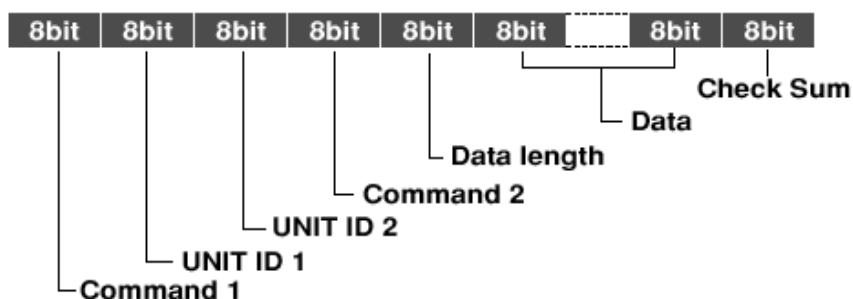


25. RS-232C Command List

Communication Parameters

- | | |
|--------------------------|--------------|
| (1) Communication system | Asynchronous |
| (2) Interface | RS-232C |
| (3) Baud rate | 9600 bps |
| (4) Data length | 8 bits |
| (5) Parity | Odd |
| (6) Stop bit | 1 bit |
| (7) Communication code | Hex |

Communication Format



No.	Item	CMD1	CMD2	LEN	Notes
1	Power ON	9FH	4EH	00H	
2	Power OFF	9FH	4FH	00H	
3	Input Switch Change	DFH	47H	01H	
4	VOLUME Gain Data	DFH	7FH	03H	
5	AUDIO Mute ON	9FH	3EH	00H	
6	AUDIO Mute OFF	9FH	3FH	00H	
7	CONTRAST Gain Data	DFH	7FH	03H	ISF
8	BRIGHT Gain Data	DFH	7FH	03H	ISF
9	SHARPNESS Gain Data	DFH	7FH	03H	ISF
10	Color Gain Data	DFH	7FH	03H	ISF
11	TINT Gain Data	DFH	7FH	03H	ISF
12	PICTURE MODE Select	DFH	0AH	01H	
13	COLOR TEMP SELECT	DFH	00H	01H	
14	RED Gain Data	DFH	7FH	04H	ISF
15	GREEN Gain Data	DFH	7FH	04H	ISF
16	BLUE Gain Data	DFH	7FH	04H	ISF
17	NR MODE Set	DFH	C0H	01H	ISF
18	BASS Gain Data	DFH	7FH	03H	
19	TREBLE Gain Data	DFH	7FH	03H	
20	BALANCE Gain Data	DFH	7FH	03H	
21	SCREEN MODE Select	DFH	51H	01H	
22	V.POSITION Gain Data	DFH	7FH	03H	ISF
23	H.POSITION Gain Data	DFH	7FH	03H	ISF
24	V-HEIGHT Gain Data	DFH	7FH	03H	ISF

No.	Item	CMD1	CMD2	LEN	Notes
25	H-WIDTH Gain Data	DFH	7FH	03H	ISF
26	AUTO PICTURE Select	DFH	7FH	03H	ISF
27	PHASE Gain Data	DFH	7FH	03H	ISF
28	CLOCK Gain Data	DFH	7FH	03H	ISF
29	OSM ADJ. Gain Data	DFH	1AH	02H	
30	POWER MGT Select	DFH	1AH	02H	
31	GRAY LEVEL Set	DFH	C6H	01H	
32	CINEMA MODE Set	DFH	C1H	01H	
33	LONG LIFE Set	DFH	6BH	03H	ISF
34	SCREEN WIPER Set	DFH	C8H	04H	ISF
35	ALL RESET	1FH	54H	00H	
36	Audio Select Set	DFH	70H	02H	
37	DVD/HD1 INPUT	DFH	8CH	01H	
38	RGB Select	DFH	8BH	01H	
39	HD Select	DFH	8AH	01H	
40	LANGUAGE Select	DFH	5BH	01H	
41	COLOR SYSTEM Select	DFH	5CH	01H	
42	FREQUENCY Request	1FH	26H	00H	
43	Input MODE Request	1FH	41H	00H	
44	VIDEO ADJ Request	1FH	45H	00H	
45	Audio Select Request	1FH	6FH	00H	
46	Failure Mode Request	1FH	3FH	00H	
47	MODEL NAME Request	1FH	17H	00H	
48	D-SUB INPUT	DFH	8DH	01H	
49	LOW TONE	---	---	---	
50	COLOR TUNE	DFH	0DH	08H	ISF
51	GAMMA Gain Data	DFH	13H	04H	ISF
52	Running Sense	1FH	88H	00H	
53	OSM ORBITER	DFH	5FH	01H	
54	Input Skip	5FH	61H	01H	
55	SERIAL No. Request	1FH	15H	00H	
56	S1/S2 Select	DFH	89H	01H	
57	SOFT FOCUS Select	DFH	65H	01H	ISF
58	BLACK LEVEL(HDMI SET UP)	DFH	8FH	01H	
59	Multi (Sprit) Screen Select	DFH	07H	01H	
60	SUB PICTURE DETECT	DFH	7AH	01H	
61	ZOOM NAVIGATION	DFH	7BH	01H	
62	PICTURE FREEZE	DFH	7CH	01H	
63	PAUSE(PICTURE FREEZE) COMMAND	DFH	7DH	01H	
64	OSM CONTRAST	DFH	37H	01H	ISF
65	CC(closed caption)	DFH	3CH	01H	
66	PICTURE MEMORY	DFH	38H	01H	
67	PICTURE MEMORY SETTING	DFH	25H	01H	
68	PICTURE MEMORY NOTE WRITE SETTING	DFH	25H	02H	
69	SET UP LEVEL	DFH	35H	01H	

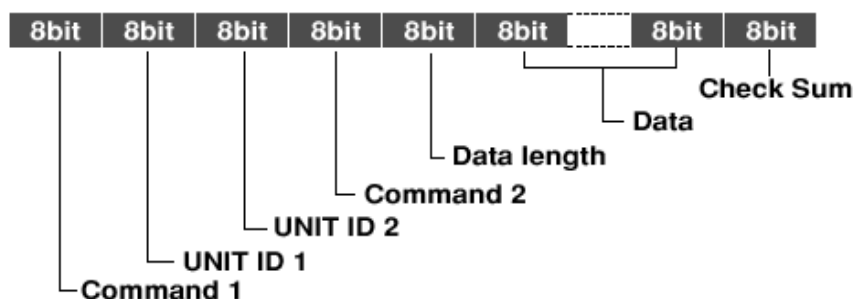
No.	Item	CMD1	CMD2	LEN	Notes
70	BACK GROUND	DFH	36H	01H	
71	PDP SAVER AUTO select	DFH	2CH	01H	
72	AUDIO HDMI INPUT Request	1FH	3AH	00H	
73	POWER ON MODE (INPUT)	DFH	63H	04H	
74	POWER ON MODE (VOLUME)	DFH	0FH	01H	
75	SUB PICTURE set	DFH	DAH	03H	
76	SUB PICTURE set	DFH	DAH	03H	
77	MULTI(SPLIT) SCREEN POWER ON MODE	DFH	33H	04H	
78	REMOTE ID CODE	DFH	2BH	01H	
79	VOLUME REQUEST	1FH	0EH	00H	

26. RS-232C Command List

Communication Parameters

- | | |
|--------------------------|--------------|
| (1) Communication system | Asynchronous |
| (2) Interface | RS-232C |
| (3) Baud rate | 9600 bps |
| (4) Data length | 8 bits |
| (5) Parity | Odd |
| (6) Stop bit | 1 bit |
| (7) Communication code | Hex |

Communication Format



No.	Item	CMD1	CMD2	LEN	Notes
1	Power ON	9FH	4EH	00H	
2	Power OFF	9FH	4FH	00H	
3	Input Switch Change	DFH	47H	01H	
4	VOLUME Gain Data	DFH	7FH	03H	
5	AUDIO Mute ON	9FH	3EH	00H	
6	AUDIO Mute OFF	9FH	3FH	00H	
7	CONTRAST Gain Data	DFH	7FH	03H	ISF
8	BRIGHT Gain Data	DFH	7FH	03H	ISF
9	SHARPNESS Gain Data	DFH	7FH	03H	ISF
10	Color Gain Data	DFH	7FH	03H	ISF
11	TINT Gain Data	DFH	7FH	03H	ISF
12	PICTURE MODE Select	DFH	0AH	01H	
13	COLOR TEMP SELECT	DFH	00H	01H	
14	RED Gain Data	DFH	7FH	04H	ISF
15	GREEN Gain Data	DFH	7FH	04H	ISF
16	BLUE Gain Data	DFH	7FH	04H	ISF
17	NR MODE Set	DFH	C0H	01H	ISF
18	BASS Gain Data	DFH	7FH	03H	
19	TREBLE Gain Data	DFH	7FH	03H	
20	BALANCE Gain Data	DFH	7FH	03H	
21	SCREEN MODE Select	DFH	51H	01H	
22	V.POSITION Gain Data	DFH	7FH	03H	ISF
23	H.POSITION Gain Data	DFH	7FH	03H	ISF
24	V-HEIGHT Gain Data	DFH	7FH	03H	ISF

No.	Item	CMD1	CMD2	LEN	Notes
25	H-WIDTH Gain Data	DFH	7FH	03H	ISF
26	AUTO PICTURE Select	DFH	7FH	03H	ISF
27	PHASE Gain Data	DFH	7FH	03H	ISF
28	CLOCK Gain Data	DFH	7FH	03H	ISF
29	OSM ADJ. Gain Data	DFH	1AH	02H	
30	POWER MGT Select	DFH	1AH	02H	
31	GRAY LEVEL Set	DFH	C6H	01H	
32	CINEMA MODE Set	DFH	C1H	01H	
33	LONG LIFE Set	DFH	6BH	03H	ISF
34	SCREEN WIPER Set	DFH	C8H	04H	ISF
35	ALL RESET	1FH	54H	00H	
36	Audio Select Set	DFH	70H	02H	
37	DVD/HD1 INPUT	DFH	8CH	01H	
38	RGB Select	DFH	8BH	01H	
39	HD Select	DFH	8AH	01H	
40	LANGUAGE Select	DFH	5BH	01H	
41	COLOR SYSTEM Select	DFH	5CH	01H	
42	FREQUENCY Request	1FH	26H	00H	
43	Input MODE Request	1FH	41H	00H	
44	VIDEO ADJ Request	1FH	45H	00H	
45	Audio Select Request	1FH	6FH	00H	
46	Failure Mode Request	1FH	3FH	00H	
47	MODEL NAME Request	1FH	17H	00H	
48	D-SUB INPUT	DFH	8DH	01H	
49	LOW TONE	DFH	0CH	01H	ISF
50	COLOR TUNE	DFH	0DH	08H	ISF
51	GAMMA Gain Data	DFH	13H	04H	ISF
52	Running Sense	1FH	88H	00H	
53	OSM ORBITER	DFH	5FH	01H	
54	Input Skip	5FH	61H	01H	
55	SERIAL No. Request	1FH	15H	00H	
56	S1/S2 Select	DFH	89H	01H	
57	SOFT FOCUS Select	DFH	65H	01H	ISF
58	BLACK LEVEL(HDMI SET UP)	DFH	8FH	01H	
59	Multi (Sprit) Screen Select	DFH	07H	01H	
60	SUB PICTURE DETECT	DFH	7AH	01H	
61	ZOOM NAVIGATION	DFH	7BH	01H	
62	PICTURE FREEZE	DFH	7CH	01H	
63	PAUSE(PICTURE FREEZE) COMMAND	DFH	7DH	01H	
64	OSM CONTRAST	DFH	37H	01H	ISF
65	CC(closed caption)	DFH	3CH	01H	
66	PICTURE MEMORY	DFH	38H	01H	
67	PICTURE MEMORY SETTING	DFH	25H	01H	
68	PICTURE MEMORY NOTE WRITE SETTING	DFH	25H	02H	
69	SET UP LEVEL	DFH	35H	01H	

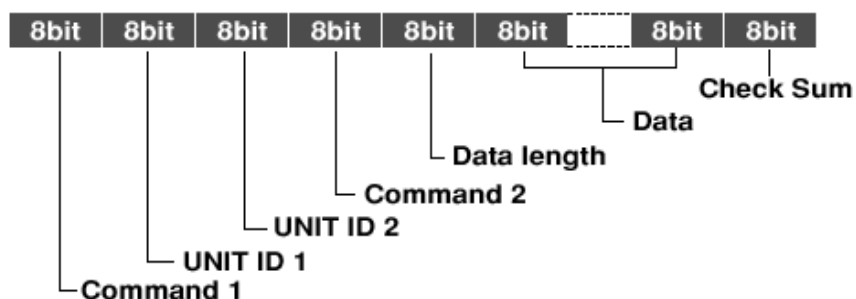
No.	Item	CMD1	CMD2	LEN	Notes
70	BACK GROUND	DFH	36H	01H	
71	PDP SAVER AUTO select	DFH	2CH	01H	
72	AUDIO HDMI INPUT Request	1FH	3AH	00H	
73	POWER ON MODE (INPUT)	DFH	63H	04H	
74	POWER ON MODE (VOLUME)	DFH	0FH	01H	
75	SUB PICTURE set	DFH	DAH	03H	
76	SUB PICTURE set	DFH	DAH	03H	
77	MULTI(SPLIT) SCREEN POWER ON MODE	DFH	33H	04H	
78	REMOTE ID CODE	DFH	2BH	01H	
79	VOLUME REQUEST	1FH	0EH	00H	

26. RS-232C Command List

Communication Parameters

- | | |
|--------------------------|--------------|
| (1) Communication system | Asynchronous |
| (2) Interface | RS-232C |
| (3) Baud rate | 9600 bps |
| (4) Data length | 8 bits |
| (5) Parity | Odd |
| (6) Stop bit | 1 bit |
| (7) Communication code | Hex |

Communication Format



No.	Item	CMD1	CMD2	LEN	Notes
1	Power ON	9FH	4EH	00H	
2	Power OFF	9FH	4FH	00H	
3	Input Switch Change	DFH	47H	01H	
4	VOLUME Gain Data	DFH	7FH	03H	
5	AUDIO Mute ON	9FH	3EH	00H	
6	AUDIO Mute OFF	9FH	3FH	00H	
7	CONTRAST Gain Data	DFH	7FH	03H	ISF
8	BRIGHT Gain Data	DFH	7FH	03H	ISF
9	SHARPNESS Gain Data	DFH	7FH	03H	ISF
10	Color Gain Data	DFH	7FH	03H	ISF
11	TINT Gain Data	DFH	7FH	03H	ISF
12	PICTURE MODE Select	DFH	0AH	01H	
13	COLOR TEMP SELECT	DFH	00H	01H	
14	RED Gain Data	DFH	7FH	04H	ISF
15	GREEN Gain Data	DFH	7FH	04H	ISF
16	BLUE Gain Data	DFH	7FH	04H	ISF
17	NR MODE Set	DFH	C0H	01H	ISF
18	BASS Gain Data	DFH	7FH	03H	
19	TREBLE Gain Data	DFH	7FH	03H	
20	BALANCE Gain Data	DFH	7FH	03H	
21	SCREEN MODE Select	DFH	51H	01H	
22	V.POSITION Gain Data	DFH	7FH	03H	ISF
23	H.POSITION Gain Data	DFH	7FH	03H	ISF
24	V-HEIGHT Gain Data	DFH	7FH	03H	ISF

No.	Item	CMD1	CMD2	LEN	Notes
25	H-WIDTH Gain Data	DFH	7FH	03H	ISF
26	AUTO PICTURE Select	DFH	7FH	03H	ISF
27	PHASE Gain Data	DFH	7FH	03H	ISF
28	CLOCK Gain Data	DFH	7FH	03H	ISF
29	OSM ADJ. Gain Data	DFH	1AH	02H	
30	POWER MGT Select	DFH	1AH	02H	
31	GRAY LEVEL Set	DFH	C6H	01H	
32	CINEMA MODE Set	DFH	C1H	01H	
33	LONG LIFE Set	DFH	6BH	03H	ISF
34	SCREEN WIPER Set	DFH	C8H	04H	ISF
35	ALL RESET	1FH	54H	00H	
36	Audio Select Set	DFH	70H	02H	
37	DVD/HD1 INPUT	DFH	8CH	01H	
38	RGB Select	DFH	8BH	01H	
39	HD Select	DFH	8AH	01H	
40	LANGUAGE Select	DFH	5BH	01H	
41	COLOR SYSTEM Select	DFH	5CH	01H	
42	FREQUENCY Request	1FH	26H	00H	
43	Input MODE Request	1FH	41H	00H	
44	VIDEO ADJ Request	1FH	45H	00H	
45	Audio Select Request	1FH	6FH	00H	
46	Failure Mode Request	1FH	3FH	00H	
47	MODEL NAME Request	1FH	17H	00H	
48	D-SUB INPUT	DFH	8DH	01H	
49	LOW TONE	DFH	0CH	01H	ISF
50	COLOR TUNE	DFH	0DH	08H	ISF
51	GAMMA Gain Data	DFH	13H	04H	ISF
52	Running Sense	1FH	88H	00H	
53	OSM ORBITER	DFH	5FH	01H	
54	Input Skip	5FH	61H	01H	
55	SERIAL No. Request	1FH	15H	00H	
56	S1/S2 Select	DFH	89H	01H	
57	SOFT FOCUS Select	DFH	65H	01H	ISF
58	BLACK LEVEL(HDMI SET UP)	DFH	8FH	01H	
59	Multi (Sprit) Screen Select	DFH	07H	01H	
60	SUB PICTURE DETECT	DFH	7AH	01H	
61	ZOOM NAVIGATION	DFH	7BH	01H	
62	PICTURE FREEZE	DFH	7CH	01H	
63	PAUSE(PICTURE FREEZE) COMMAND	DFH	7DH	01H	
64	OSM CONTRAST	DFH	37H	01H	ISF
65	CC(closed caption)	DFH	3CH	01H	
66	PICTURE MEMORY	DFH	38H	01H	
67	PICTURE MEMORY SETTING	DFH	25H	01H	
68	PICTURE MEMORY NOTE WRITE SETTING	DFH	25H	02H	
69	SET UP LEVEL	DFH	35H	01H	

No.	Item	CMD1	CMD2	LEN	Notes
70	BACK GROUND	DFH	36H	01H	
71	PDP SAVER AUTO select	DFH	2CH	01H	
72	AUDIO HDMI INPUT Request	1FH	3AH	00H	
73	POWER ON MODE (INPUT)	DFH	63H	04H	
74	POWER ON MODE (VOLUME)	DFH	0FH	01H	
75	SUB PICTURE set	DFH	DAH	03H	
76	SUB PICTURE set	DFH	DAH	03H	
77	MULTI(SPLIT) SCREEN POWER ON MODE	DFH	33H	04H	
78	REMOTE ID CODE	DFH	2BH	01H	
79	VOLUME REQUEST	1FH	0EH	00H	