

# Control Commands

Model No. **PT-LZ370U / LZ370E / LZ370EA**

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# 1. BASIC FORMAT

Transmission from the computer begins with STX, and then the command, parameter and ETX are set in order. Add parameters according to the details of control.

Basic control command (without parameter)

Start (STX)	ID	Separator (semicolon)	Command	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte

Basic control command (with parameter)

Start (STX)	ID	Separator (semicolon)	Command	Separator (Colon)	Parameters Undefined	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte	length	1 byte

ID for the basic commands

Respond only when the transmitted ID is matched to this projector's ID.

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 the command cannot be accepted

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

In case of the parameter error or REMOTE2 effective

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

Attention:

- No command may be sent or received for 10 to 60 seconds after the lamp starts lighting. They sending お願い any command after that period has elapsed.
- 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

Note:

- This projector will respond to the computer only in the following case:  
When the ID that sent accorded with the ID of the projector.

## 2. BASIC CONTROL COMMAND

- < Explanatory notes >    ○ : Enable  
                                   × : Disable  
                                   △ : Refer to the note

### 2.1. Power ON (LAMP ON)

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	STANDBY	NO SIGNAL	AV MUTE
○	○	○	○

■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 (STNDBY)

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	STANDBY	NO SIGNAL	AV MUTE
○	○	○	○

■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. 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	STANDBY	NO SIGNAL	AV MUTE
×	△	×	×

■Note:

- "IN STANDBY MODE" is "ON" only when, STANDBY when available.

### 2.4. 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	STANDBY	NO SIGNAL	AV MUTE
×	△	×	×

■Note:

- "IN STANDBY MODE" is "ON" only when, STANDBY when available.

## 2.5. INPUT SELECT

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

### Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

	COMPUTER			COMPONENT		
Hexadecimal Character	52h	47h	31h	59h	55h	56h
	R	G	I	Y	U	V
	VIDEO			S-VIDEO		
Hexadecimal Character	56h	49h	44h	53h	56h	44h
	V	I	D	S	V	D
	HDMI1			HDMI2		
Hexadecimal Character	48h	44h	31h	48h	44h	32h
	H	D	I	H	D	2

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	○

### Note:

- "IN STANDBY MODE" is "ON" only when, STANDBY when available.

## 2.6. FREEZE

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

### Parameters(\*1,\*2)

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

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.7. MENU Key

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

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

## 2.8. RETURN Key

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

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×



### 2.9. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

### 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	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

### 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	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

### 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	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

### 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	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

### 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	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

## 2.15. AUTO SETUP

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	STANDBY	NO SIGNAL	AV MUTE
×	×	△	×

### ■Note:

- "SIGNAL SEARCH" is "ON" only when, NO SIGNAL when available.

## 2.16. AV MUTE

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

### ■Parameters(\*1,\*2)

	AV MUTE ON	AV MUTE OFF
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	STANDBY	NO SIGNAL	AV MUTE
×	×	○	○

## 2.17. FUNCTION 1

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	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

## 2.18. FUNCTION 2

Hexadecimal	02h	46h	43h	32h	03h
Character		F	C	2	

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

## 2.19. FUNCTION 3

Hexadecimal	02h	46h	43h	33h	03h
Character		F	C	3	

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

### 2.20. PAGE UP Key

Hexadecimal	02h	4Fh	55h	50h	03h
Character		O	U	P	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	55h	50h	03h
Character		O	U	P	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.21. PAGE DOWN Key

Hexadecimal	02h	4Fh	44h	50h	03h
Character		O	D	P	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	44h	50h	03h
Character		O	D	P	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.22. KEYSTONE selected item display

Hexadecimal	02h	75h	83h	84h	03h
Character		K	S	T	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	75h	83h	84h	03h
Character		K	S	T	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

### 2.23. ECO Key

Hexadecimal	02h	4Fh	45h	43h	03h
Character		O	E	C	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	43h	03h
Character		O	E	C	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

### 2.24. Numeric Key

Hexadecimal	02h	4Fh	45h	43h	3Ah	*1	03h
Character		O	N	K	:	*2	

■Parameters(\*1,\*2)

	1	2	3	4	5	6
Hexadecimal	31h	32h	33h	34h	35h	36h
Character	1	2	3	4	5	6

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	43h	3Ah	*1	03h
Character		O	E	C	:	*2	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

## 2.25. PICTURE MODE

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

### ■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

	DYNAMIC			NATURAL			STANDARD			DICOM SIM		
Hexadecimal Character	44h	59h	4Eh	4Eh	41h	54h	53h	54h	44h	44h	49h	43h
	D	Y	N	N	A	T	S	T	D	D	I	C
	CINEMA			BLACK BOARD			WHITE BOARD					
Hexadecimal Character	43h	49h	42h	42h	42h	44h	42h	44h	44h			
	C	I	B	B	B	D	B	D	D			

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### ■Note:

- NAT : Still image , CIN : Moving image

## 2.26. CONTRAST

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

### ■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.27. BRIGHTNESS

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

### ■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.28. COLOR

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

### Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### Note:

- This command is acceptable only when moving image is displayed. In other cases, ER401 is returned.

## 2.29. TINT

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

### Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### Note:

- This command is acceptable only when moving image is displayed. In other cases, ER401 is returned.

## 2.30. SHARPNESS

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

### Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

	-06			-05			-04		
Hexadecimal Character	2Dh	30h	36h	2Dh	30h	35h	2Dh	30h	34h
	-	0	6	-	0	5	-	0	4
	13			14			15		
Hexadecimal Character	30h	31h	33h	30h	31h	34h	30h	31h	35h
	0	1	3	0	1	4	0	1	5

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### Note:

- This setting range varies according to input signal. If out of range, ER402 is returned.

### 2.31. COLOR TEMPERATURE

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

■Parameters(\*1,\*2)

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.32. DAYLIGHT VIEW

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

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

FRONT INSTALLATION

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

REAR INSTALLATION

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.33. DIGITAL CINEMA REALITY

Hexadecimal Character	02h	4Fh	50h	44h	3Ah	*1	03h
		O	P	D	:	*2	

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal Character	30h	31h
	0	1

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	4Fh	50h	44h	3Ah	*1	03h
		O	P	D	:	*2	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

■Note:

- This command is available only when an interlaced signal is inputted. In other cases, ER401 is returned.

### 2.34. NOISE REDUCTION

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

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal Character	30h	31h
	0	1

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

■Note:

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

### 2.35. TV SYSTEM

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

■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

■Note:

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

### 2.36. RGB/YPbPr

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

■Parameters(\*1,\*2)

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	×	×

### 2.37. CONTRAST - RED

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.38. CONTRAST - GREEN

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.39. CONTRAST - BLUE

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×



## 2.40. BRIGHTNESS - RED

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.41. BRIGHTNESS - GREEN

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.42. BRIGHTNESS - BLUE

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.43. 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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	×

### 2.44. SHIFT - H

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	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.45. SHIFT - V

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	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.46. 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	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### Note:

- This command is available only when moving image is displayed. In other cases, ER401 is returned.

## 2.47. 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	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### Note:

- Only when the input is COMPUTER IN, and still image is displayed, this command is acceptable. In other cases, ER401 is returned.

## 2.48. 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	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### Note:

- This command is acceptable only when the input is COMPUTER IN. In other cases, ER401 is returned.

## 2.49. ASPECT

Hexadecimal Character	02h	56h	53h	31h	3Ah	*1	*3	03h
		V	S	1	:	*2	*4	

### ■Parameters(\*1,\*2,\*3,\*4)

- Normal time

	AUTO		NORMAL		NATIVE		FULL		H-FIT	
Hexadecimal Character	30h	30h	30h	31h	30h	36h	30h	39h	30h	35h
	0	0	0	1	0	5	0	6	0	9

- Wide signal input

	S16:9		NORMAL	
Hexadecimal Character	30h	31h	30h	32h
	0	1	0	2

### ■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	53h	31h	3Ah	*1	*3	03h
		V	S	1	:	*2	*4	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.50. FRAME LOCK

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

### ■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal Character	30h	31h
	0	1

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.51. LANGUAGE

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

### ■Parameters(\*1,\*2,\*3,\*4,\*5,\*6,)

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

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.52. 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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.53. OSD DESIGN

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

### ■Parameters(\*1,\*2)

	TYPE1	TYPE2
Hexadecimal	30h	31h
Character	0	1

### ■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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.54. 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				
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

### ■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	STANDBY	NO SIGNAL	AV MUTE
×	×	○	○

## 2.55. HDMI SIGNAL LEVEL

Hexadecimal Character	02h	56h	58h	58h	3Ah	48h	53h	4Ch	49h
		V	X	X	:	H	S	L	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

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

	0-1023				
Hexadecimal Character	30h	30h	30h	30h	30h
	0	0	0	0	0
	64-940				
Hexadecimal Character	30h	30h	30h	30h	31h
	0	0	0	0	1

### ■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	48h	53h	4Ch	49h
		V	X	X	:	H	S	L	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	○

## 2.56. CLOSED CAPTION SETTING

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

### ■Parameters(\*1,\*2)

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

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### ■Note:

- Input signal is 480i (YPbPr) or NTSC, this command is available.

## 2.57. STARTUP LOGO

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

### ■Parameters(\*1,\*2)

	OFF	DEFAULT	TEXT	USER
Hexadecimal Character	30h	31h	32h	32h
	0	1	2	2

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.58. AUTO SETUP SETTING

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

### ■Parameters(\*1,\*2)

	BUTTON	AUTO
Hexadecimal Character	30h	31h
	0	1

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.59. 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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.60. BACK COLOR

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

### ■Parameters(\*1,\*2)

	BLUE	BLACK	DEFAULT	USER
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

### ■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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	×

## 2.61. 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	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

## 2.62. PROJECTOR ID

Hexadecimal	02h	52h	49h	53h	3Ah	*1	03h
Character		R	I	S	:	*2	

### ■Parameters(\*1,\*2)

	ALL	ID 1	ID 2	ID 3	ID 4	ID 5	ID 6
Hexadecimal	30h	31h	32h	33h	34h	35h	36h
Character	0	1	2	3	4	5	6

### ■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	52h	49h	53h	3Ah	*1	03h
Character		R	I	S	:	*2	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

### 2.63. INITIAL START UP

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	STANDBY	NO SIGNAL	AV MUTE
×	×	○	○

### 2.64. 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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	×

### 2.65. HIGH ALTITUDE MODE

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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

### 2.66. LAMP POWER

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

#### ■Parameters(\*1,\*2)

	ECO	NORMAL
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	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○



## 2.67. SCHEDULE

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	43h	48h	49h
		V	X	X	:	S	C	H	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

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

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

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	43h	48h	49h
		V	X	X	:	S	C	H	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.68. ECO MANAGEMENT

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
		V	X	X	:	E	C	O	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

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

オフ					
Hexadecimal Character	30h	30h	30h	30h	30h
	0	0	0	0	0
オン					
Hexadecimal Character	30h	30h	30h	30h	31h
	0	0	0	0	1

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
		V	X	X	:	E	C	O	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.69. AMBIENT LIGHT DETECTION

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
		V	X	X	:	E	C	O	I
Hexadecimal Character	31h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	1	=	+	*2	*4	*6	*8	*10	

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

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

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
		V	X	X	:	E	C	O	I
Hexadecimal Character	31h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	1	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.70. SIGNAL DETECTION

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
Character		V	X	X	:	E	C	O	I
Hexadecimal Character	32h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	2	=	+	*2	*4	*6	*8	*10	

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

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

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
Character		V	X	X	:	E	C	O	I
Hexadecimal Character	32h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	2	=	+	*2	*4	*6	*8	*10	

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.71. AV MUTE DETECTION

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
Character		V	X	X	:	E	C	O	I
Hexadecimal Character	33h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	3	=	+	*2	*4	*6	*8	*10	

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

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

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	45h	43h	4Fh	49h
Character		V	X	X	:	E	C	O	I
Hexadecimal Character	33h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	3	=	+	*2	*4	*6	*8	*10	

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.72. NO SIGNAL SHUT-OFF

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

### Parameters(\*1,\*2,\*3,\*4)

OFF		15		60		
Hexadecimal Character	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 Character	02h	4Fh	41h	46h	3Ah	*1	*3	03h
Character		O	A	F	:	*2	*4	

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.73. STANDBY MODE

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	54h	4Dh	49h
		V	X	X	:	S	T	M	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

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

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

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	54h	4Dh	49h
		V	X	X	:	S	T	M	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.74. EMULATE

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

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

DEFAULT					
Hexadecimal Character	30h	30h	30h	30h	31h
	0	0	0	0	1
D3500					
Hexadecimal Character	30h	30h	30h	30h	32h
	0	0	0	0	2
D4000					
Hexadecimal Character	30h	30h	30h	30h	33h
	0	0	0	0	3
D/W5k Series					
Hexadecimal Character	30h	30h	30h	30h	34h
	0	0	0	0	4
D/W/Z6k Series					
Hexadecimal Character	30h	30h	30h	30h	35h
	0	0	0	0	5
L730					
Hexadecimal Character	30h	30h	30h	30h	36h
	0	0	0	0	6
L780					
Hexadecimal Character	30h	30h	30h	30h	37h
	0	0	0	0	7
L735					
Hexadecimal Character	30h	30h	30h	30h	38h
	0	0	0	0	8
L785					
Hexadecimal Character	30h	30h	30h	30h	39h
	0	0	0	0	9
LB/W Series					
Hexadecimal Character	30h	30h	30h	31h	30h
	0	0	0	1	0
F/W Series					
Hexadecimal Character	30h	30h	30h	31h	31h
	0	0	0	1	1

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	○

## 2.75. AUDIO SETTING - VOLUME

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

### ■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	△	×	×

### ■Note:

- During STANDBY, this command is available only when "IN STANDBY MODE "is ON.

## 2.76. AUDIO SETTING - BALANCE

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

### ■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	△	×	×

### ■Note:

- During STANDBY, this command is available only when "IN STANDBY MODE "is ON.

## 2.77. AUDIO SETTING - IN STANDBY MODE

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

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

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

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.78. AUDIO SETTING – AUDIO IN SELECT

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

### Parameters(\*1,\*2)

	HDMI 1	HDMI 2
Hexadecimal Character	33h	37h
Character	3	7

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

	AUDIO IN				
Hexadecimal Character	30h	30h	30h	30h	30h
Character	0	0	0	0	0
	HDMI AUDIO IN				
Hexadecimal Character	30h	30h	30h	30h	32h
Character	0	0	0	0	2

### Response (Callback)

In the period when the command can be accepted

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

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

### Note:

- Can choose "HDMI AUDIO IN", when HDMI1 or HDMI2 input only.

## 2.79. TEST PATTERN

Hexadecimal Character	02h	4Fh	53h	56h	03h
Character		O	S	V	

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	4Fh	53h	56h	03h
Character		O	S	V	

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

## 2.80. TEST PATTERN 2

Hexadecimal Character	02h	4Fh	54h	53h	3Ah	*1	03h
Character		O	T	S	:	*2	

### Parameters(\*1,\*2)

	All whit	Color bars	White cross on black background	Black cross on white background	Cross hatch
Hexadecimal Character	30h	31h	32h	33h	34h
Character	0	1	2	3	4
	Dots	Vertical lines	Horizontal lines	Focus	Convergence
Hexadecimal Character	35h	36h	37h	38h	39h
Character	5	6	7	8	9

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	4Fh	54h	53h	3Ah	*1	03h
Character		O	T	S	:	*2	

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	○	×

## 2.81. SCHEDULE (PROGRAM SET)

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	50h	47h	49h
Character		V	X	X	:	S	P	G	I
Hexadecimal Character	*1	3Dh	2Dh	*3	*5	*7	*9	*11	03h
Character	*2	=	+	*4	*6	*8	*10	*12	

### ■Parameters(\*1,\*2)

	SUN	MON	TUE	WED	THU	FRI	SAT
Hexadecimal	30h	31h	32h	33h	34h	35h	36h
Character	0	1	2	3	4	5	6

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

OFF (Disable set)					
Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0
PROGRAM1					
Hexadecimal	30h	30h	30h	30h	31h
Character	0	0	0	0	1
PROGRAM2					
Hexadecimal	30h	30h	30h	30h	32h
Character	0	0	0	0	2
PROGRAM3					
Hexadecimal	30h	30h	30h	30h	33h
Character	0	0	0	0	3
PROGRAM4					
Hexadecimal	30h	30h	30h	30h	34h
Character	0	0	0	0	4
PROGRAM5					
Hexadecimal	30h	30h	30h	30h	35h
Character	0	0	0	0	5
PROGRAM6					
Hexadecimal	30h	30h	30h	30h	36h
Character	0	0	0	0	6
PROGRAM7					
Hexadecimal	30h	30h	30h	30h	37h
Character	0	0	0	0	7

### ■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	50h	47h	49h
Character		V	X	X	:	S	P	G	I
Hexadecimal Character	*1	3Dh	2Dh	*3	*5	*7	*9	*11	03h
Character	*2	=	+	*4	*6	*8	*10	*12	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.82. SCHEDULE (PROGRAM EDIT)

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	43h	43h	53h	*1
		V	X	X	:	S	C	C	S	*2
Hexadecimal Character	3Dh	*3	*5	*7	*9	*11	*13	*15	*17	03h
	=	*4	*6	*8	*10	*12	*14	*16	*18	

### ■Parameters(\*1,\*2)

Program from No.							
Hexadecimal Character	31h	32h	33h	34h	35h	36h	37h
	1	2	3	4	5	6	7

### ■Parameters(\*3,\*4,\*5,\*6)

COMMAND No. (decimal number) 01~16					
Hexadecimal Character	30h	31h	...	31h	36h
	0	1		1	6

### ■Parameters(\*7,\*8,\*9,\*10)

COMMAND※ 00~FF					
Hexadecimal Character	30h	30h	...	46h	46h
	0	0		F	F

□Refer to "3.1 SCHEDULE CONTROL COMMAND LIST" of the APPENDIX TABLE.

### ■Parameters(\*11,\*12,\*13,\*14)

Hour 00~23					
Hexadecimal Character	30h	30h	...	32h	33h
	0	0		2	3

### ■Parameters(\*15,\*16,\*17,\*18)

Minute 00~59					
Hexadecimal Character	30h	30h	...	35h	39h
	0	0		5	9

### ■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	53h	43h	43h	53h	*1
		V	X	X	:	S	C	C	S	*2
Hexadecimal Character	3Dh	*3	*5	*7	*9	*11	*13	*15	*17	03h
	=	*4	*6	*8	*10	*12	*14	*16	*18	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.83. DATE SETTING

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

### ■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 Character	32h	30h	30h	38h	30h	34h	30h	31h	32h
	2	0	0	8	0	4	0	1	2

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.84. TIME SETTING

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

### 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

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

### Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.85. NTP SYNCHRONIZATION

Hexadecimal Character	02h	56h	58h	58h	3Ah	4Eh	54h	50h	49h
		V	X	X	:	N	T	P	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

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

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

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	4Eh	54h	50h	49h
		V	X	X	:	N	T	P	I
Hexadecimal Character	30h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
	0	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

## 2.86. SELF CHECK

Hexadecimal Character	02h	4Fh	53h	43h	03h
		O	S	C	

### Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	4Fh	53h	43h	03h
		O	S	C	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×



### 2.87. FUNCTION BUTTON 1

Hexadecimal Character	02h	4Fh	46h	43h	3Ah	*1 *2	*3 *4	*5 *6	03h
		O	F	C	:				

■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

Parameters	
Hexadecimal Character	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	4Fh	46h	43h	3Ah	*1 *2	*3 *4	*5 *6	03h
		O	F	C	:				

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	○	○	○

### 2.88. FUNCTION BUTTON 1 - 2

Hexadecimal Character	02h	56h	58h	58h	3Ah	46h	4Eh	43h	49h
		V	X	X	:	F	N	C	I
Hexadecimal Character	30h	3Dh	2Dh	*1 *2	*3 *4	*5 *6	*7 *8	*9 *10	03h
	0	=	+						

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

Parameters	
Hexadecimal Character	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	46h	4Eh	43h	49h
		V	X	X	:	F	N	C	I
Hexadecimal Character	30h	3Dh	2Dh	*1 *2	*3 *4	*5 *6	*7 *8	*9 *10	03h
	0	=	+						

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.89. FUNCTION BUTTON 2

Hexadecimal Character	02h	56h	58h	58h	3Ah	46h	4Eh	43h	49h
		V	X	X	:	F	N	C	I
Hexadecimal Character	31h	3Dh	2Dh	*1 *2	*3 *4	*5 *6	*7 *8	*9 *10	03h
	1	=	+						

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

Parameters	
Hexadecimal Character	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	46h	4Eh	43h	49h
		V	X	X	:	F	N	C	I
Hexadecimal Character	31h	3Dh	2Dh	*1 *2	*3 *4	*5 *6	*7 *8	*9 *10	03h
	1	=	+						

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.90. FUNCTION BUTTON 3

Hexadecimal Character	02h	56h	58h	58h	3Ah	46h	4Eh	43h	49h
Character		V	X	X	:	F	N	C	I
Hexadecimal Character	32h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	2	=	+	*2	*4	*6	*8	*10	

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

Parameters	
Hexadecimal Character	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	56h	58h	58h	3Ah	46h	4Eh	43h	49h
Character		V	X	X	:	F	N	C	I
Hexadecimal Character	32h	3Dh	2Dh	*1	*3	*5	*7	*9	03h
Character	2	=	+	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	×	×	×

### 2.91. AUDIO MUTE

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

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal Character	30h	31h
	0	1

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
×	△	×	×

■Note:

- "IN STANDBY MODE" is "ON" only when, STANDBY when available.

### 2.92. EXT OPTION

Hexadecimal Character	02h	4Fh	48h	4Dh	03h
Character		O	H	M	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	4Fh	48h	4Dh	03h
Character		O	H	M	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	○	×

### 2.93. Query POWER

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

■Response (Callback)

OFF

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

ON

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	○	○	○

### 2.94. Query INPUT SELECT

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

■Response (Callback)

COMPUTER

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

COMPONENT

Hexadecimal	02h	59h	55h	56h	03h
Character		Y	U	V	

VIDEO

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

S-VIDEO

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

HDMI1

Hexadecimal	02h	48h	44h	31h	03h
Character		H	D	1	

HDMI2

Hexadecimal	02h	48h	44h	32h	03h
Character		H	D	2	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>

### 2.95. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

### 2.96. Query AUTO SETUP

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

■Response (Callback)

OFF

Hexadecimal	02h	30h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.97. Query AV MUTE

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

■Response (Callback)

OFF

Hexadecimal	02h	31h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.98. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

	DYNAMIC			NATURAL			STANDARD			BLACK BOARD		
Hexadecimal	44h	59h	4Eh	4Eh	41h	54h	53h	54h	44h	42h	42h	44h
Character	D	Y	N	N	A	T	S	T	D	B	B	D
	CINEMA			WHITE BOARD								
Hexadecimal	43h	49h	4Eh	57h	42h	44h						
Character	C	I	N	W	B	D						

■Note:

- When input the Moving image, "NATURAL" is not returned.
- When input the Still image, "CINEMA" is not returned.

### 2.99. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■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

### 2.100. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■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

### 2.101. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■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

### 2.102. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■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

### 2.103. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

	-06			-05			-04		
Hexadecimal	2Dh	30h	36h	2Dh	30h	35h	2Dh	30h	34h
Character	-	0	6	-	0	5	-	0	4
	13			14			015		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

### 2.104. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■Parameters(\*1,\*2)

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

### 2.105. Query DAYLIGHT VIEW

Hexadecimal Character	02h	51h	56h	58h	3Ah	44h	4Ch	56h	49h	30h	03h
		Q	V	X	:	D	L	V	I	0	

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

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

FRONT INSTALLATION

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

REAR INSTALLATION

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

### 2.106. Query DIGITAL CINEMA REALITY

Hexadecimal Character	02h	51h	50h	44h	03h
		Q	P	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	*1	03h
		*2	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal Character	30h	31h
	0	1

■Note:

- This command is available only when an interlaced signal is inputted. In other cases, ER401 is returned.

### 2.107. Query NOISE REDUCTION

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

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	*1	03h
		*2	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal Character	30h	31h
	0	1

■Note:

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

## 2.108. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	○	○

### ■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

	オート			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.

## 2.109. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

### ■Parameters(\*1,\*2)

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

## 2.110. Query CONTRAST - RED

Hexadecimal	02h	51h	43h	31h	03h
Character		Q	C	1	

### ■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

### ■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

### 2.111. Query CONTRAST - GREEN

Hexadecimal	02h	51h	43h	32h	03h
Character		Q	C	2	

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■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

### 2.112. Query CONTRAST - BLUE

Hexadecimal	02h	51h	43h	33h	03h
Character		Q	C	3	

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■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

### 2.113. Query BRIGHTNESS - RED

Hexadecimal	02h	51h	42h	31h	03h
Character		Q	B	1	

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■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



### 2.114. Query BRIGHTNESS - GREEN

Hexadecimal	02h	51h	42h	32h	03h
Character		Q	B	2	

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■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

### 2.115. Query BRIGHTNESS - BLUE

Hexadecimal	02h	51h	42h	33h	03h
Character		Q	B	3	

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■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

### 2.116. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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

### 2.117. Query SHIFT H

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■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			

### 2.118. Query SHIFT V

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■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			

### 2.119. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■Parameters(\*1,\*2)

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

### 2.120. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■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:

- Only when the input is COMPUTER IN, and still image is displayed, this command is acceptable. In other cases, ER401 is returned.

### 2.121. 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	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■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 COMPUTER IN. In other cases, ER401 is returned.

### 2.122. Query ASPECT

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
○	×	×	○

■Parameters(\*1,\*2,\*3,\*4)

• Normal time

	AUTO		NORMAL		NATIVE		FULL		H-FIT	
Hexadecimal	30h	30h	30h	31h	30h	35h	30h	36h	30h	39h
Character	0	0	0	1	0	5	0	6	0	9

• Wide signal input

	S4:3		NORMAL	
Hexadecimal	30h	31h	30h	32h
Character	0	1	0	2

### 2.123. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

### 2.124. Query 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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			

### 2.125. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

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

### 2.126. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	TYPE1	TYPE2
Hexadecimal	30h	31h
Character	0	1

### 2.127. Query WARNING MESSAGE

Hexadecimal	02h	51h	56h	58h	3Ah	57h	4Dh	44h	49h	30h	03h
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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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

### 2.128. Query HDMI SIGNAL LEVEL

Hexadecimal	02h	51h	56h	58h	3Ah	48h	53h	4Ch	49h	30h	03h
Character		Q	V	X	:	H	S	L	I	0	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	48h	53h	4Ch	49h	30h	3Dh	2Dh
Character		H	S	L	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

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

	0-1023				
Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0
	64-940				
Hexadecimal	30h	30h	30h	30h	31h
Character	0	0	0	0	1

### 2.129. Query CLOSED CAPTION SETTING

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■Parameters(\*1,\*2)

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

■Note:

- Input signal is 480i or NTSC, this command is available.

### 2.130. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	OFF	DEFAULT	TEXT	USER
Hexadecimal	30h	31h	32h	32h
Character	0	1	2	2

### 2.131. Query AUTO SETUP SETTING

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	BUTTON	AUTO
Hexadecimal	30h	31h
Character	0	1

### 2.132. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

### 2.133. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	BLUE	BLACK	DEFAULT	USER
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

### 2.134. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	SXGA	SXGA+
Hexadecimal	30h	31h
Character	0	1

### 2.135. Query INITIAL START UP

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	STANDBY	ON	LAST MEMORY
Hexadecimal	30h	31h	32h
Character	0	1	2

### 2.136. Query INSTALLATION

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

■Response (Callback)

Hexadecimal	02h	*1	03h
Character		*2	

Parameters(\*1,\*2)

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.137. Query HIGH ALTITUDE MODE

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

### 2.138. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	ECO	NORMAL
Hexadecimal	30h	31h
Character	0	1

### 2.139. Query SCHEDULE

Hexadecimal	02h	51h	56h	58h	3Ah	53h	43h	48h	49h	30h	03h
Character		Q	V	X	:	S	C	H	I	0	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	43h	48h	49h	30h	3Dh	2Dh
Character		S	C	H	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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



### 2.140. Query ECO MANAGEMENT

Hexadecimal Character	02h	51h Q	56h V	58h X	3Ah :	45h E	43h C	4Fh O	49h I	30h 0	03h
-----------------------	-----	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	45h E	43h C	4Fh O	49h I	30h 0	3Dh =	2Dh +
Hexadecimal Character	*1 *2	*3 *4	*5 *6	*7 *8	*9 *10	03h		

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

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

### 2.141. Query AMBIENT LIGHT DETECTION

Hexadecimal Character	02h	51h Q	56h V	58h X	3Ah :	45h E	43h C	4Fh O	49h I	31h 1	03h
-----------------------	-----	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	45h E	43h C	4Fh O	49h I	31h 1	3Dh =	2Dh +
Hexadecimal Character	*1 *2	*3 *4	*5 *6	*7 *8	*9 *10	03h		

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

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

### 2.142. Query SIGNAL DETECTION

Hexadecimal Character	02h	51h Q	56h V	58h X	3Ah :	45h E	43h C	4Fh O	49h I	32h 2	03h
-----------------------	-----	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----

■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	45h E	43h C	4Fh O	49h I	32h 2	3Dh =	2Dh +
Hexadecimal Character	*1 *2	*3 *4	*5 *6	*7 *8	*9 *10	03h		

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

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

### 2.143. Query AV MUTE DETECTION

Hexadecimal	02h	51h	56h	58h	3Ah	45h	43h	4Fh	49h	33h	03h
Character		Q	V	X	:	E	C	O	I	3	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	45h	43h	4Fh	49h	33h	3Dh	2Dh
Character		E	C	O	I	3	=	+

Hexadecimal	*1	*3	*5	*7	*9	03h
Character	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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

### 2.144. Query NO SIGNAL SHUT-OFF

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2,\*3,\*4)

- "OFF" setting, and can be set at intervals of 15 to 60 minutes and 5 minutes.

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

### 2.145. Query STANDBY MODE

Hexadecimal	02h	51h	56h	58h	3Ah	53h	54h	4Dh	49h	30h	03h
Character		Q	V	X	:	S	T	M	I	0	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	54h	4Dh	49h	33h	3Dh	2Dh
Character		S	T	M	I	3	=	+

Hexadecimal	*1	*3	*5	*7	*9	03h
Character	*2	*4	*6	*8	*10	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

NORMAL

Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0

ECO

Hexadecimal	30h	30h	30h	30h	33h
Character	0	0	0	0	3

2.146. Query EMULATE

Hexadecimal Character	02h	51h	56h	58h	3Ah	45h	4Dh	55h	49h	30h	03h
		Q	V	X	:	E	M	U	I	0	

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

DEFAULT				
Hexadecimal Character	30h	30h	30h	31h
	0	0	0	1
D3500				
Hexadecimal Character	30h	30h	30h	32h
	0	0	0	2
D4000				
Hexadecimal Character	30h	30h	30h	33h
	0	0	0	3
D/W5k Series				
Hexadecimal Character	30h	30h	30h	34h
	0	0	0	4
D/W/Z6k Series				
Hexadecimal Character	30h	30h	30h	35h
	0	0	0	5
L730				
Hexadecimal Character	30h	30h	30h	36h
	0	0	0	6
L780				
Hexadecimal Character	30h	30h	30h	37h
	0	0	0	7
L735				
Hexadecimal Character	30h	30h	30h	38h
	0	0	0	8
L785				
Hexadecimal Character	30h	30h	30h	39h
	0	0	0	9
LB/W Series				
Hexadecimal Character	30h	30h	30h	31h
	0	0	0	1
F/W Series				
Hexadecimal Character	30h	30h	30h	31h
	0	0	0	1

2.147. Query AUDIO SETTING - VOLUME

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

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

■Note:

- During STANDBY, this command is available only when "IN STANDBY MODE "is ON.

2.148. Query AUDIO SETTING - 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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 "IN STANDBY MODE "is ON.

2.149. Query AUDIO SETTING - IN STANDBY MODE

Hexadecimal	02h	51h	56h	58h	3Ah	41h	53h	42h	49h	30h	03h
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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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

2.150. Query AUDIO SETTING – AUDIO IN SELECT

Hexadecimal	02h	51h	56h	58h	3Ah	41h	53h	42h	49h	*1	30h	03h
Character		Q	V	X	:	A	I	N	I	*2	0	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	41h	53h	42h	49h	*1	3Dh	2Dh
Character		A	I	N	I	*2	=	+
Hexadecimal	*3	*5	*7	*9	*11	03h		
Character	*4	*6	*8	*10	*12			

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	HDMI1 IN		HDMI2 IN	
Hexadecimal	30h		32h	
Character	3		7	

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

	AUDIO IN				
Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0
	HDMI AUDIO IN				
Hexadecimal	30h	30h	30h	30h	33h
Character	0	0	0	0	3

2.151. Query SCHEDULE (PROGRAM SET)

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	SUN	MON	TUE	WED	THU	FRI	SAT
Hexadecimal Character	30h	31h	32h	33h	34h	35h	36h
	0	1	2	3	4	5	6

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

	OFF (Disable set)				
Hexadecimal Character	30h	30h	30h	30h	30h
	0	0	0	0	0
	PROGRAM1				
Hexadecimal Character	30h	30h	30h	30h	31h
	0	0	0	0	1
	PROGRAM2				
Hexadecimal Character	30h	30h	30h	30h	32h
	0	0	0	0	2
	PROGRAM3				
Hexadecimal Character	30h	30h	30h	30h	33h
	0	0	0	0	3
	PROGRAM4				
Hexadecimal Character	30h	30h	30h	30h	34h
	0	0	0	0	4
	PROGRAM5				
Hexadecimal Character	30h	30h	30h	30h	35h
	0	0	0	0	5
	PROGRAM6				
Hexadecimal Character	30h	30h	30h	30h	36h
	0	0	0	0	6
	PROGRAM7				
Hexadecimal Character	30h	30h	30h	30h	37h
	0	0	0	0	7

## 2.152. Query SCHEDULE (PROGRAM EDIT)

Hexadecimal Character	02h	51h Q	56h V	58h X	3Ah :	53h S	43h C	43h C	53h S	*1 *2
Hexadecimal Character	02h =	*3 *4	*5 *6	03h						

### ■Response (Callback)

In the period when the command can be accepted

Hexadecimal Character	02h	53h S	43h C	43h C	53h S	*1 *2	3Dh =	*3 *4	*5 *6
Hexadecimal Character	*7 *8	*9 *10	*11 *12	*13 *14	*15 *16	*17 *18	03h		

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### ■Parameters(\*1,\*2)

	Program No.						
Hexadecimal Character	31h 1	32h 2	33h 3	34h 4	35h 5	36h 6	37h 7

### ■Parameters(\*3,\*4,\*5,\*6)

	COMMAND No. (decimal number) 01~16				
Hexadecimal Character	30h 0	31h 1	...	31h 1	36h 6

### ■Parameters(\*7,\*8,\*9,\*10)

	COMMAND※ 00~FF				
Hexadecimal Character	30h 0	30h 0	...	46h F	46h F

※Refer to "3.1 SCHEDULE CONTROL COMMAND LIST" of the APPENDIX TABLE.

### ■Parameters(\*11,\*12,\*13,\*14)

	Hour 00~23				
Hexadecimal Character	30h 0	30h 0	...	32h 2	33h 3

### ■Parameters(\*15,\*16,\*17,\*18)

	Minute 00~59				
Hexadecimal Character	30h 0	30h 0	...	35h 5	39h 9

## 2.153. Query DATE AND TIME

Hexadecimal Character	02h	51h Q	43h C	54h T	03h
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### ■Response (Callback)

In the period when the command can be accepted

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

### Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### ■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 : In the case of April 1, 2008 12:00:00 (+00:00)

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

### 2.154. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.155. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.156. Query NTP SYNCHRONIZATION

Hexadecimal	02h	51h	56h	58h	3Ah	4Eh	54h	50h	49h	30h	03h
Character		Q	V	X	:	N	T	P	I	0	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Eh	54h	50h	49h	30h	3Dh	2Dh
Character		N	T	P	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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

2.157. Query FUNCTION BUTTON 1

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

■Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2,\*3,\*4,\*5,\*6)

Parameters	
Hexadecimal	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.
Character	

2.158. Query FUNCTION BUTTON 1 - 2

Hexadecimal	02h	51h	56h	58h	3Ah	46h	4Eh	43h	49h	30h	03h
Character		Q	V	X	:	F	N	C	I	0	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	4Eh	43h	49h	30h	3Dh	2Dh
Character		F	N	C	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

Parameters	
Hexadecimal	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.
Character	

2.159. Query FUNCTION BUTTON 2

Hexadecimal	02h	51h	56h	58h	3Ah	46h	4Eh	43h	49h	31h	03h
Character		Q	V	X	:	F	N	C	I	1	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	4Eh	43h	49h	31h	3Dh	2Dh
Character		F	N	C	I	1	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

Parameters	
Hexadecimal	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.
Character	

2.160. Query FUNCTION BUTTON 3

Hexadecimal	02h	51h	56h	58h	3Ah	46h	4Eh	43h	49h	32h	03h
Character		Q	V	X	:	F	N	C	I	2	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	4Eh	43h	49h	32h	3Dh	2Dh
Character		F	N	C	I	2	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

Parameters	
Hexadecimal	Refer to "3.2 FNC COMMAND PARAMETERS" of the APPENDIX TABLE.
Character	



### 2.161. Query RUNTIME - LAMP

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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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.

### 2.162. 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 of Lamp

Hexadecimal	02h	31h	03h
Character		1	

Lamp ON

Hexadecimal	02h	32h	03h
Character		2	

In turning OFF of Lamp

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.163. Query TEMP 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&deg;C (68&deg;F)

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

Example: -10&deg;C (14&deg;F)

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

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.164. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.165. 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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

### 2.166. Query RUNTIME - PROJECTOR

Hexadecimal	02h	51h	56h	58h	3Ah	52h	54h	4Dh	49h	30h	03h
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	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■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

### 2.167. Query LAMP PART No.

Hexadecimal	02h	51h	56h	58h	3Ah	4Ch	4Dh	4Eh	53h	30h	03h
Character		Q	V	X	:	L	M	N	S	0	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Ch	4Dh	4Eh	53h	30h	3Dh
Character		L	M	N	S	0	=
Hexadecimal	*1	*3	*5	*7	*9	03h	
Character	*2	*4	*6	*8	*10		

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

Example: ET-LAF100

Hexadecimal	45h	54h	2Dh	4Ch	41h	46h	31h	30h	30h
Character	E	T	-	L	A	F	1	0	0

■Note:

- This figure of the parameter fluctuates.

### 2.168. Query CCONTROL PANEL OPERATION

Hexadecimal	02h	51h	50h	44h	03h
Character		Q	P	K	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

■Parameters(\*1,\*2)

	ENABLE	DISABLE
Hexadecimal	30h	31h
Character	0	1

## 2.169. Query AUDIO MUTE

Hexadecimal	02h	51h	4dh	54h	03h
Character		Q	M	T	

### ■Response (Callback)

OFF

Hexadecimal	02h	31h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STANDBY	NO SIGNAL	AV MUTE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## 3. APPENDIX TABHLE

### 3.1. SCHEDULE CONTROL COMMAND LIST

Classification	Control Command	Function
POWER CONTROL	10	STANDBY
	11	POWER - ON
AV MUTE	20	AV MUTE - OFF
	21	AV MUTE - ON
INPUT SELECT	31	COMPUTER - IN
	41	VIDEO - IN
	42	S-VIDEO - IN
	53	HDMI1 - IN
	54	HDMI2 - IN
LAMP POWER	70	LAMP POWER - NORMAL
	71	LAMP POWER - ECO
IN STANDBY MODE	A0	IN STANDBY MODE(AUDIO) OFF
	A1	IN STANDBY MODE(AUDIO) ON
AUDIO IN VOLUME	C0~FF	VOLUME LEVEL 0~63

### 3.2. FNC COMMAND PARAMETERS

Parameters	Function name	Parameters	Function name
0000	DISABLE	0053	OSD DESIGN
0001	PICTURE	0054	WARNING MESSAGE
0002	POSITION	0055	CLOSED CAPTION
0003	LANGUAGE	0056	CLOSED CAPTION MODE
0004	DISPLAY OPTION	0057	OTHER FUNCTIONS - AUTO SETUP
0005	PROJECTOR SETUP	0058	FREEZE
0006	SECURITY	0059	AV MUTE
0007	NETWORK	0060	STATUS
0008	PICTURE MODE	0061	PROJECTOR - ID
0009	CONTRAST	0062	INITIAL START UP
0010	BRIGHTNESS	0063	PROJECTION METHOD
0011	COLOR	0064	HIGH ALTITUDE MODE
0012	TINT	0065	LAMP POWER
0013	SHARPNESS	0066	SCHEDULE
0014	COLOR TEMPERATURE	0067	ECO MANAGEMENT
0015	DYNAMIC IRIS	0068	EMULATE
0016	WAVEFORM MONITOR	0069	FUNCTION BUTTON
0017	ADVANCED MENU	0070	AUDIO SETTING
0018	DAYLIGHT VIEW	0071	DATE AND TIME
0019	NOISE REDUCTION	0072	TEST PATTERN
0020	DIGITAL CINEMA REALITY	0073	AUTO POWER SAVE
0021	TV-SYSTEM	0074	AMBIENT LIGHT DETECTION
0022	RGB/YpbPr	0075	SIGNAL DETECTION
0023	MONITOR POSITION	0076	AV MUTE DETECTION
0024	AUTO ADJUST	0077	NO SIGNAL SHUT-OFF
0025	START AUTO ADJUST	0078	STANDBY MODE
0026	BLACK LEVEL ADJUST	0079	VOLUME
0027	WHITE LEVEL ADJUST	0080	BALANCE
0028	RGB ADJUST (BLACK)	0081	IN STANDBY MODE
0029	RGB ADJUST (WHITE)	0082	AUDIO IN SELECT- HDMI1
0030	CONTRAST - R	0083	AUDIO IN SELECT- HDMI2
0031	CONTRAST - G	0084	TIME ZONE
0032	CONTRAST - B	0085	DATE AND TIME SETTING
0033	BRIGHTNESS - R	0086	WIRED LAN
0034	BRIGHTNESS - G	0087	PROJECTOR NAME CHANGE
0035	BRIGHTNESS - B	0088	NETWORK CONTROL
0036	KEystone	0089	NETWORK STATUS
0037	SHIFT		
0038	DOT CLOCK		
0039	CLOCK PHASE		
0040	OVER SCAN		
0041	ASPECT		
0042	FRAME LOCK		
0043	ON-SCREEN DISPLAY		
0044	HDMI SIGNAL LEVEL		
0045	CLOSED CAPTION SETTING		
0046	STARTUP LOGO		
0047	AUTO SETUP SETTING		
0048	SIGNAL SEARCH		
0049	BACK COLOR		
0050	SXGA MODE		
0051	OTHER FUNCTIONS		
0052	INPUT GUIDE		