

DLP®プロジェクター RICOH PJ WX4241N/WX4241

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' 'X' CR
 PARAM: None

Example
 Turn on the projector (Success)
 # 'P' 'O' 'N' CR

<Adjustment command>

Get

'X' 'X' 'X' 'X' CR
 PARAM: None

Example
 Get the volume (25)
 # 'V' 'V' 'L' CR

Set

'X' 'X' 'X' 'X' : PARAM CR

PARAM: [ASCII number] Set the value(+)
 '+' [ASCII number] Set the value(+)
 '-' [ASCII number] Set the value(-)
 'I' 'N' 'C' Increment the value (+1)
 'D' 'E' 'C' Decrement the value(-1)
 'M' 'A' 'X' Maximize the value
 'M' 'I' 'N' Minimize the value
 'I' 'N' 'I' initialize the value

Example
 Set the Contrast (-3)
 # 'V' 'C' 'N' : '-' '3' CR

Increment the Brightness (+3 -> +4)
 # 'V' 'B' 'R' : 'I' 'N' 'C' CR

Initialize the V Keystone (0)
 # 'P' 'K' 'S' : 'I' 'N' 'I' CR

<Setting Command>

Get

'X' 'X' 'X' 'X' CR
 PARAM: None

Example
 Get the language (English = 0)
 # 'L' 'N' 'G' CR

Set

'X' 'X' 'X' 'X' : PARAM CR

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

Example
 Set the language (Japanese = 10)
 # 'L' 'N' 'G' : 'I' '0' CR

Initialize the projection mode (standard = 0)
 # 'P' 'J' 'M' : 'I' 'N' 'I' CR

●Response of Illegal command

<Unsupported command>

Example
 Unknown Command
 # 'A' 'B' 'C' CR

Unknown Parameter
 # 'P' 'J' 'M' : 'X' 'Y' 'Z' CR

Response

'=' 'X' 'X' 'X' 'X' : 'S' 'C' ID CR

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

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

'=' 'X' '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 includes negative value, the parameter has no sign.

'=' 'V' 'V' 'L' : '2' '5' CR

'=' 'X' '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 includes negative value, the parameter has no sign.

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

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

'=' 'P' 'K' 'S' : '0' CR

'=' 'X' 'X' 'X' 'X' : PARAM CR

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

'=' 'L' 'N' 'G' : '0' CR

'=' 'X' 'X' 'X' 'X' : PARAM CR

PARAM: The value after setting

'=' 'L' 'N' 'G' : 'I' '0' CR

'=' 'P' 'J' 'M' : '0' CR

'=' 'E' 'R' ID CR

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

'=' 'E' 'R' '0' CR

'=' 'E' 'R' '0' CR

Function	Command Name	EXE	GET	SET						Command	Response																
				(val)	INC	DEC	MAX	MIN	INI																		
設定コマンド																											
Setting Group (Following State is "UART 0 Setting" with OSD)																											
Beige = 2		X	O	O	X	X	X	X	#	'B'	'B'	'M'	'2'	CR					'B'	'B'	'M'	'2'	CR				
Gray = 3		X	O	O	X	X	X	X	#	'B'	'B'	'M'	'3'	CR					'B'	'B'	'M'	'3'	CR				
Blackboard(Green) = 4		X	O	O	X	X	X	X	#	'B'	'B'	'M'	'4'	CR					'B'	'B'	'M'	'4'	CR				
Default		X	O	X	X	X	X	O	#	'B'	'B'	'M'	'T'	'N'	'T'	CR			'B'	'B'	'M'	'0'	CR				
3D Projection	DPJ	X	O	X	X	X	X	X	#	'D'	'P'	'J'		CR					'D'	'P'	'J'		PARAM : 0 to 1	CR			
Off = 0		X	O	O	X	X	X	X	#	'D'	'P'	'J'	'0'	CR					'D'	'P'	'J'	'0'	CR				
On = 1		X	O	O	X	X	X	X	#	'D'	'P'	'J'	'1'	CR					'D'	'P'	'J'	'1'	CR				
Default		X	O	X	X	X	X	O	#	'D'	'P'	'J'	'T'	'N'	'T'	CR			'D'	'P'	'J'	'0'	CR				
3D LR Reverse	LRR	X	O	X	X	X	X	X	#	'L'	'R'	'R'		CR					'L'	'R'	'R'		PARAM : 0 to 1	CR			
Normal = 0		X	O	O	X	X	X	X	#	'L'	'R'	'R'	'0'	CR					'L'	'R'	'R'	'0'	CR				
Reverse = 1		X	O	O	X	X	X	X	#	'L'	'R'	'R'	'1'	CR					'L'	'R'	'R'	'1'	CR				
Default		X	O	X	X	X	X	O	#	'L'	'R'	'R'	'T'	'N'	'T'	CR			'L'	'R'	'R'	'0'	CR				
3D Format	TDF	X	O	X	X	X	X	X	#	'T'	'D'	'F'		CR					'T'	'D'	'F'		PARAM : 0 to 4	CR			
Auto = 0		X	O	O	X	X	X	X	#	'T'	'D'	'F'	'0'	CR					'T'	'D'	'F'	'0'	CR				
Frame sequential = 1		X	O	O	X	X	X	X	#	'T'	'D'	'F'	'1'	CR					'T'	'D'	'F'	'1'	CR				
Side by Side = 2		X	O	O	X	X	X	X	#	'T'	'D'	'F'	'2'	CR					'T'	'D'	'F'	'2'	CR				
Top and Bottom = 3		X	O	O	X	X	X	X	#	'T'	'D'	'F'	'3'	CR					'T'	'D'	'F'	'3'	CR				
Frame Packing = 4		X	O	O	X	X	X	X	#	'T'	'D'	'F'	'4'	CR					'T'	'D'	'F'	'4'	CR				
Default		X	O	X	X	X	X	O	#	'T'	'D'	'F'	'T'	'N'	'T'	CR			'T'	'D'	'F'	'0'	CR				
Closed Caption	CCM	X	O	X	X	X	X	X	#	'C'	'C'	'M'		CR					'C'	'C'	'M'		PARAM : 0 to 4	CR			
Off = 0		X	O	O	X	X	X	X	#	'C'	'C'	'M'	'0'	CR					'C'	'C'	'M'	'0'	CR				
CC-1 = 1		X	O	O	X	X	X	X	#	'C'	'C'	'M'	'1'	CR					'C'	'C'	'M'	'1'	CR				
CC-2 = 2		X	O	O	X	X	X	X	#	'C'	'C'	'M'	'2'	CR					'C'	'C'	'M'	'2'	CR				
CC-3 = 3		X	O	O	X	X	X	X	#	'C'	'C'	'M'	'3'	CR					'C'	'C'	'M'	'3'	CR				
CC-4 = 4		X	O	O	X	X	X	X	#	'C'	'C'	'M'	'4'	CR					'C'	'C'	'M'	'4'	CR				
Default		X	O	X	X	X	X	O	#	'C'	'C'	'M'	'T'	'N'	'T'	CR			'C'	'C'	'M'	'0'	CR				
Eco Mode	LPP	X	O	X	X	X	X	X	#	'L'	'P'	'P'		CR					'L'	'P'	'P'		PARAM : 0 to 2	CR			
On (Auto) = 0		X	O	O	X	X	X	X	#	'L'	'P'	'P'	'0'	CR					'L'	'P'	'P'	'0'	CR				
On (Detailed) = 1		X	O	O	X	X	X	X	#	'L'	'P'	'P'	'1'	CR					'L'	'P'	'P'	'1'	CR				
Off = 2		X	O	O	X	X	X	X	#	'L'	'P'	'P'	'2'	CR					'L'	'P'	'P'	'2'	CR				
Default		X	O	X	X	X	X	O	#	'L'	'P'	'P'	'T'	'N'	'T'	CR			'L'	'P'	'P'	'0'	CR				
Lamp Power	LPM	X	O	X	X	X	X	X	#	'L'	'P'	'M'		CR					'L'	'P'	'M'		PARAM : 0 to 4	CR			
Auto = 0		X	O	O	X	X	X	X	#	'L'	'P'	'M'	'0'	CR					'L'	'P'	'M'	'0'	CR				
Maximum = 1		X	O	O	X	X	X	X	#	'L'	'P'	'M'	'1'	CR					'L'	'P'	'M'	'1'	CR				
High = 2		X	O	O	X	X	X	X	#	'L'	'P'	'M'	'2'	CR					'L'	'P'	'M'	'2'	CR				
Medium = 3		X	O	O	X	X	X	X	#	'L'	'P'	'M'	'3'	CR					'L'	'P'	'M'	'3'	CR				
Low = 4		X	O	O	X	X	X	X	#	'L'	'P'	'M'	'4'	CR					'L'	'P'	'M'	'4'	CR				
Default		X	O	X	X	X	X	O	#	'L'	'P'	'M'	'T'	'N'	'T'	CR			'L'	'P'	'M'	'0'	CR				
Lamp Power on No Signal	NSL	X	O	X	X	X	X	X	#	'N'	'S'	'L'		CR					'N'	'S'	'L'		PARAM : 0 to 1	CR			
Eco = 0		X	O	O	X	X	X	X	#	'N'	'S'	'L'	'0'	CR					'N'	'S'	'L'	'0'	CR				
Standard = 1		X	O	O	X	X	X	X	#	'N'	'S'	'L'	'1'	CR					'N'	'S'	'L'	'1'	CR				
Default		X	O	X	X	X	X	O	#	'N'	'S'	'L'	'T'	'N'	'T'	CR			'N'	'S'	'L'	'0'	CR				
Image Eco	IEC	X	O	X	X	X	X	X	#	'I'	'E'	'C'		CR					'I'	'E'	'C'		PARAM : 0 to 1	CR			
Off = 0		X	O	O	X	X	X	X	#	'I'	'E'	'C'	'0'	CR					'I'	'E'	'C'	'0'	CR				
On = 1		X	O	O	X	X	X	X	#	'I'	'E'	'C'	'1'	CR					'I'	'E'	'C'	'1'	CR				
Default		X	O	X	X	X	X	O	#	'I'	'E'	'C'	'T'	'N'	'T'	CR			'I'	'E'	'C'	'1'	CR				
Power Off on No Signal	NPF	X	O	X	X	X	X	X	#	'N'	'P'	'F'		CR					'N'	'P'	'F'		PARAM : 0 to 4	CR			
Off = 0		X	O	O	X	X	X	X	#	'N'	'P'	'F'	'0'	CR					'N'	'P'	'F'	'0'	CR				
On(5min) = 1		X	O	O	X	X	X	X	#	'N'	'P'	'F'	'1'	CR					'N'	'P'	'F'	'1'	CR				
On(10min) = 2		X	O	O	X	X	X	X	#	'N'	'P'	'F'	'2'	CR					'N'	'P'	'F'	'2'	CR				
On(20min) = 3		X	O	O	X	X	X	X	#	'N'	'P'	'F'	'3'	CR					'N'	'P'	'F'	'3'	CR				
On(30min) = 4		X	O	O	X	X	X	X	#	'N'	'P'	'F'	'4'	CR					'N'	'P'	'F'	'4'	CR				
Default		X	O	X	X	X	X	O	#	'N'	'P'	'F'	'T'	'N'	'T'	CR			'N'	'P'	'F'	'3'	CR				
Power on Standby	ESM	X	O	X	X	X	X	X	#	'E'	'S'	'M'		CR					'E'	'S'	'M'		PARAM : 0 to 1	CR			
Eco		X	O	O	X	X	X	X	#	'E'	'S'	'M'	'0'	CR					'E'	'S'	'M'	'0'	CR				
Quick On		X	O	O	X	X	X	X	#	'E'	'S'	'M'	'1'	CR					'E'	'S'	'M'	'1'	CR				
Default		X	O	X	X	X	X	O	#	'E'	'S'	'M'	'T'	'N'	'T'	CR			'E'	'S'	'M'	'0'	CR				
Network Settings on Standby	SBN	X	O	X	X	X	X	X	#	'S'	'B'	'N'		CR					'S'	'B'	'N'		PARAM : 0 to 2	CR			
Wired/Wireless LAN		X	O	O	X	X	X	X	#	'S'	'B'	'N'	'0'	CR					'S'	'B'	'N'	'2'	CR				
Wired Lan		X	O	O	X	X	X	X	#	'S'	'B'	'N'	'1'	CR					'S'	'B'	'N'	'1'	CR				
Do not Use		X	O	O	X	X	X	X	#	'S'	'B'	'N'	'2'	CR					'S'	'B'	'N'	'0'	CR				
Default		X	O	X	X	X	X	O	#	'S'	'B'	'N'	'T'	'N'	'T'	CR			'S'	'B'	'N'	'1'	CR				
Auto Input Search	AIS	X	O	X	X	X	X	X	#	'A'	'I'	'S'		CR					'A'	'I'	'S'		PARAM : 0 to 1	CR			
Off = 0		X	O	O	X	X	X	X	#	'A'	'I'	'S'	'0'	CR					'A'	'I'	'S'	'0'	CR				
On = 1		X	O	O	X	X	X	X	#	'A'	'I'	'S'	'1'	CR					'A'	'I'	'S'	'1'	CR				
Default		X	O	X	X	X	X	O	#	'A'	'I'	'S'	'T'	'N'	'T'	CR			'A'	'I'	'S'	'1'	CR				
Interactive Mode	PBS	X	O	X	X	X	X	X	#	'P'	'B'	'S'		CR					'P'	'B'	'S'		PARAM : 0 to 1</				

Function	Command Name	SET							Command										Response					
		EXE	GET	(val)	INC	DEC	MAX	MIN	INI															
設定コマンド																								
Setting Group (Following State is "UART 0 Setting" with OSD)																								
High Altitude Mode	FMD	X	O	X	X	X	X	X	X	#	F	M	D	CR				#	F	M	D	CR	PARAM : 0 to 1	CR
Off = 0		X	O	O	X	X	X	X	X	#	F	M	D	CR				#	F	M	D	CR		
On = 1		X	O	O	X	X	X	X	X	#	F	M	D	CR				#	F	M	D	CR		
Default		X	O	X	X	X	X	X	O	#	F	M	D	CR				#	F	M	D	CR		
Key Lock	KLC	X	O	X	X	X	X	X	X	#	K	L	C	CR				#	K	L	C	CR	PARAM : 0 to 1	CR
Off = 0		X	O	O	X	X	X	X	X	#	K	L	C	CR				#	K	L	C	CR		
On = 1		X	O	O	X	X	X	X	X	#	K	L	C	CR				#	K	L	C	CR		
Default		X	O	X	X	X	X	X	O	#	K	L	C	CR				#	K	L	C	CR		
Toggle Function Group (Following State is Each Execution State)																								
Mute	MUT	X	O	X	X	X	X	X	X	#	M	U	T	CR				#	M	U	T	CR	PARAM : 0 to 1	CR
Mute On = 1		X	O	O	X	X	X	X	X	#	M	U	T	CR				#	M	U	T	CR		
Mute Off = 0		X	O	O	X	X	X	X	X	#	M	U	T	CR				#	M	U	T	CR		
Freeze	FRZ	X	O	X	X	X	X	X	X	#	F	R	Z	CR				#	F	R	Z	CR	PARAM : 0 to 1	CR
Freeze On = 1		X	O	O	X	X	X	X	X	#	F	R	Z	CR				#	F	R	Z	CR		
Freeze Off = 0		X	O	O	X	X	X	X	X	#	F	R	Z	CR				#	F	R	Z	CR		
Resize	RSZ	X	O	X	X	X	X	X	X	#	R	S	Z	CR				#	R	S	Z	CR	PARAM : 0 to 1	CR
Resize State = On (Get Status Only)		X	O	X	X	X	X	X	X	#	R	S	Z	CR				#	R	S	Z	CR		
Resize State = Off (Get Status Only)		X	O	X	X	X	X	X	X	#	R	S	Z	CR				#	R	S	Z	CR		
Resize Up = INC		X	O	X	O	X	X	X	X	#	R	S	Z	CR				#	R	S	Z	CR	PARAM : 0 to 1	CR
Resize Down = DEC		X	O	X	X	O	X	X	X	#	R	S	Z	CR				#	R	S	Z	CR	PARAM : 0 to 1	CR
Resize Off (in RESIZE state) = INI		X	O	X	X	X	X	X	O	#	R	S	Z	CR				#	R	S	Z	CR		
Resize Move Up = 1	PO1	O	X	X	X	X	X	X	X	#	P	O	'1	CR				#	P	O	'1	CR	'S' 'C' ID	CR
Resize Move Down = 2	PO2	O	X	X	X	X	X	X	X	#	P	O	'2	CR				#	P	O	'2	CR	'S' 'C' ID	CR
Resize Move Left = 3	PO3	O	X	X	X	X	X	X	X	#	P	O	'3	CR				#	P	O	'3	CR	'S' 'C' ID	CR
Resize Move Right = 4	PO4	O	X	X	X	X	X	X	X	#	P	O	'4	CR				#	P	O	'4	CR	'S' 'C' ID	CR
Display Position																								
Display Position Up = 1	DP1	O	X	X	X	X	X	X	X	#	D	P	'1	CR				#	D	P	'1	CR	'S' 'C' ID	CR
Display Position Down = 2	DP2	O	X	X	X	X	X	X	X	#	D	P	'2	CR				#	D	P	'2	CR	'S' 'C' ID	CR
Display Position Left = 3	DP3	O	X	X	X	X	X	X	X	#	D	P	'3	CR				#	D	P	'3	CR	'S' 'C' ID	CR
Display Position Right = 4	DP4	O	X	X	X	X	X	X	X	#	D	P	'4	CR				#	D	P	'4	CR	'S' 'C' ID	CR
Special Group (Following State is "Input Channel")																								
Input Source	INP	X	O	X	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR	PARAM : 0 to 13	CR
RGB 1 = 1		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
YPbPr 1 = 2		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
RGB 2 = 3		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
(Reserved)																								
HDMI = 5		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
(Reserved)																								
(Reserved)																								
(Reserved)																								
Video = 9		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
(Reserved)																								
(Reserved)																								
Network = 12		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
USB = 13		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
Server = 14		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
Miracast = 15		X	O	O	X	X	X	X	X	#	I	N	P	CR				#	I	N	P	CR		
Thumbnail Setting Group																								
Auto Demo	OAD	X	O	X	X	X	X	X	X	#	O	A	D	CR				#	O	A	D	CR	PARAM : 0 to 1	CR
Off = 0		X	O	O	X	X	X	X	X	#	O	A	D	CR				#	O	A	D	CR		
On = 1		X	O	O	X	X	X	X	X	#	O	A	D	CR				#	O	A	D	CR		
Set Interval Time	NIT	X	O	O	X	X	X	X	X	#	N	I	T	CR				#	N	I	T	CR	PARAM : 5 to 999	CR
Get Interval Time	NVQ	X	O	X	X	X	X	X	X	#	N	V	Q	CR				#	N	V	Q	CR	PARAM : 5 to 999	
Initialize Interval Time	NVI	X	O	X	X	X	X	X	O	#	N	V	I	CR				#	N	V	I	CR		CR NU
Repeat	ORP	X	O	X	X	X	X	X	X	#	O	R	P	CR				#	O	R	P	CR	PARAM : 0 to 1	CR
Off = 0		X	O	O	X	X	X	X	X	#	O	R	P	CR				#	O	R	P	CR		
On = 1		X	O	O	X	X	X	X	X	#	O	R	P	CR				#	O	R	P	CR		
Display Effect	ODE	X	O	X	X	X	X	X	X	#	O	D	E	CR				#	O	D	E	CR	PARAM : 0 to 9	CR
None = 0		X	O	O	X	X	X	X	X	#	O	D	E	CR				#	O	D	E	CR		
Push = 1		X	O	O	X	X	X	X	X	#	O	D	E	CR				#	O	D	E	CR		
Wipe = 2		X	O	O	X	X	X	X	X	#	O	D	E	CR				#	O	D	E	CR		
Fade = 3		X	O	O	X	X	X	X	X	#	O	D	E	CR				#	O	D	E	CR		
Default		X	O	X	X	X	X	X	O	#	O	D	E	CR				#	O	D	E	CR		
情報取得コマンド																								
Projector Status Group																								
Projector Power State	SPS	X	O	X	X	X	X	X	X	#	S	P	S	CR				#	S	P	S	CR	PARAM : 0 to 7	
Input Channel Information	SIC	X	O	X	X	X	X	X	X	#	S	I	C	CR				#	S	I	C	CR	PARAM : 0 to 255	CR
Input Source Information	SIS	X	O	X	X	X	X	X	X	#	S	I	S	CR				#	S	I	S	CR	PARAM : 0 to 2555	CR
Signal Mode Information	SSG	X	O	X	X	X	X	X	X	#	S	S	G	CR				#	S	S	G	CR	PARAM : 0 to 65535	CR
Detected Error Type	SER	X	O	X	X	X	X	X	X	#	S	E	R	CR				#	S	E	R	CR	PARAM : 0 to 255	CR
User Lamp Time	SLT	X	O	X	X	X	X	X	X	#	S	L	T	CR				#	S	L	T	CR	*Note U1	CR
Filter Time	SPT	X	O	X	X	X	X	X	X	#	S	P	T	CR				#	S	P	T	CR	*Note U1	CR
Total Time	STT	X	O	X	X	X	X	X	X	#	S	T	T	CR				#	S	T	T	CR	*Note U1	CR
Fan 1 Speed (RPM)	SF1	X	O	X	X	X	X	X	X	#	S	F	1	CR				#	S	F	1	CR	PARAM : 0 to 65535	CR

Function	Command Name	EXE	GET	SET							Command												Response											
				(val)	INC	DEC	MAX	MIN	INI																									
情報取得コマンド																																		
Projector Status Group																																		
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		
Fan 4 Speed (RPM)	SF4	X	O	X	X	X	X	X	X	X	X	#	'S'	'F'	'4'	CR												'S'	'F'	'4'	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 : -128 to 127	CR		
Temperature 2 (Degree C)	ST2	X	O	X	X	X	X	X	X	X	X	#	'S'	'T'	'2'	CR												'S'	'T'	'2'	PARAM : -128 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		
調整コマンド																																		
Adjustment Group (Following State is "UART 0 Adjustment" with OSD)																																		
Volume	VVL	X	O	O	O	O	O	O	O	O	O	#	'V'	'V'	'L'	PARAM : 0 to 50	CR											'V'	'V'	'L'	PARAM : 0 to 50	CR		
V Keystone	PKS	X	O	O	O	O	O	O	O	O	O	#	'P'	'K'	'S'	PARAM : -40 to +40	CR											'P'	'K'	'S'	PARAM : -40 to +40	CR		
H Keystone	HKS	X	O	O	O	O	O	O	O	O	O	#	'H'	'K'	'S'	PARAM : -30 to +30	CR											'H'	'K'	'S'	PARAM : -30 to +30	CR		
Zoom (0-20% reduction)	ZOM	X	O	O	O	O	O	O	O	O	O	#	'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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

Note : Invalid Command Response 'E' 'R' 'ID' CR or No Return Data

Note : Execution Failure Response 'E' Command 'R' 'ID' CR

Note U1 : Timer Parameter Response 'H' Command 'H' Hours : 0 to 65535 'M' Min. : 0 to 59 'S' Sec. : 0 to 59 'S' CR

Note U2-0 : Current Time Parameter '#' 'C' 'T' '0' Year : 0 to 35 SPACE Month : 1 to 12 SPACE Day : 1 to 31 CR

Note U2-1 : Current Time Parameter '#' 'C' 'T' '1' Hours : 0 to 23 SPACE Min. : 0 to 59 CR

Note U3 : Current Time Parameter Response '#' 'C' 'T' 'M' Year : 0 to 35 SPACE Month : 1 to 12 SPACE Day : 1 to 31 SPACE Hours : 0 to 23 SPACE Min. : 0 to 59 CR

Note U3-0 : Current Time Parameter Response '#' 'C' 'T' '0' Year : 0 to 35 SPACE Month : 1 to 12 SPACE Day : 1 to 31 CR

Note U3-1 : Current Time Parameter Response '#' 'C' 'T' '1' Hours : 0 to 23 SPACE Min. : 0 to 59 CR

Note U4 : Power Timer Day Setting Parameter '#' 'P' 'J' 'D' Day : 0 to 127 CR *Day = bit0 : SUN, bit1 : MON, bit2 : TUE, bit3 : WED, ..., bit6 : SAT

Note U5 : Power Timer Day Setting Parameter Response '#' 'P' 'J' 'D' Day : 0 to 127 CR *Day = bit0 : SUN, bit1 : MON, bit2 : TUE, bit3 : WED, ..., bit6 : SAT

Note U6 : Power Timer Time Setting Parameter '#' 'P' 'J' 'T' Start Time : Hours SPACE Start Time : Min. SPACE End Time : Hours SPACE End Time : Min. CR
 (0 to 23, or 255) (0 to 59, or 255) (0 to 23) (0 to 59)

Note U7 : Power Timer Time Setting Parameter Response '#' 'P' 'J' 'T' Start Time : Hours 'S' Start Time : Min. 'S' End Time : Hours 'S' End Time : Min. CR
 (0 to 23, or 255) (0 to 59, or 255) (0 to 23 or 255) (0 to 59 or 255)

Note U8 : Time Zone Parameter '#' 'T' 'Z' 'M' Plus/Minus : 0 to 1 SPACE Hours : 0 to 14 SPACE Minutes : 0 or 30 CR * Plus/Minus = 0 : Minus, 1: Plus

Note U9 : Time Zone Parameter Response '#' 'T' 'Z' 'M' Plus/Minus : 0 to 1 SPACE Hours : 0 to 14 'S' Minutes : 0 or 30 CR * Plus/Minus = 0 : Minus, 1: Plus

