ID CR
Move thumbnail cursor up	OCU o X X X X X X X X 'P O C U CR	' O C U S C ID CR
Move thumbnail cursor down	OCD o X X X X X X X X 'P O C D CR	' O C D S C ID CR
Move thumbnail cursor left	OCL o X X X X X X X X 'P O C L CR	' O C L S C ID CR
Move thumbnail cursor right	OCR o X X X X X X X X 'P O C R CR	' O C R S C ID CR
Display previous JPEG file	OSP o X X X X X X X X 'P O S P CR	' O S P S C ID CR
Display next JPEG file	OSN o X X X X X X X X 'P O S N CR	' O S N S C ID CR
Switch to auto slide mode	OSA o X X X X X X X X 'P O S A CR	' O S A S C ID CR
Switch to manual slide mode	OSM o X X X X X X X X 'P O S M CR	' O S M S C ID CR
Stop JPEG slide show	OSS o X X X X X X X X 'P O S S CR	' O S S S C ID CR
USB Execute Group		
Unplug USB Device	OUD o X X X X X X X X 'P U D CR	' O U D S C ID CR
Network Execute Group		
Initialize all settings in Network unit	OIA o X X X X X X X X 'P O T A CR	' O T A S C ID CR
Initialize wireless LAN settings	OIN o X X X X X X X X 'P O T N CR	' O T N S C ID CR
設定コマンド		
Setting Group (Following State is "UART 0 Setting" with OSD)		
Picture Mode	PIC x O X X X X X X X X 'P T C CR	' P T C PARAM : 0 to 4 CR
PictureMode 1(Bright) = 0	x O X X X X X X X X 'P T C '0 CR	' P T C '0 CR
PictureMode 2(Standard) = 1	x O X X X X X X X X 'P T C '1 CR	' P T C '1 CR
PictureMode 3(Natural) = 2	x O X X X X X X X X 'P T C '2 CR	' P T C '2 CR
PictureMode 4(Movie) = 3	x O X X X X X X X X 'P T C '3 CR	' P T C '3 CR
PictureMode 5(DICOM Sim. Mode) = 4	x O X X X X X X X X 'P T C '4 CR	' P T C '4 CR
Default	x O X X X X X X O 'P T C '1 N T CR	' P T C '1 CR
Noise Reduction	NRE x O X X X X X X X X 'P T E CR	' N R E PARAM : 0 to 1 CR
Noise Reduction Off = 0	x O X X X X X X X X 'P T E '0 CR	' N R E '0 CR
Noise Reduction On = 1	x O X X X X X X X X 'P T E '1 CR	' N R E '1 CR
Default	x O X X X X X X O 'P T E '0 N T CR	' N R E '0 CR
RGB Input Range	RRI x O X X X X X X X X 'P T R CR	' R R I PARAM : 0 to 2 CR
Auto = 0	x O X X X X X X X X 'P T R '0 CR	' R R I '0 CR
Standard = 1	x O X X X X X X X X 'P T R '1 CR	' R R I '1 CR
Full = 2	x O X X X X X X X X 'P T R '2 CR	' R R I '2 CR
Default	x O X X X X X X O 'P T R '0 N T CR	' R R I '0 CR
Auto Keystone	AAK x O X X X X X X X X 'P A A K CR	' A A K PARAM : 0 to 1 CR
Off = 0	x O X X X X X X X X 'P A A K '0 CR	' A A K '0 CR
On = 1	x O X X X X X X X X 'P A A K '1 CR	' A A K '1 CR
Default	x O X X X X X X O 'P A A K '1 N T CR	' A A K '1 CR
Aspect	SCS x O X X X X X X X X 'P S C S CR	' S C S PARAM : 0 to 4 CR
Screen Size (Normal) = 0	x O X X X X X X X X 'P S C S '0 CR	' S C S '0 CR
Screen Size (16:9) = 1	x O X X X X X X X X 'P S C S '1 CR	' S C S '1 CR
Screen Size (Full) = 2	x O X X X X X X X X 'P S C S '2 CR	' S C S '2 CR
Screen Size (Native) = 3	x O X X X X X X X X 'P S C S '3 CR	' S C S '3 CR
Screen Size (Zoom) = 4	x O X X X X X X X X 'P S C S '4 CR	' S C S '4 CR
Default	x O X X X X X X O 'P S C S '0 N T CR	' S C S '0 CR
Wall Color Mode	BBM x O X X X X X X X X 'P B B M CR	' B B M PARAM : 0 to 5 CR
Off = 0	x O X X X X X X X X 'P B B M '0 CR	' B B M '0 CR
Whiteboard = 1	x O X X X X X X X X 'P B B M '1 CR	' B B M '1 CR
Beige = 2	x O X X X X X X X X 'P B B M '2 CR	' B B M '2 CR
Gray = 3	x O X X X X X X X X 'P B B M '3 CR	' B B M '3 CR
Blackboard(Green) = 4	x O X X X X X X X X 'P B B M '4 CR	' B B M '4 CR
Default	x O X X X X X X O 'P B B M '0 N T CR	' B B M '0 CR
3D Projection	DPJ x O X X X X X X X X 'P J CR	' D P J PARAM : 0 to 1 CR
Off = 0	x O X X X X X X X X 'P J '0 CR	' D P J '0 CR
On = 1	x O X X X X X X X X 'P J '1 CR	' D P J '1 CR
Default	x O X X X X X X O 'P J '0 N T CR	' D P J '0 CR
3D LR Reverse	LRR x O X X X X X X X X 'P L R CR	' L R R PARAM : 0 to 1 CR
Normal = 0	x O X X X X X X X X 'P L R '0 CR	' L R R '0 CR
Reverse = 1	x O X X X X X X X X 'P L R '1 CR	' L R R '1 CR
Default	x O X X X X X X O 'P L R '0 N T CR	' L R R '0 CR
3D Format	TDF x O X X X X X X X X 'P T F CR	' T D F PARAM : 0 to 4 CR
Auto = 0	x O X X X X X X X X 'P T F '0 CR	' T D F '0 CR
Frame sequential = 1	x O X X X X X X X X 'P T F '1 CR	' T D F '1 CR
Side by Side = 2	x O X X X X X X X X 'P T F '2 CR	' T D F '2 CR
Top and Bottom = 3	x O X X X X X X X X 'P T F '3 CR	' T D F '3 CR
Frame Packing = 4	x O X X X X X X X X 'P T F '4 CR	' T D F '4 CR
Default	x O X X X X X X O 'P T F '0 N T CR	' T D F '0 CR

Closed Caption	
Off = 0	
CC-1 = 1	
CC-2 = 2	
CC-3 = 3	
CC-4 = 4	
Default	
High Quality Sound Mode	
Standard = 1	
Narration = 2	
Music = 3	
Default	
Start on Input Detection	
Off = 0	
On = 1	
Default	
Lamp Power	
Low = 0	
Standard = 1	
Default	
Lamp Power on No Signal	
Eco = 0	
Standard = 1	
Default	
Image Eco	
Off = 0	
On = 1	
Default	
Power Off on No Signal	
Off = 0	
On(min) = 1	
On(1min) = 2	
On(2min) = 3	
On(30min) = 4	
Default	
Power on Standby	
Eco	
Quick On	
Default	
Network Settings on Standby	
Do not Use	
Wired Lan	
Wired/Wireless LAN	
Default	
Auto Input Search	
Off = 0	
On = 1	
Default	
Interactive Mode	
Off = 0	
On = 1	
Default	
Beep	
Off = 0	
On = 1	
Default	
Background	
Logo = 0	
Blue = 1	
None = 2	
Default	
Display Guidance	
Off = 0	
On = 1	
Default	
Startup Screen	
Off = 0	
On = 1	
Default	
Language	
English = 0	
Japanese = 1	
Spanish = 2	
Russian = 3	
French = 4	
Portuguese = 5	
German = 6	
Italian = 7	
Dutch = 8	
Polish = 9	
(Reserved)	
Swedish = 11	
(Reserved)	
(Reserved)	
Norwegian = 14	
Danish = 15	
Romanian = 16	
(Reserved)	
Turkish = 18	
Arabic = 19	
Thai = 20	
Indonesia = 21	
Language Chinese T = 22	
Default	
Current Time	
CTM	x o x x x x x x w' c t m cr
CT0	x o x x x x x x w' c t 0 * "Note U2-0 CR
CT1	x o x x x x x x w' c t 1 * "Note U2-1 CR

Time Zone	TZM	x	o	x	x	x	x	x	#'	T	Z	M	CR			'	T	Z	M	'	*Note U9	CR						
		x	o	x	x	x	x	x	#'	T	Z	M	'	*Note U8	CR		'	T	Z	M	'	*Note U9	CR					
Power Timer	PTM	x	o	x	x	x	x	x	#'	T	M	CR				'	P	T	M	'		PARAM : 0 to 1	CR					
Off = 0		x	o	x	x	x	x	x	#'	T	M	'	'	CR		'	P	T	M	'	'	CR						
On = 1		x	o	x	x	x	x	x	#'	T	M	'	'	1	CR		'	P	T	M	'	'	1	CR				
Default		x	o	x	x	x	x	x	o	#'	T	M	'	T	'	N	T	CR		'	P	T	M	'	'	0	CR	
Projection Day	PJD	x	o	x	x	x	x	x	#'	P	J	D	CR			'	P	J	D	'		*Note U5	CR					
		x	o	x	x	x	x	x	#'	P	J	D	'	*Note U4	CR		'	P	J	D	'		*Note U5	CR				
Projection Time	PJT	x	o	x	x	x	x	x	#'	P	J	T	CR			'	P	J	T	'		*Note U7	CR					
		x	o	x	x	x	x	x	#'	P	J	T	'	*Note U6	CR		'	P	J	T	'		*Note U7	CR				
Projection Mode	PJM	x	o	x	x	x	x	x	#'	P	J	M	CR			'	P	J	M	'		PARAM : 0 to 3	CR					
Standard = 0		x	o	x	x	x	x	x	#'	P	J	M	'	'	CR		'	P	J	M	'	'	0	CR				
Rear = 1		x	o	x	x	x	x	x	#'	P	J	M	'	'	1	CR		'	P	J	M	'	'	1	CR			
Ceiling = 2		x	o	x	x	x	x	x	#'	P	J	M	'	'	2	CR		'	P	J	M	'	'	2	CR			
Rear_Ceiling = 3		x	o	x	x	x	x	x	#'	P	J	M	'	'	3	CR		'	P	J	M	'	'	3	CR			
Default		x	o	x	x	x	x	x	o	#'	P	J	M	'	T	'	N	T	CR		'	P	J	M	'	'	0	CR
Remote Control ID	RCD	x	o	x	x	x	x	x	#'	R	C	D	CR			'	R	C	D	'		PARAM : 0 to 3	CR					
ID 1 = 0		x	o	x	x	x	x	x	#'	R	C	D	'	'	0	CR		'	R	C	D	'	'	0	CR			
ID 2 = 1		x	o	x	x	x	x	x	#'	R	C	D	'	'	1	CR		'	R	C	D	'	'	1	CR			
ID 3 = 2		x	o	x	x	x	x	x	#'	R	C	D	'	'	2	CR		'	R	C	D	'	'	2	CR			
ID 4 = 3		x	o	x	x	x	x	x	#'	R	C	D	'	'	3	CR		'	R	C	D	'	'	3	CR			
Default		x	o	x	x	x	x	x	o	#'	R	C	D	'	T	'	N	T	CR		'	R	C	D	'	'	0	CR
Direct Power On	APM	x	o	x	x	x	x	x	#'	A	P	M	CR			'	A	P	M	'		PARAM : 0 to 1	CR					
Off = 0		x	o	x	x	x	x	x	#'	A	P	M	'	'	0	CR		'	A	P	M	'	'	0	CR			
On = 1		x	o	x	x	x	x	x	#'	A	P	M	'	'	1	CR		'	A	P	M	'	'	1	CR			
Default		x	o	x	x	x	x	x	o	#'	A	P	M	'	T	'	N	T	CR		'	A	P	M	'	'	0	CR
High Altitude Mode	FMD	x	o	x	x	x	x	x	#'	F	M	D	CR			'	F	M	D	'		PARAM : 0 to 1	CR					
Off = 0		x	o	x	x	x	x	x	#'	F	M	D	'	'	0	CR		'	F	M	D	'	'	0	CR			
On = 1		x	o	x	x	x	x	x	#'	F	M	D	'	'	1	CR		'	F	M	D	'	'	1	CR			
Default		x	o	x	x	x	x	x	o	#'	F	M	D	'	T	'	N	T	CR		'	F	M	D	'	'	0	CR
Key Lock	KLC	x	o	x	x	x	x	x	#'	K	L	C	CR			'	K	L	C	'		PARAM : 0 to 1	CR					
Off = 0		x	o	x	x	x	x	x	#'	K	L	C	'	'	0	CR		'	K	L	C	'	'	0	CR			
On = 1		x	o	x	x	x	x	x	#'	K	L	C	'	'	1	CR		'	K	L	C	'	'	1	CR			
Default		x	o	x	x	x	x	x	o	#'	K	L	C	'	T	'	N	T	CR		'	K	L	C	'	'	0	CR
Toggle Function Group (Following State is Each Execution State)																												
Mute	MUT	x	o	x	x	x	x	x	#'	M	U	T	CR			'	M	U	T	'		PARAM : 0 to 1	CR					
Mute On = 1		x	o	x	x	x	x	x	#'	M	U	T	'	'	1	CR		'	M	U	T	'	'	1	CR			
Mute Off = 0		x	o	x	x	x	x	x	#'	M	U	T	'	'	0	CR		'	M	U	T	'	'	0	CR			
Freeze	FRZ	x	o	x	x	x	x	x	#'	F	R	Z	CR			'	F	R	Z	'		PARAM : 0 to 1	CR					
Freeze On = 1		x	o	x	x	x	x	x	#'	F	R	Z	'	'	1	CR		'	F	R	Z	'	'	1	CR			
Freeze Off = 0		x	o	x	x	x	x	x	#'	F	R	Z	'	'	0	CR		'	F	R	Z	'	'	0	CR			
Resize	RSZ	x	o	x	x	x	x	x	#'	R	S	Z	CR			'	R	S	Z	'		PARAM : 0 to 1	CR					
Resize State = On (Get Status Only)		x	o	x	x	x	x	x	#'	R	S	Z	'	'	1	CR		'	R	S	Z	'	'	1	CR			
Resize State = Off (Get Status Only)		x	o	x	x	x	x	x	#'	R	S	Z	'	'	0	CR		'	R	S	Z	'	'	0	CR			
Resize Up = INC		x	o	x	x	x	x	x	#'	R	S	Z	'	'	T	'	N	C	CR		'	R	S	Z	'		PARAM : 0 to 1	CR
Resize Down = DEC		x	o	x	x	x	x	x	#'	R	S	Z	'	'	D	'	E	C	CR		'	R	S	Z	'		PARAM : 0 to 1	CR
Resize Off (in RESIZE state) = INI		x	o	x	x	x	x	x	o	#'	R	S	Z	'	T	'	N	T	CR		'	R	S	Z	'	'	0	CR

Resize Move Up = 1	PO1	o x x x x x x x x # P' O' 1' CR	= P' O' 1' .. S' C ID CR
Resize Move Down = 2	PO2	o x x x x x x x x # P' O' 2' CR	= P' O' 2' .. S' C ID CR
Resize Move Left = 3	PO3	o x x x x x x x x # P' O' 3' CR	= P' O' 3' .. S' C ID CR
Resize Move Right = 4	PO4	o x x x x x x x x # P' O' 4' CR	= P' O' 4' .. S' C ID CR
Display Position			
Display Position Up = 1	DP1	o x x x x x x x x # D' P' 1' CR	= D' P' 1' .. S' C ID CR
Display Position Down = 2	DP2	o x x x x x x x x # D' P' 2' CR	= D' P' 2' .. S' C ID CR
Display Position Left = 3	DP3	o x x x x x x x x # D' P' 3' CR	= D' P' 3' .. S' C ID CR
Display Position Right = 4	DP4	o x x x x x x x x # D' P' 4' CR	= D' P' 4' .. S' C ID CR
Special Group (Following State Is "Input Channel")			
Input Source	INP	x o x x x x x x x x # T' N' P' CR	= T' N' P' .. M : 0 to 13 CR
RGB 1 = 1		x o o x x x x x x # T' N' P' .. 1' CR	= T' N' P' .. 1' CR
YPBPr 1 = 2		x o o x x x x x x # T' N' P' .. 2' CR	= T' N' P' .. 2' CR
[Reserved]			
[Reserved]			
HDMI 5 = 5		x o o x x x x x x # T' N' P' .. 5' CR	= T' N' P' .. 5' CR
[Reserved]			
[Reserved]			
Video = 9		x o o x x x x x x # T' N' P' .. 9' CR	= T' N' P' .. 9' CR
[Reserved]			
[Reserved]			
Network = 12		x o o x x x x x x # T' N' P' .. 12' CR	= T' N' P' .. 12' CR
USB = 13		x o o x x x x x x # T' N' P' .. 13' CR	= T' N' P' .. 13' CR
Server = 14		x o o x x x x x x # T' N' P' .. 14' CR	= T' N' P' .. 14' CR
Mrafcast = 15		x o o x x x x x x # T' N' P' .. 15' CR	= T' N' P' .. 15' CR
Thumbnail Setting Group			
Auto Demo	OAD	x o x x x x x x x x # O' A' D' CR	= O' A' D' .. PARAM : 0 to 1 CR
Off = 0		x o o x x x x x x # O' A' D' .. 0' CR	= O' A' D' .. 0' CR
On = 1		x o o x x x x x x # O' A' D' .. 1' CR	= O' A' D' .. 1' CR
Set Interval Time	NIT	x o o x x x x x x # N' T' T' PARAM : 5 to 999 CR	= N' T' T' .. 0 CR CR NU
Get Interval Time	NVQ	x o x x x x x x x # N' V' Q' CR	= N' V' Q' .. PARAM : 5 to 999
Initialize Interval Time	NVI	x o x x x x x x x # N' W' V' T' CR	= N' W' V' T' .. CR CR NU
Repeat	ORP	x o x x x x x x x # O' R' P' CR	= O' R' P' .. PARAM : 0 to 1 CR
Off = 0		x o o x x x x x x # O' R' P' .. 0' CR	= O' R' P' .. 0' CR
On = 1		x o o x x x x x x # O' R' P' .. 1' CR	= O' R' P' .. 1' CR
Display Effect	ODE	x o x x x x x x x # O' D' E' CR	= O' D' E' .. PARAM : 0 to 9 CR
None = 0		x o o x x x x x x # O' D' E' .. 0' CR	= O' D' E' .. 0' CR
Push = 1		x o o x x x x x x # O' D' E' .. 1' CR	= O' D' E' .. 1' CR
Wipe = 2		x o o x x x x x x # O' D' E' .. 2' CR	= O' D' E' .. 2' CR
Fade = 3		x o o x x x x x x # O' D' E' .. 3' CR	= O' D' E' .. 3' CR
Default		x o x x x x x x o # O' D' E' .. T' N' T' CR	= O' D' E' .. 4' CR
音声取扱いマニュアル			
Projector Status Group			
Projector Power State	SPS	x o x x x x x x x x # S' P' S' CR	= S' P' S' .. PARAM : 0 to 7
Input Channel Information	SIC	x o x x x x x x x x # S' I' C CR	= S' I' C .. M : 0 to 255 CR
Input Source Information	SIS	x o x x x x x x x x # S' S' S CR	= S' S' S .. PARAM : 0 to 255 CR
Signal Mode Information	SSG	x o x x x x x x x x # S' S' G CR	= S' S' G .. PARAM : 0 to 65535 CR
Detected Error Type	SER	x o x x x x x x x x # S' E' R' CR	= S' E' R' .. M : 0 to 255 CR
User Lamp Time	SLT	x o x x x x x x x x # S' L' T CR	= S' L' T .. Note U1 CR
Filter Time	SPT	x o x x x x x x x x # S' P' T CR	= S' P' T .. Note U1 CR
Total Time	STT	x o x x x x x x x x # S' S' T' T CR	= S' S' T' .. Note U1 CR
Fan 1 Speed (RPM)	SF1	x o x x x x x x x x # S' F' 1' CR	= S' F' 1' .. PARAM : 0 to 65535 CR
Fan 2 Speed (RPM)	SF2	x o x x x x x x x x # S' F' 2' CR	= S' F' 2' .. PARAM : 0 to 65535 CR
Fan 3 Speed (RPM)	SF3	x o x x x x x x x x # S' F' 3' CR	= S' F' 3' .. PARAM : 0 to 65535 CR
Temperature 1 (Degree C)	ST1	x o x x x x x x x x # S' T' 1' CR	= S' T' 1' .. PARAM : -120 to 127 CR
Serial Number	SSN	x o x x x x x x x x # S' S' N CR	= S' S' N .. 16 Byte ASCII Code CR
Software Version	SSV	x o x x x x x x x x # S' S' V CR	= S' S' V .. 4Byte ASCII Code CR
コントロール			
Adjustment Group (Following State Is "UART 0 Adjustment" with OSD)			
Volume	VVL	x o o o o o o o # V' V' V' L' .. PARAM : 0 to 50 CR	= V' V' V' L' .. PARAM : 0 to 50 CR
Y Keystone	PKS	x o o o o o o o # V' P' K' S .. PARAM : -32 to +32 CR	= P' K' S .. PARAM : -32 to +32 CR
Zoom (0-20% reduction)	ZOM	x o o o o o o o # V' Z' O' M' .. PARAM : 0 to 20 CR	= Z' O' M' .. PARAM : 0 to 20 CR
Contrast	VCN	x o o o o o o o # V' C' N' .. PARAM : -16 to +16 CR	= V' C' N' .. PARAM : -16 to +16 CR
Brightness	VBR	x o o o o o o o # V' B' R' .. PARAM : -16 to +16 CR	= V' B' R' .. PARAM : -16 to +16 CR
Sharpness	VSH	x o o o o o o o # V' S' H' .. PARAM : -8 to +8 CR	= V' S' H' .. PARAM : -8 to +8 CR
Red Level	VLR	x o o o o o o o # V' L' R' .. PARAM : -16 to +16 CR	= V' L' R' .. PARAM : -16 to +16 CR
Green Level	VLG	x o o o o o o o # V' L' G' .. PARAM : -16 to +16 CR	= V' L' G' .. PARAM : -16 to +16 CR
Blue Level	VLB	x o o o o o o o # V' L' B' .. PARAM : -16 to +16 CR	= V' L' B' .. PARAM : -16 to +16 CR
Color Saturation	VCL	x o o o o o o o # V' C' L' .. PARAM : -16 to +16 CR	= V' C' L' .. PARAM : -16 to +16 CR
Tint	VTN	x o o o o o o o # V' T' N' .. PARAM : -16 to +16 CR	= V' T' N' .. PARAM : -16 to +16 CR
Phase	PPH	x o o o o o o o # P' P' H' .. PARAM : 0 to 31 CR	= P' P' H' .. PARAM : 0 to 31 CR
Frequency	PCK	x o o o o o o o # P' C' K' .. PARAM : -64 to +64 CR	= P' C' K' .. PARAM : -64 to +64 CR
H Position	PHP	x o o o o o o o # P' H' P' .. PARAM : -64 to +64 CR	= P' H' P' .. PARAM : -64 to +64 CR
V Position	PVP	x o o o o o o o # P' V' P' .. PARAM : -32 to +32 CR	= P' V' P' .. PARAM : -32 to +32 CR
Clamp 1 (Position)	PC1	x o o o o o o o # P' C' 1' .. PARAM : 0 to 255 CR	= P' C' 1' .. PARAM : 0 to 255 CR
Clamp 2 (Width)	PC2	x o o o o o o o # P' C' 2' .. PARAM : 0 to 255 CR	= P' C' 2' .. PARAM : 0 to 255 CR

Note : 115200bps / No Parity / Data Length 8-Bit / Stop Bit Length 1-Bit