Control Command

PT-LB1U

PT-LB1E

PT-LB1EJ

PT-LB1EA

PT-LB1EAJ

PT-LB2U

PT-LB2E

PT-LB2EJ

PT-LB2EA

PT-LB2EAJ

PT-ST10E

PT-ST10EJ

PT-ST10EA

PT-ST10EAJ

Using the Serial Terminal

1. Basic Format

Transmission from the computer begins with STX, then the command, parameter and ETX are sent in this order.

Add parameters according to the details of control.

■Basic control command (without parameter)

Start (STX)	Command	End (ETX)
1 byte	3 byte	1 byte

■Basic control command (with parameters)

Start (STX)	Command	Separator(colon)	Parameters	End (ETX)
1 byte	3 byte	1 byte	Undefined length	1 byte

■Response (Callback) of the basic control command

In the period when the command can be accepted.

Differs according to each command.

In the period when commands cannot be accepted or the command does not exist

Hexadecimal	02h	45h	52h	34h	30h	31h	03h
Character		E	R	4	0	1	

In case of the parameter error

Hexadecimal	02h	45h	52h	34h	30h	32h	03h
Character		E	R	4	0	2	

■Notes:

- When sending several commands, be sure to wait for a response from the projector, and send the next command after 0.5 seconds or more pass .
- It might take time by the time the response returns because the command is processed in the projector. Set the time-out to 10 seconds or longer.
- If STANDBY MODE is set to ECO, only limited command can be used in the standby mode.

2. Basic Control Command

Explanatory notes

○ : Yes (Enable)
× : No (Disable)
△ : Case by case (Refer to the note)

2.1.Power ON (Lamp ON) key

Hexadecimal	02h	50h	4Fh	4Eh	03h
Character		P	O	N	

■Response (Callback)
In the period when the command can be accepted (This command in power-on condition is included)

Hexadecimal	02h	50h	4Fh	4Eh	03h
Character		P	O	N	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	○

■Note : When you confirm whether to have succeeded in power-on, confirm it by QPW (Query Power) command after receiving the callback of PON command.

2.2.Power OFF (Standby) key

Hexadecimal	02h	50h	4Fh	46h	03h
Character		P	O	F	

■Response (Callback)
In the period when the command can be accepted (This command in power-on condition is included)

Hexadecimal	02h	50h	4Fh	46h	03h
Character		P	O	F	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	○

■Note : When you confirm whether to have succeeded in power-on, confirm it by QPW (Query Power) command after receiving the callback of PON command.

2.3.AUTO SETUP key

Hexadecimal	02h	4Fh	41h	53h	03h
Character		O	A	S	

■Response (Callback)
In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	53h	03h
Character		O	A	S	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	△	×	×

■Note : During NO SIGNAL, this command is available only when "Signal Search" is "ON".

2.4.AV MUTE key

Hexadecimal	02h	4Fh	53h	48h	3Ah	*1	03h
Character		O	S	H	:	*2	

■Parameters (*1, *2)

	AV MUTE OFF	AV MUTE ON
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)
In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	48h	3Ah	*1	03h
Character		O	S	H	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	○	○	×

2.5.FREEZE key

Hexadecimal	02h	4Fh	46h	5Ah	3Ah	*1	03h
Character		O	F	Z	:	*2	

■Parameters (*1, *2)

	FREEZE OFF	FREEZE ON
Hexadecimal	Character	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	46h	5Ah	3Ah	*1	03h
Character		O	F	Z	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.6.INPUT SELECT key

Hexadecimal	02h	49h	49h	53h	3Ah	*1	*3	*5	03h
Character		I	I	S	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	COMPUTER1			COMPUTER2		
Hexadecimal	52h	47h	31h	52h	47h	32h
Character	R	G	1	R	G	2
	VIDEO			S-VIDEO		
Hexadecimal	56h	49h	44h	53h	56h	44h
Character	V	I	D	S	V	D

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	49h	49h	53h	3Ah	*1	*3	*5	03h
Character		I	I	S	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	△	○	○	×

■Note : During STANDBY, this command is available only when "AUDIO IN STANDBY" is "ON".

2.7.MENU key

Hexadecimal	02h	4Fh	4Dh	4Eh	03h
Character		O	M	N	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Dh	4Eh	03h
Character		O	M	N	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

2.8.ENTER key

Hexadecimal	02h	4Fh	45h	4Eh	03h
Character		O	E	N	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	4Eh	03h
Character		O	E	N	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	×	×

2.9.RETURN key

Hexadecimal	02h	4Fh	42h	4Bh	03h
Character		O	B	K	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	42h	4Bh	03h
Character		O	B	K	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

2.10.UP key

Hexadecimal	02h	4Fh	43h	55h	03h
Character		O	C	U	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	55h	03h
Character		O	C	U	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	×	×

2.11.DOWN key

Hexadecimal	02h	4Fh	43h	44h	03h
Character		O	C	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	44h	03h
Character		O	C	D	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	×	×

2.12.LEFT key

Hexadecimal	02h	4Fh	43h	4Ch	03h
Character		O	C	L	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	4Ch	03h
Character		O	C	L	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	×	×

2.13.RIGHT key

Hexadecimal	02h	4Fh	43h	52h	03h
Character		O	C	R	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	52h	03h
Character		O	C	R	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	×	×

2.14.DEFAULT key

Hexadecimal	02h	4Fh	53h	54h	03h
Character		O	S	T	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	54h	03h
Character		O	S	T	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	×	×

2.15.FUNCTION key

Hexadecimal	02h	46h	43h	31h	03h
Character		F	C	1	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	43h	31h	03h
Character		F	C	1	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	×	×

2.16.VOLUME + key

Hexadecimal	02h	41h	55h	55h	03h
Character		A	U	U	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	55h	55h	03h
Character		A	U	U	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	△	×	×	×

■Note : During STANDBY, this command is available only when "AUDIO IN STANDBY" is "ON".

2.17.VOLUME - key

Hexadecimal	02h	41h	55h	44h	03h
Character		A	U	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	55h	44h	03h
Character		A	U	D	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	△	×	×	×

■Note : During STANDBY, this command is available only when "AUDIO IN STANDBY" is "ON".

2.18.INDEX-WINDOW key

Hexadecimal	02h	4Fh	49h	58h	03h
Character		O	I	X	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	49h	58h	03h
Character		O	I	X	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.19.DIGITAL ZOOM + key

Hexadecimal	02h	44h	5Ah	55h	03h
Character		D	Z	U	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	5Ah	55h	03h
Character		D	Z	U	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.20.DIGITAL ZOOM - key

Hexadecimal	02h	44h	5Ah	44h	03h
Character		D	Z	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	5Ah	44h	03h
Character		D	Z	D	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.21.Picture Mode

Hexadecimal	02h	56h	50h	4Dh	3Ah	*1	*3	*5	03h
Character		V	P	M	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	DYNAMIC			NATURAL			STANDARD			BLACKBOARD			WHITEBOARD		
Hexadecimal	44h	59h	4Eh	4Eh	57h	42h	44h	54h	44h	42h	42h	44h	57h	42h	44h
Character	D	Y	N	N	W	B	D	T	D	B	B	D	W	B	D

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	50h	4Dh	3Ah	*1	*3	*5	03h
Character		V	P	M	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.22.Contrast

Hexadecimal	02h	56h	43h	4Eh	3Ah	*1	*3	*5	03h
Character		V	C	N	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Eh	3Ah	*1	*3	*5	03h
Character		V	C	N	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.23.Brightness

Hexadecimal	02h	56h	42h	52h	3Ah	*1	*3	*5	03h
Character		V	B	R	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	42h	52h	3Ah	*1	*3	*5	03h
Character		V	B	R	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.24.Color

Hexadecimal	02h	56h	43h	4Fh	3Ah	*1	*3	*5	03h
Character		V	C	O	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Fh	3Ah	*1	*3	*5	03h
Character		V	C	O	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is only acceptable when the input is VIDEO/S-VIDEO or COMPUTER1/COMPUTER2 and the input signal is YPbPr. In other cases, ER401 is returned.

2.25.Tint

Hexadecimal	02h	56h	54h	4Eh	3Ah	*1	*3	*5	03h
Character		V	T	N	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	4Eh	3Ah	*1	*3	*5	03h
Character		V	T	N	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is only acceptable when the input is VIDEO/S-VIDEO or COMPUTER1/COMPUTER2 and the input signal is YPbPr. In other cases, ER401 is returned.

2.26.Sharpness

Hexadecimal	02h	56h	53h	52h	3Ah	*1	*3	*5	03h
Character		V	S	R	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	13			14			15		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	52h	3Ah	*1	*3	*5	03h
Character		V	S	R	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.27.Color Temperature

Hexadecimal	02h	4Fh	54h	45h	3Ah	*1	03h
Character		O	T	E	:	*2	

■Parameters (*1,*2)

	LOW	STANDARD	HIGH
Hexadecimal	30h	31h	32h
Character	0	1	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	45h	3Ah	*1	03h
Character		O	T	E	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.28.White Balance - R

Hexadecimal	02h	56h	57h	52h	3Ah	*1	*3	*5	03h
Character		V	W	R	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	57h	52h	3Ah	*1	*3	*5	03h
Character		V	W	R	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is acceptable only when the input is COMPUTER1 or COMPUTER2. In other cases, ER401 is returned.

2.29.White Balance - G

Hexadecimal	02h	56h	57h	47h	3Ah	*1	*3	*5	03h
Character		V	W	G	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	57h	47h	3Ah	*1	*3	*5	03h
Character		V	W	G	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is acceptable only when the input is COMPUTER1 or COMPUTER2. In other cases, ER401 is returned.

2.30.White Balance - B

Hexadecimal		02h	56h	57h	42h	3Ah	*1	*3	*5	03h
Character			V	W	B	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	57h	42h	3Ah	*1	*3	*5	03h
Character		V	W	B	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is acceptable only when the input is COMPUTER1 or COMPUTER2. In other cases, ER401 is returned.

2.31.Daylight View

Hexadecimal		02h	56h	58h	58h	3Ah	44h	4Ch	56h	49h
Character			V	X	X	:	D	L	V	I
Hexadecimal		30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character		0	=	+	*2	*4	*6	*8	*10	

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

FRONT Installation

	OFF					AUTO					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	32h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	2	0	0	1	0	0	0	0	2

REAR Installation

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	44h	4Ch	56h	49h
Character		V	X	X	:	D	L	V	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.32.TV-System

Hexadecimal	02h	56h	53h	47h	3Ah	*1	*3	*5	03h
Character		V	S	G	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	AUTO			NTSC			NTSC4.43			PAL		
Hexadecimal	41h	55h	54h	4Eh	54h	53h	4Eh	34h	34h	50h	41h	4Ch
Character	A	U	T	N	T	S	N	4	4	P	A	L
	PAL-M			PAL-N			SECAM					
Hexadecimal	50h	41h	4Dh	50h	41h	4Eh	53h	45h	43h			
Character	P	A	M	P	A	N	S	E	C			

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	47h	3Ah	*1	*3	*5	03h
Character		V	S	G	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	○	×	×

■Note : This command is acceptable only when the input is VIDEO or S-VIDEO. In other cases, ER401 is returned.

2.33.Noise Reduction

Hexadecimal	02h	56h	4Eh	52h	3Ah	*1	03h
Character		V	N	R	:	*2	

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Eh	52h	3Ah	*1	03h
Character		V	N	R	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is acceptable only when the input is VIDEO or S-VIDEO. In other cases, ER401 is returned.

2.34.Keystone

Hexadecimal	02h	4Fh	4Bh	53h	3Ah	*1	*3	*5	03h
Character		O	K	S	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Bh	53h	3Ah	*1	*3	*5	03h
Character		O	K	S	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	×	×

2.35.Realtime Keystone

Hexadecimal	02h	4Fh	41h	4Bh	3Ah	*1	03h
Character		O	A	K	:	*2	

■Parameters (*1,*2)

	ON	OFF
Hexadecimal	31h	30h
Character	1	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	4Bh	3Ah	*1	03h
Character		O	A	K	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	×	×

2.36.Horizontal Position

Hexadecimal	02h	56h	48h	50h	3Ah	*1	*3	*5	*7	03h
Character		V	H	P	:	*2	*4	*6	*8	

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	−127				−126			
Hexadecimal	2Dh	33h	32h	37h	2Dh	33h	32h	36h
Character	−	1	2	7	−	1	2	6
	126				127			
Hexadecimal	30h	33h	32h	36h	30h	33h	32h	37h
Character	0	1	2	6	0	1	2	7

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	50h	3Ah	*1	*3	*5	*7	03h
Character		V	H	P	:	*2	*4	*6	*8	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.37.Vertical Position

Hexadecimal	02h	56h	56h	50h	3Ah	*1	*3	*5	03h
Character		V	V	P	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−64			−63			−62		
Hexadecimal	2Dh	36h	34h	2Dh	36h	33h	2Dh	36h	32h
Character	−	6	4	−	6	3	−	6	2
	62			63			64		
Hexadecimal	30h	36h	32h	30h	36h	33h	30h	36h	34h
Character	0	6	2	0	6	3	0	6	4

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	56h	50h	3Ah	*1	*3	*5	03h
Character		V	V	P	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

2.38.Dot Clock

Hexadecimal	02h	56h	44h	43h	3Ah	*1	*3	*5	03h
Character		V	D	C	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	44h	43h	3Ah	*1	*3	*5	03h
Character		V	D	C	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is acceptable only when the input is COMPUTER1 or COMPUTER2. In other cases, ER401 is returned.

2.39.Clock Phase

Hexadecimal	02h	56h	43h	50h	3Ah	*1	*3	*5	03h
Character		V	C	P	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−16			−15			−14		
Hexadecimal	2Dh	31h	36h	2Dh	31h	35h	2Dh	31h	34h
Character	−	1	6	−	1	5	−	1	4
	14			15			16		
Hexadecimal	30h	31h	34h	30h	31h	35h	30h	31h	36h
Character	0	1	4	0	1	5	0	1	6

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	50h	3Ah	*1	*3	*5	03h
Character		V	C	P	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is acceptable only when the input is COMPUTER1 or COMPUTER2. In other cases, ER401 is returned.

2.40.Over Scan

Hexadecimal	02h	4Dh	4Fh	56h	3Ah	*1	03h
Character		M	O	V	:	*2	

■Parameters (*1,*2)

	0	1	2	3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	4Fh	56h	3Ah	*1	03h
Character		M	O	V	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is only acceptable when the input is VIDEO/S-VIDEO or COMPUTER1/COMPUTER2 and the input signal is YPbPr. In other cases, ER401 is returned.

2.41.Aspect Ratio

Hexadecimal	02h	56h	53h	31h	3Ah	*1	03h
Character		V	S	1	:	*2	

■Parameters (*1,*2)

	AUTO	4:3	16:9	S4:3	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5

	HV-FIT	H-FIT	V-FIT
Hexadecimal	36h	39h	3Ah
Character	6	9	10

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	31h	3Ah	*1	03h
Character		V	S	1	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : Can choose AUTO, H - FIT, V - FIT, the HV - FIT by a signal. When cannot choose, ER401 is returned.

2.42.Frame Lock

Hexadecimal	02h	56h	46h	4Ch	3Ah	*1	03h
Character		V	F	L	:	*2	

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	46h	4Ch	3Ah	*1	03h
Character		V	F	L	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is only acceptable when the input is COMPUTER1 or COMPUTER2 and the input signal is RGB signal (60 Hz signals) that can lock frame. In other cases, ER401 is returned.

2.43.Input Guide

Hexadecimal	02h	4Fh	49h	44h	3Ah	*1	03h
Character		O	I	D	:	*2	

■Parameters (*1,*2)

	OFF	SIMPLE	DETAILED
Hexadecimal	30h	31h	32h
Character	0	1	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	49h	44h	3Ah	*1	03h
Character		O	I	D	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.44.OSD Design

Hexadecimal	02h	4Dh	4Fh	44h	3Ah	*1	03h
Character		M	O	D	:	*2	

■Parameters (*1,*2)

	TYPE1	TYPE2	TYPE3
Hexadecimal	30h	31h	32h
Character	0	1	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	4Fh	44h	3Ah	*1	03h
Character		M	O	D	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.45.WARNING MESSAGE

Hexadecimal	02h	56h	58h	58h	3Ah	57h	4Dh	44h	49h
Character		V	X	X	:	W	M	D	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	57h	4Dh	44h	49h
Character		V	X	X	:	W	M	D	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	○	○	×

2.46.No signal Power Off Timer

Hexadecimal	02h	4Fh	41h	46h	3Ah	*1	*3	03h
Character		O	A	F	:	*2	*4	

■Parameters (*1,*2,*3,*4)

	OFF		15		60	
Hexadecimal	30h	30h	31h	35h	36h	30h
Character	0	0	1	5	6	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	46h	3Ah	*1	*3	03h
Character		O	A	F	:	*2	*4	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.47.Direct Power On

Hexadecimal	02h	4Fh	50h	59h	3Ah	*1	03h
Character		O	P	Y	:	*2	

■Parameters (*1,*2)

	STANDBY	ON	Last Memory
Hexadecimal	30h	31h	32h
Character	0	1	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	50h	59h	3Ah	*1	03h
Character		O	P	Y	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	○	○	×

2.48.Auto Setup

Hexadecimal	02h	4Fh	53h	53h	3Ah	*1	03h
Character		O	S	S	:	*2	

■Parameters (*1,*2)

	BUTTON	AUTO
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	53h	3Ah	*1	03h
Character		O	S	S	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.49.Signal Search

Hexadecimal	02h	4Fh	53h	52h	3Ah	*1	03h
Character		O	S	R	:	*2	

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	52h	3Ah	*1	03h
Character		O	S	R	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.50.Language

Hexadecimal	02h	4Fh	4Ch	47h	3Ah	*1	*3	*5	03h
Character		O	L	G	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6,)

	English			German			French			Spanish		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h	45h	53h	50h
Character	E	N	G	D	E	U	F	R	A	E	S	P
	Italian			Japanese			Chinese			Russian		
Hexadecimal	49h	54h	4Ch	4Ah	50h	4Eh	43h	48h	49h	52h	55h	53h
Character	I	T	L	J	P	N	C	H	I	R	U	S
	Korean			Portuguese			Swedish			Norwegian		
Hexadecimal	4Bh	4Fh	52h	50h	4Fh	52h	53h	56h	45h	4Eh	4Fh	52h
Character	K	O	R	P	O	R	S	V	E	N	O	R
	Danish			Polish			Czech			Hungarian		
Hexadecimal	44h	41h	4Eh	50h	4Fh	4Ch	43h	45h	53h	4Dh	41h	47h
Character	D	A	N	P	O	L	C	E	S	M	A	G
	Thai											
Hexadecimal	54h	48h										
Character	T	H										

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Ch	47h	3Ah	*1	*3	*5	03h
Character		O	L	G	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.51.Installation

Hexadecimal	02h	4Fh	49h	4Ch	3Ah	*1	03h
Character		O	I	L	:	*2	

■Parameters (*1,*2)

	FRONT/DESK	REAR/DESK	FRONT/CEILING	REAR/CEILING
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	49h	4Ch	3Ah	*1	03h
Character		O	I	L	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	×	×

2.52.RGB/YPBPR

Hexadecimal	02h	4Fh	52h	46h	3Ah	*1	03h
Character		O	R	F	:	*2	

■Parameters (*1,*2)

	RGB	YPBPR	AUTO
Hexadecimal	30h	31h	32h
Character	0	1	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	52h	46h	3Ah	*1	03h
Character		O	R	F	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	×	×

■Note : This command is only acceptable when the input is COMPUTER1 or COMPUTER2 and the input signal can be switched to RGB and YPbPr. In other cases, ER401 is returned.

2.53.Function

Hexadecimal	02h	4Fh	46h	43h	3Ah	*1	03h
Character		O	F	C	:	*2	

■Parameters (*1,*2)

	DISABLE	PICTURE	POSITION
Hexadecimal	30h	31h	32h
Character	0	1	2
	NT NAME CHANGE	NETWORK CONTROL	NT STATUS
Hexadecimal	37h 31h	37h 34h	37h 38h
Character	71	74	78

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	46h	43h	3Ah	*1	03h
Character		O	F	C	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

■Note : Please refer to an appended chart for the details of the command.

2.54.Altitude

Hexadecimal	02h	4Fh	46h	4Dh	3Ah	*1	03h
Character		O	F	M	:	*2	

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	46h	4Dh	3Ah	*1	03h
Character		O	F	M	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.55.STANDBY Mode

Hexadecimal	02h	56h	58h	58h	3Ah	57h	4Dh	44h	49h
Character		V	X	X	:	S	T	M	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	ECO-MODE					STANDARD				
Hexadecimal	30h	30h	30h	30h	33h	30h	30h	30h	30h	30h
Character	0	0	0	0	3	0	0	0	0	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	57h	4Dh	44h	49h
Character		V	X	X	:	S	T	M	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	○

2.56.Lamp Power

Hexadecimal	02h	4Fh	4Ch	50h	3Ah	*1	03h
Character		O	L	P	:	*2	

■Parameters (*1,*2)

	ECO-MODE	STANDARD
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Ch	50h	3Ah	*1	03h
Character		O	L	P	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.57.EMULATE Mode

Hexadecimal	02h	56h	58h	58h	3Ah	45h	4Dh	55h	49h
Character		V	X	X	:	E	M	U	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	Default					L730				
Hexadecimal	30h	30h	30h	30h	31h	30h	30h	30h	30h	36h
Character	0	0	0	0	1	0	0	0	0	6
	D3500					L780				
Hexadecimal	30h	30h	30h	30h	32h	30h	30h	30h	30h	37h
Character	0	0	0	0	2	0	0	0	0	7
	D4000					L735				
Hexadecimal	30h	30h	30h	30h	33h	30h	30h	30h	30h	38h
Character	0	0	0	0	3	0	0	0	0	8
	D/W5K series					L786				
Hexadecimal	30h	30h	30h	30h	34h	30h	30h	30h	30h	39h
Character	0	0	0	0	4	0	0	0	0	9
	D/W/Z6K series					F/W series				
Hexadecimal	30h	30h	30h	30h	35h	30h	30h	30h	31h	30h
Character	0	0	0	0	5	0	0	0	1	0

2.58.Closed Caption

Hexadecimal	02h	4Fh	43h	43h	3Ah	*1	03h
Character		O	C	C	:	*2	

■Parameters (*1,*2)

	OFF	CC1	CC2	CC3	CC4
Hexadecimal	30h	31h	32h	33h	34h
Character	0	1	2	3	4

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	43h	3Ah	*1	03h
Character		O	C	C	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is acceptable only for U model. In other models, ER401 is returned.

2.59.Audio Volume

Hexadecimal	02h	41h	56h	4Ch	3Ah	*1	*3	*5	03h
Character		A	V	L	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	56h	4Ch	3Ah	*1	*3	*5	03h
Character		A	V	L	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	△	×	×	×

■Note : During STANDBY, this command is available only when "AUDIO IN STANDBY" is "ON".

2.60.Audio Balance

Hexadecimal	02h	41h	42h	4Ch	3Ah	*1	*3	*5	03h
Character		A	B	L	:	*2	*4	*6	

■Parameters (*1,*2,*3,*4,*5,*6)

	−16			−15			−14		
Hexadecimal	2Dh	31h	36h	2Dh	31h	35h	2Dh	31h	34h
Character	−	1	6	−	1	5	−	1	4
	14			15			16		
Hexadecimal	30h	31h	34h	30h	31h	35h	30h	31h	36h
Character	0	1	4	0	1	5	0	1	6

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	42h	4Ch	3Ah	*1	*3	*5	03h
Character		A	B	L	:	*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	△	×	×	×

■Note : During STANDBY, this command is available only when "AUDIO IN STANDBY" is "ON".

2.61.Audio in STANDBY Mode

Hexadecimal	02h	56h	58h	58h	3Ah	41h	53h	42h	49h
Character		V	X	X	:	A	S	B	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	41h	53h	42h	49h
Character		V	X	X	:	A	S	B	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.62.Audio Setting

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h
Character		V	X	X	:	A	I	N	I
Hexadecimal	*1	3Dh	2Dh	*3	*5	*7	*9	*11	03h
Character	*2	=	+	*4	*6	*8	*10	*12	

■Parameters (*1,*2)

	COMPUTER1	COMPUTER2
Hexadecimal	30h	31h
Character	0	1

■Parameters (*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	COMPUTER AUDIO IN					AUDIO IN				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h
Character		V	X	X	:	A	I	N	I
Hexadecimal	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	×	×

2.63.Audio MUTE Setting

Hexadecimal	02h	41h	4Dh	54h	3Ah	*1	03h
Character		A	M	T	:	*2	

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	4Dh	54h	3Ah	*1	03h
Character		A	M	T	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	△	×	×	×

■Note : During STANDBY, this command is available only when IN STANDBY MODE is ON.

2.64.SXGA Mode

Hexadecimal	02h	4Fh	53h	58h	3Ah	*1	03h
Character		O	S	X	:	*2	

■Parameters (*1,*2)

	SXGA	SXGA+
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	58h	3Ah	*1	03h
Character		O	S	X	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is only acceptable when the input is COMPUTER1 or COMPUTER2 and the input signal is SXGA or SXGA+. In other cases, ER401 is returned.

2.65.Wide Mode

Hexadecimal	02h	4Fh	58h	47h	3Ah	*1	03h
Character		O	X	G	:	*2	

■Parameters (*1,*2)

	OFF	ON	AUTO
Hexadecimal	30h	31h	32h
Character	0	1	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	58h	47h	3Ah	*1	03h
Character		O	X	G	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	×	×	×	×

■Note : This command is only acceptable when the input is COMPUTER1 or COMPUTER2 and the input signal is XGA. In other cases, ER401 is returned.

2.66.Back Color

Hexadecimal	02h	4Fh	42h	43h	3Ah	*1	03h
Character		O	B	C	:	*2	

■Parameters (*1,*2)

	BLUE	BLACK
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	42h	43h	3Ah	*1	03h
Character		O	B	C	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	×	×

2.67.Startup Logo

Hexadecimal	02h	4Dh	4Ch	4Fh	3Ah	*1	03h
Character		M	L	O	:	*2	

■Parameters (*1,*2)

	OFF	ON	TEXT	USER
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	4Ch	4Fh	3Ah	*1	03h
Character		M	L	O	:	*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.68.Set Date

Hexadecimal	02h	54h	53h	44h	3Ah					
Character		T	S	D	:					
Hexadecimal	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*d2	*w	03h
Character										

■Parameters

*y1～*y4 : Year (4 digits)
*m1～*m2 : Month (2 digits)
*d1～*d2 : Day (2 digits)
*w : Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)
Set it by UTC (Coordinated Universal Time).
Example : Tuesday, April 1, 2008

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*d2	*w
Hexadecimal	32h	30h	30h	38h	30h	34h	30h	31h	32h
Character	2	0	0	8	0	4	0	1	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	54h	53h	44h	3Ah	*y1	*y2	
Character		T	S	D	:			
Hexadecimal	*y3	*y4	*m1	*m2	*d1	*d2	*w	03h
Character								

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.69.Set Time

Hexadecimal	02h	54h	53h	54h	3Ah		
Character		T	S	T	:		
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character							

■Parameters

*h1～*h2 : Hour (2 digits)
*m1～*m2 : Minute (2 digits)
*s1～*s2 : Second (2 digits)
Set it by UTC (Coordinated Universal Time).
Example : 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	54h	53h	54h	3Ah		
Character		T	S	T	:		
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character							

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
×	○	○	○	×

2.70.Query Power

Hexadecimal	02h	51h	50h	57h	03h
Character		Q	P	W	

■Response (Callback)

OFF

Hexadecimal	02h	30h	30h	31h	03h
Character		0	0	0	

ON

Hexadecimal	02h	30h	30h	31h	03h
Character		0	0	1	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	○

2.71.Query Lamp Status

Hexadecimal	02h	51h	24h	53h	03h
Character		Q	$	S	

■Response (Callback)

Lamp OFF

Hexadecimal	02h	30h	03h
Character		0	

In turning ON

Hexadecimal	02h	31h	03h
Character		1	

Lamp ON

Hexadecimal	02h	32h	03h
Character		2	

In turning OFF

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

2.72.Query Input Select

Hexadecimal	02h	51h	49h	4Eh	03h
Character		Q	I	N	

■Response (Callback)

COMPUTER1

Hexadecimal	02h	52h	47h	31h	03h
Character		R	G	1	

COMPUTER2

Hexadecimal	02h	52h	47h	32h	03h
Character		R	G	2	

VIDEO

Hexadecimal	02h	56h	49h	44h	03h
Character		V	I	D	

S-VIDEO

Hexadecimal	02h	53h	56h	44h	03h
Character		S	V	D	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

2.73.Query FREEZE

Hexadecimal	02h	51h	46h	5Ah	03h
Character		Q	F	Z	

■Response (Callback)

OFF

Hexadecimal	02h	30h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

2.74.Query Auto Setup Status

Hexadecimal	02h	51h	41h	53h	03h
Character		Q	A	S	

■Response (Callback)

OFF

Hexadecimal	02h	30h	03h
Character		0	

In execution

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

2.75.Query Index-Window

Hexadecimal	02h	51h	49h	58h	03h
Character		Q	I	X	

■Response (Callback)

OFF

Hexadecimal	02h	30h	03h
Character		0	

50%

Hexadecimal	02h	31h	03h
Character		1	

75%

Hexadecimal	02h	32h	03h
Character		2	

100%

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

2.76.Query Audio Volume Level

Hexadecimal	02h	51h	41h	56h	03h
Character		Q	A	V	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	△	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■Note : During STANDBY, this command is available only when "AUDIO IN STANDBY" is "ON".

2.77.Query Audio Balance

Hexadecimal	02h	51h	42h	4Ch	03h
Character		Q	B	L	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	△	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−16			−15			−14		
Hexadecimal	2Dh	31h	36h	2Dh	31h	35h	2Dh	31h	34h
Character	−	1	6	−	1	5	−	1	4
	14			15			16		
Hexadecimal	30h	36h	31h	30h	31h	35h	30h	31h	36h
Character	0	1	4	0	1	5	0	1	6

■Note : During STANDBY, this command is available only when "AUDIO IN STANDBY" is "ON".

2.78.Query Picture Mode

Hexadecimal	02h	51h	50h	4Dh	03h
Character		Q	P	M	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	DYNAMIC			NATURAL			STANDARD			BLACKBOARD			WHITEBOARD		
Hexadecimal	44h	59h	4Eh	4Eh	41h	54h	53h	54h	44h	42h	42h	44h	42h	42h	44h
Character	D	Y	N	N	A	T	S	T	D	B	B	D	W	B	D

2.79.Query Color

Hexadecimal	02h	51h	56h	43h	03h
Character		Q	V	C	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.80.Query Tint

Hexadecimal	02h	51h	56h	54h	03h
Character		Q	V	T	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.81.Query Brightness

Hexadecimal	02h	51h	56h	42h	03h
Character		Q	V	B	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.82.Query Contrast

Hexadecimal	02h	51h	56h	52h	03h
Character		Q	V	R	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30	
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.83.Query Color Temperature

Hexadecimal	02h	51h	54h	45h	03h
Character		Q	T	E	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	LOW	STANDARD	HIGH
Hexadecimal	30h	31h	32h
Character	0	1	2

2.84.Query Sharpness

Hexadecimal	02h	51h	56h	53h	03h
Character		Q	V	S	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−08			−07			−06		
Hexadecimal	2Dh	30h	38h	2Dh	30h	37h	2Dh	30h	36h
Character	−	0	8	−	0	7	−	0	6
	13			14			015		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

2.85.Query White Balance - R

Hexadecimal	02h	51h	57h	52h	03h
Character		Q	W	R	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.86.Query White Balance - G

Hexadecimal	02h	51h	57h	47h	03h
Character		Q	W	G	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30	
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.87.Query White Balance - B

Hexadecimal	02h	51h	57h	42h	03h
Character		Q	W	B	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30	
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.88.Query Daylight View

Hexadecimal	02h	51h	56h	58h	3Ah	44h	4Ch	56h	49h	30h
Character		Q	V	X	:	D	L	V	I	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	4Ch	56h	49h	30h	3Dh	2Dh
Character		D	L	V	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

FRONT Installation

	OFF				
Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0
	AUTO				
Hexadecimal	30h	30h	30h	30h	31h
Character	0	0	0	0	1
	ON				
Hexadecimal	30h	30h	30h	30h	32h
Character	0	0	0	0	2

REAR Installation

	OFF				
Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0
	ON				
Hexadecimal	30h	30h	30h	30h	31h
Character	0	0	0	0	1

2.89.Query TV-System

Hexadecimal	02h	51h	53h	47h	03h
Character		Q	S	G	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	AUTO			NTSC			NTSC4.43			PAL		
Hexadecimal	41h	55h	54h	4Eh	54h	53h	4Eh	34h	34h	50h	41h	4Ch
Character	A	U	T	N	T	S	N	4	4	P	A	L
	PAL-M			PAL-N			SECAM					
Hexadecimal	50h	41h	4Dh	50h	41h	4Eh	53h	45h	43h			
Character	P	A	M	P	A	N	S	E	C			

■Note : This command is acceptable only when the input is VIDEO or S-VIDEO. In other cases, ER401 is returned.

2.90.Query Realtime Keystone

Hexadecimal	02h	51h	41h	4Bh	03h
Character		Q	A	K	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

2.91.Query Keystone

Hexadecimal	02h	51h	4Bh	53h	03h
Character		Q	K	S	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30		
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

2.92.Query Horizontal Position

Hexadecimal	02h	51h	48h	50h	03h
Character		Q	H	P	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−127				−126				−125			
Hexadecimal	2Dh	31h	32h	37h	2Dh	31h	32h	36h	2Dh	31h	32h	35h
Character	−	1	2	7	−	1	2	6	−	1	2	5
	125				126				127			
Hexadecimal	31h	32h	35h		31h	32h	36h		31h	32h	37h	
Character	1	2	5		1	2	6		1	2	7	

2.93.Query Vertical Position

Hexadecimal	02h	51h	56h	50h	03h
Character		Q	V	P	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−64			−63			−62		
Hexadecimal	2Dh	36h	34h	2Dh	36h	33h	2Dh	36h	32h
Character	−	6	4	−	6	3	−	6	2
	62			63			64		
Hexadecimal	36h	32h	36h	33h	36h	34h			
Character	6	2	6	3	6	4			

2.94.Query Clock Phase

Hexadecimal	02h	51h	43h	50h	03h
Character		Q	C	P	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−16			−15			−14		
Hexadecimal	2Dh	31h	36h	2Dh	31h	36h	2Dh	31h	36h
Character	−	1	6	−	1	6	−	1	4
	14			15			16		
Hexadecimal	30h	31h	34h	30h	31h	35h	30h	31h	36h
Character	0	1	4	0	1	5	0	1	6

■Note : This command is acceptable only when the input is COMPUTER1 or COMPUTER2. In other cases, ER401 is returned.

2.95.Query Dot Clock

Hexadecimal	02h	51h	44h	43h	03h
Character		Q	D	C	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	−32			−31			−30	
Hexadecimal	2Dh	33h	32h	2Dh	33h	31h	2Dh	33h	30h
Character	−	3	2	−	3	1	−	3	0
	30			31			32		
Hexadecimal	30h	33h	30h	30h	33h	31h	30h	33h	32h
Character	0	3	0	0	3	1	0	3	2

■Note : This command is acceptable only when the input is COMPUTER1 or COMPUTER2. In other cases, ER401 is returned.

2.96.Query OVER SCAN

Hexadecimal	02h	51h	4Fh	56h	03h
Character		Q	O	V	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	0%	3%	5%	7%
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

2.97.Query Frame Lock

Hexadecimal	02h	51h	46h	4Ch	03h
Character		Q	F	L	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

2.98.Query Input Guide

Hexadecimal	02h	51h	44h	49h	03h
Character		Q	D	I	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2)

	OFF	SIMPLE	DETAILED
Hexadecimal	30h	31h	32h
Character	0	1	2

2.99.Query OSD Design

Hexadecimal	02h	51h	4Fh	44h	03h
Character		Q	O	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2)

	TYPE1	TYPE2	TYPE3
Hexadecimal	30h	31h	32h
Character	0	1	2

2.100.Query WARNING MESSAGE

Hexadecimal	02h	51h	56h	58h	3Ah	57h	4Dh	44h	49h	30h
Character		Q	V	X	:	W	M	D	I	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	57h	4Dh	44h	49h	30h	3Dh	2Dh
Character		W	M	D	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF				
Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0
	ON				
Hexadecimal	30h	30h	30h	30h	31h
Character	0	0	0	0	1

2.101.Query ASPECT Ratio

Hexadecimal	02h	51h	53h	31h	03h
Character		Q	S	1	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	AUTO	4:3	16:9	S4:3	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV-FIT	H-FIT	V-FIT		
Hexadecimal	36h	39h	31h 30h		
Character	6	9	10		

2.102.Query AV Mute

Hexadecimal	02h	51h	53h	48h	03h
Character		Q	S	H	

■Response (Callback)

OFF

Hexadecimal	02h	30h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

2.103.Query Auto Setup

Hexadecimal	02h	51h	53h	53h	03h
Character		Q	S	S	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

■Parameters (*1,*2)

	BUTTON	AUTO
Hexadecimal	30h	31h
Character	0	1

2.104.Query Signal Search

Hexadecimal	02h	51h	53h	52h	03h
Character		Q	S	R	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

2.105.Query RGB/YPBPR

Hexadecimal	02h	51h	52h	46h	03h
Character		Q	R	F	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

■Parameters (*1,*2)

	RGB	YPBPR	AUTO
Hexadecimal	30h	31h	32h
Character	0	1	2

2.106.Query Lamp Power

Hexadecimal	02h	51h	4Ch	50h	03h
Character		Q	L	P	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

■Parameters (*1,*2)

	ECO-MODE	STANDARD
Hexadecimal	30h	31h
Character	0	1

2.107.Query Display Language

Hexadecimal	02h	51h	4Ch	47h	03h
Character		Q	L	G	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Italian			Japanese		
Hexadecimal	45h	53h	50h	49h	54h	4Ch	4Ah	50h	4Eh
Character	E	S	P	I	T	L	J	P	N
	Chinese			Russian			Korean		
Hexadecimal	43h	48h	49h	52h	55h	53h	4Bh	4Fh	52h
Character	C	H	I	R	U	S	K	O	R
	Portuguese			Swedish			Norwegian		
Hexadecimal	50h	4Fh	52h	53h	56h	45h	4Eh	4Fh	52h
Character	P	O	R	S	V	E	N	O	R
	Danish			Polish			Czech		
Hexadecimal	44h	41h	4Eh	50h	4Fh	4Ch	43h	45h	53h
Character	D	A	N	P	O	L	C	E	S
	Hungarian			Thai					
Hexadecimal	4Dh	41h	47h	54h	48h	41h			
Character	M	A	G	T	H	A			

2.108.Query SXGA Mode

Hexadecimal	02h	51h	53h	58h	03h
Character		Q	S	X	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	SXGA	SXGA+
Hexadecimal	30h	31h
Character	0	1

2.109.Query Wide Mode

Hexadecimal	02h	51h	58h	47h	03h
Character		Q	X	G	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	OFF	ON	AUTO
Hexadecimal	30h	31h	32h
Character	0	1	2

2.110.Query Noise Reduction

Hexadecimal	02h	51h	4Eh	52h	03h
Character		Q	N	R	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■Note : This command is acceptable only when the input is VIDEO or S-VIDEO. In other cases, ER401 is returned.

2.111.Query Back Color

Hexadecimal	02h	51h	42h	43h	03h
Character		Q	B	C	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

■Parameters (*1,*2)

	BLUE	BLACK
Hexadecimal	30h	31h
Character	0	1

2.112.Query Installation

Hexadecimal	02h	51h	53h	50h	03h
Character		Q	S	P	

■Response (Callback)

FRONT / DESK

Hexadecimal	02h	30h	03h
Character		0	

REAR / DESK

Hexadecimal	02h	31h	03h
Character		1	

FRONT / CEILING

Hexadecimal	02h	32h	03h
Character		2	

REAR / CEILING

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

2.113.Query Altitude

Hexadecimal	02h	51h	46h	4Dh	03h
Character		Q	F	M	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

2.114.Query STANDBY Mode

Hexadecimal	02h	51h	56h	58h	3Ah	57h	4Dh	44h	49h	30h
Character		Q	V	X	:	S	T	M	I	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	57h	4Dh	44h	49h	30h	3Dh	2Dh
Character		S	T	M	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	○

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	NORMAL STANDBY					ECO STANDBY				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	33h
Character	0	0	0	0	0	0	0	0	0	3

2.115.Query Startup Logo

Hexadecimal	02h	51h	4Ch	4Fh	03h
Character		Q	L	O	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2)

	OFF	ON	TXST	USER
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

2.116.Query Lamp Runtime

Hexadecimal	02h	51h	24h	4Ch	03h
Character		Q	$	L	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6)

	0 h				1 h			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	9998 h				9999 h			
Hexadecimal	39h	39h	39h	38h	39h	39h	39h	39h
Character	9	9	9	8	9	9	9	9

■Note : If the lamp runtime cannot be accessed, 0000 is returned.

2.117.Query RUNTIME - PROJECTOR

Hexadecimal	02h	51h	56h	58h	3Ah	52h	54h	4Dh	49h	30h
Character		Q	V	X	:	R	T	M	I	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	52h	54h	4Dh	49h	30h	3Dh	2Dh
Character		R	T	M	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

Example: 55 hours

Hexadecimal	30h	30h	30h	35h	35h
Character	0	0	0	5	5

2.118.Query Lamp Status

Hexadecimal	02h	51h	24h	53h	03h
Character		Q	$	S	

■Response (Callback)

Lamp OFF

Hexadecimal	02h	30h	03h
Character		0	

In turning ON

Hexadecimal	02h	31h	03h
Character		1	

Lamp ON

Hexadecimal	02h	32h	03h
Character		2	

In turning OFF

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

2.119.Query FUNCTION BUTTON

Hexadecimal	02h	51h	46h	43h	03h
Character		Q	F	C	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2)

	DISABLE	PICTURE	POSITION
Hexadecimal	30h	31h	32h
Character	0	1	2
	NT NAME CHANGE	NETWORK CONTROL	NT STATUS
Hexadecimal	37h 31h	37h 34h	37h 38h
Character	71	74	78

■Note : Please refer to an appended chart for the details of the command.

2.120.Query EMULATE

Hexadecimal	02h	51h	56h	58h	3Ah	45h	4Dh	55h	49h	30h
Character		Q	V	X	:	E	M	U	I	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	45h	4Dh	55h	49h	30h	3Dh	2Dh
Character		E	M	U	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	DEFAULT					L730				
Hexadecimal	30h	30h	30h	30h	31h	30h	30h	30h	30h	36h
Character	0	0	0	0	1	0	0	0	0	6
	D3500					L780				
Hexadecimal	30h	30h	30h	30h	32h	30h	30h	30h	30h	37h
Character	0	0	0	0	2	0	0	0	0	7
	D4000					L735				
Hexadecimal	30h	30h	30h	30h	33h	30h	30h	30h	30h	38h
Character	0	0	0	0	3	0	0	0	0	8
	D/W5K series					L785				
Hexadecimal	30h	30h	30h	30h	34h	30h	30h	30h	30h	39h
Character	0	0	0	0	4	0	0	0	0	9
	D/W/Z6K series					F/W series				
Hexadecimal	30h	30h	30h	30h	35h	30h	30h	30h	31h	30h
Character	0	0	0	0	5	0	0	0	1	0

2.121.Query Audio IN STANDBY Mode

Hexadecimal	02h	51h	56h	58h	3Ah	41h	53h	42h	49h	30h
Character		Q	V	X	:	A	S	B	I	0

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	53h	42h	49h	30h	3Dh	2Dh
Character		A	S	B	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

2.122.Query Audio Setting

Hexadecimal	02h	51h	56h	58h	3Ah	41h	53h	42h	49h	*1	30h
Character		Q	V	X	:	A	I	N	I	*2	0

■Parameters (*1,*2)

	COMPUTER1 IN	COMPUTER2 IN
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	53h	42h	49h	30h	3Dh	2Dh
Character		A	I	N	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	COMPUTER AUDIO IN					AUDIO IN				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

2.123.Query Date & Time

Hexadecimal	02h	51h	43h	54h	03h
Character		Q	C	T	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*Y1	*Y2	*Y3	*Y4	*M1	*M2	*D1	*D2
Character									
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	*t1	*t2	03h
Character									

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters

*Y1 - *Y4 : Year (4 digits)
*M1, *M2 : Month (2 digits)
*D1, *D2 : Day (2 digits)
*h1, *h2 : Hour (2 digits)
*m1, *m2 : Minute (2 digits)
*s1, *s2 : Second (2 digits)
*t1, *t2 : Time zone (2 digits)

Example: 0 second at 0:00 p.m. (+00:00), April 1, 2008

		*Y1	*Y2	*Y3	*Y4	*M1	*M2	*D1	*D2
Hexadecimal	02h	32h	30h	30h	38h	30h	34h	30ah	31h
Character		2	0	0	8	0	4	0	1
	*h1	*h2	*m1	*m2	*s1	*s2	*t1	*t2	
Hexadecimal	31h	32h	30h	30h	30h	30h	30h	64h	03h
Character	1	2	0	0	0	0	0	d	

2.124.Query Date

Hexadecimal	02h	51h	47h	44h	03h
Character		Q	G	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*d2	*w	03h
Character											

■Parameters (*1,*2,*3,*4,*5,*6)

*y1 - *y4: Year (4 digits)
*m1, *m2: Month (2 digits)
*d1, *d2: Day (2 digits)
*w: Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)
Set it by UTC (Coordinated Universal Time).
Example: Tuesday, April 1, 2008

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*d2	*w
Hexadecimal	32h	30h	30h	38h	30h	34h	30h	31h	31h
Character	2	0	0	8	0	4	0	1	2

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

2.125.Query Time

Hexadecimal	02h	51h	47h	54h	03h
Character		Q	G	T	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character								

■Parameters

*h1, *h2: Hour (2 digits)
*m1, *m2: Minute (2 digits)
*s1, *s2: Second (2 digits)
Set it by UTC (Coordinated Universal Time).
Example: 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

2.126.Query MAC Address

Hexadecimal	02h	51h	4Dh	41h	03h
Character		Q	M	A	

■Response (Callback) Example: AB0102030405

Hexadecimal	02h	41h	42h	30h	31h	30h	32h	30h	33h	30h	34h	30h	35h	03h
Character		A	B	0	1	0	2	0	3	0	4	0	5	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	○	○	×

2.127.Query Temperature Information

Hexadecimal	02h	51h	4Dh	41h	3Ah	*1	03h
Character		Q	T	M	:	*2	

■Parameters (*1,*2)

	Intake air	Exhaust air
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

Example: 20°C (68°F)

Hexadecimal	02h	30h	30h	32h	30h	2Fh	30h	30h	36h	38h	03h
Character		0	0	2	0	/	0	0	6	8	

Example: -10°C (14°F)

Hexadecimal	02h	2Dh	30h	31h	30h	2Fh	30h	30h	31h	34h	03h
Character		-	0	1	0	/	0	0	1	4	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

2.128.Query CPU software VERSION

Hexadecimal	02h	51h	56h	58h	3Ah	41h	53h	42h	49h	*1	03h
Character		Q	V	X	:	S	V	R	S	*2	

■Parameters (*1,*2)

	Main CPU	Sub CPU
Hexadecimal	30h	32h
Character	0	2

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	53h	42h	49h	30h	3Dh	2Dh
Character		A	I	N	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	○

2.129.Query Control Panel

Hexadecimal	02h	51h	50h	4Bh	03h
Character		Q	P	K	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2)

	VALID	INVALID
Hexadecimal	30h	31h
Character	0	1

2.130.Query Power Off Timer

Hexadecimal	02h	51h	41h	46h	03h
Character		Q	A	F	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2,*3,*4)

	OFF		15		60	
Hexadecimal	30h	30h	31h	35h	36h	30h
Character	0	0	1	5	6	0

2.131.Query Direct Power On

Hexadecimal	02h	51h	50h	59h	03h
Character		Q	P	Y	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	×

■Parameters (*1,*2)

	STANDBY	ON	Last memory
Hexadecimal	30h	31h	32h
Character	0	1	2

2.132.Query Closed Caption

Hexadecimal	02h	51h	43h	43h	03h
Character		Q	C	C	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	×	×	○	×

■Parameters (*1,*2)

	OFF	CC1	CC2	CC3	CC4
Hexadecimal	30h	31h	32h	33h	34h
Character	0	1	2	3	4

2.133.Query Serial Number

Hexadecimal	02h	51h	53h	4Eh	03h
Character		Q	S	N	

■Response (Callback)

Example: SB12345678

Hexadecimal	02h	41h	42h	31h	32h	33h	34h	35h	36h	37h	38h	03h
Character		S	B	1	2	3	4	5	6	7	8	

Acceptability

SECURITY	NORMAL STANDBY	NO SIGNAL	AV MUTE	ECO STANDBY
○	○	○	○	○

3. Appended List

3.1.OFC/QFC Command Parameter List

Command	Parameters	Remarks
OFC QFC	00 = DISABLE	
	01 = PICTURE	
	02 = POSITION	
	03 = LANGUAGE	
	04 = DISPLAY OPTION	
	05 = PROJECTOR SETUP	
	06 = SECURITY	
	07 = NETWORK	
	08 = ON-SCREEN DISPLAY	
	09 = CLOSED CAPTION SETTING	U model only
	10 = SCREEN SETTING	Unsupported
	11 = OTHER FUCTIONS	
	12 = AUDIO SETTING	
	13 = PICTURE MODE	
	14 = CONTRAST	
	15 = BRIGHTNESS	
	16 = COLOR	
	17 = TINT	
	18 = SHARPNESS	
	19 = COLOR TEMPERATURE	
	20 = DAYLIGHT VIEW	
	21 = STILL MODE	Unsupported
	22 = NOISE REDUCTION	
	23 = TV-SYSTEM	
	24 = RGB/YPBPR	
	25 = WHITE BALANCE RED	
	26 = WHITE BALANCE GREEN	
	27 = WHITE BALANCE BLUE	
	28 = REALTIME KEYSTONE	
	29 = KEYSTONE	
	30 = SHIFT	
	31 = DOT CLOCK	
	32 = CLOCK PHASE	
	33 = OVER SCAN	
	34 = ASPECT	
	35 = FRAME LOCK	
	36 = INPUT GUIDE	ON-SCREEN DISPLAY
	37 = OSD DESIGN	ON-SCREEN DISPLAY
	38 = WARNING MESSAGE	ON-SCREEN DISPLAY
	39 = CLOSED CAPTION	CLOSED CAPTION SETTING
	40 = MODE	CLOSED CAPTION SETTING
	41 = SCREEN FORMAT	Unsupported
	42 = SCREEN POSITION	Unsupported
	43 = STARTUP LOGO	
	44 = AUTO SETUP	
	45 = SIGNAL SEARCH	
	46 = BACK COLOR	

	47 = WIDE MODE	
	48 = SXGA MODE	
	49 = AUTO SETUP	OTHER FUNCTIONS
	50 = FREEZE	OTHER FUNCTIONS
	51 = AV MUTE	OTHER FUNCTIONS
	52 = INDEX-WINDOW	OTHER FUNCTIONS
	53 = DIGITAL ZOOM	OTHER FUNCTIONS
	54 = STATUS	
	55 = NO SIGNAL SHUT-OFF	
	56 = INITIAL START UP	
	57 = INSTALLATION	
	58 = HIGH ALTITUDE MODE	
	59 = STANDBY MODE	
	60 = LAMP POWER	
	61 = EMULATE	
	62 = VOLUME	AUDIO SETTING
	63 = BALANCE	AUDIO SETTING
	64 = IN STANDBY MODE	AUDIO SETTING
	65 = POWER BUTTON BEEP	Unsupported
	66 = COMPUTER1	AUDIO SETTING
	67 = COMPUTER2	AUDIO SETTING
	68 = TEST PATTERN	
	69 = WIRED LAN	
	70 = WIRELESS LAN	Unsupported
	71 = NT NAME CHANGE	
	72 = NT PASSOWRD	Unsupported
	73 = NT PASSWORD CHANGE	Unsupported
	74 = NETWORK CONTROL	
	75 = LIVE MODE CUT IN	Unsupported
	76 = COMPUTER SEARCH	Unsupported
	77 = MULTI LIVE	Unsupported
	78 = NT STATUS	