Table 1-1 External Command support list - Command Mnemonic - For BDP-170

BDP-170
  NOTE 1 : 232C is not support.

Y:Supported, N:Not supported

No.	Command Name	Command Mnemonic	Support 232C	IP	Remarks (The difference from the former models or ideal specification) in V01.01
1	Power On	PN	N	Y*	*Only when "Quick Start" is On.
2	Power Off	PF	N	Y	
3	Open	OP	N	Y	Return "R" while tray is moving.
4	Close	CO	N	Y	Return "R" while tray is moving.
5	Stop	99RJ	N	Y	Not support in a key lock state.
6	Play	PL	N	Y	Return "R" when in no disc state after playback of any disc and pc files. (Not "E04".)
8	Still	ST	N	Y	
9	Step Forward	SF	N	Y	1) When Scan or Slow, it does not move to "Pause state" In that case, it moves into "Slow Forward/reverse" 2) Return "R", when in stop state. (Not "E04".)
11	Stop Scan	NS	N	Y	
20	Key Lock	(arg)KL	N	Y	
22	Current Address Request	?A	N	Y	1) Index number is always "00" 2) Return the elapsed time from the beggining of 1st track for CD-DA, DTS-CD, SACD. (Not the elapsed time for the current track.) 3) Return value depends on the way of displaying the elapsed time on function menu screen.
23	Title/Track Number	?R	N	Y	
24	Chapter Number Request	?C	N	Y	
25	Time Code Request	?T	N	Y	1) Return the elapsed time from the beggining of 1st track for CD-DA, DTS-CD, SACD. (Not the elapsed time for current track.) 2) Return value depends on the way of displaying the elapsed time on function menu screen.
26	Index Number Request	?I	N	Y	1) Index number is always "00"
27	DVD Disc Status Request	?V	N	Y	1) "1XXXX" is returned when chapter/time search disabled disc is played back 2) Return "E04" when in tray open state or while tray is moving. (Not "XXXXX".)
28	BD Disc Status Request	?J	N	Y	1) "1XX11" is returned when chapter/time search disabled disc is played back 2) Return "E04" when in tray open state or while tray is moving. (Not "XXXXX".)
29	Get Information	?D	N	Y	
30	CD Disc Status Request	?K	N	Y	1) Return "00000000" during DVD playback, (Not "E04".) 2) Return the current track number and the current playback time during playback CD-DA, DTS-CD and SACD. (Not total track number and total time.)
31	Player Active Mode	?P	N	Y	
32	Player Model Name	?L	N	Y	
33	Error Code Request	?E	N	Y	
34	Firmware Version	?Z	N	Y	
35	Slow	(arg)SW	N	Y*	*BDP doesn't support reverse slow/step.
36	Scan Forward	NF	N	Y	It does not move into maximum rate. It starts to minimum rate scan forward.
37	Scan Reverse	NR	N	Y	It does not move into maximum rate. It starts to minimum rate scan reverse.
42	Remote Control Button	/(arg)/RU	N	Y	

Table 2 External Command support list - RCU Code -

BDP-170
  NOTE 1 : 232C is not support.
  NOTE 2 : "R" is always return even if the player can not support the command.

Y:Supported, N:Not supported

No.	Remote Key	Remote Code	Support 232C	IP	Remarks
1	STANDBY/ON	A181AFBC	N	Y*	Same as STANDBY/ON-on remote. *Only when Quick Start is On
2	CONTINUED	A181AFAA	N	Y	Same as CONTINUED-on remote
3	OPEN/CLOSE	A181AFB6	N	Y	Same as OPEN/CLOSE-on remote
4	AUDIO	A181AFBE	N	Y	Same as AUDIO-on remote
5	SUBTITLE	A181AF36	N	Y	Same as SUBTITLE-on remote
6	DISPLAY	A181AFE3	N	Y	Same as DISPLAY-on remote
7	MEDIA GALLERY	A181AFF7	N	Y	Same as MEDIA GALLERY-on remote
8	CD/SACD	A181AF2A	N	Y	Same as CD/SACD-on remote
9	FL DIMMER	A181AFF9	N	Y	Same as FL DIMMER-on remote
10	REPEAT	A181AFE8	N	Y	Same as REPEAT-on remote
11	REPLAY	A181AF24	N	Y	Same as REPLAY-on remote
12	SHORT SKIP	A181AF25	N	Y	Same as SHORT SKIP-on remote
13	HDMI	A181AFFA	N	Y	Same as HDMI-on remote
14	YouTube	A181AF6B	N	Y	Same as YouTube-on remote (Except a Chinese model)
15	EXIT	A181AF20	N	Y	Same as EXIT-on remote
16	PREV	A181AF3E	N	Y	Same as PREV-on remote
17	STOP	A181AF38	N	Y	Same as STOP-on remote
18	NEXT/STEP/SLOW	A181AF3D	N	Y	Same as NEXT/STEP/SLOW-on remote
19	FAST REVERSE	A181AFEA	N	Y	Same as FAST REVERSE-on remote
20	PLAY/PAUSE	A181AF35	N	Y	Same as PLAY/PAUSE-on remote
21	FAST FORWARD	A181AFE9	N	Y	Same as FAST FORWARD-on remote
22	TOP MENU	A181AFB4	N	Y	Same as TOP MENU-on remote
23	POPUP MENU	A181AFB9	N	Y	Same as POPUP MENU-on remote
24	CURSOR UP	A184FFFF	N	Y	Same as CURSOR UP-on remote
25	CURSOR LEFT	A187FFFF	N	Y	Same as CURSOR LEFT-on remote
26	ENTER	A181AFEF	N	Y	Same as ENTER-on remote
27	CURSOR RIGHT	A186FFFF	N	Y	Same as CURSOR RIGHT-on remote
28	CURSOR DOWN	A185FFFF	N	Y	Same as CURSOR DOWN-on remote
29	HOME MENU	A181AFB0	N	Y	Same as HOME MENU-on remote
30	RETURN	A181AFF4	N	Y	Same as RETURN-on remote
31	COLOR 1 (PROGRAM)	A181AF60	N	Y	Same as COLOR 1 (PROGRAM)-on remote. Order will differ by the destination.(*1)
32	COLOR 2 (BOOKMARK)	A181AF61	N	Y	Same as COLOR 2 (BOOKMARK)-on remote. Order will differ by the
33	COLOR 3 (ZOOM)	A181AF63	N	Y	Same as COLOR 3 (ZOOM)-on remote. Order will differ by the destination.(*1)
34	COLOR 4 (INDEX)	A181AF62	N	Y	Same as COLOR 4 (INDEX)-on remote. Order will differ by the destination.(*1)
35	1	A181AFA1	N	Y	Same as 1-on remote
36	2	A181AFA2	N	Y	Same as 2-on remote
37	3	A181AFA3	N	Y	Same as 3-on remote
38	4	A181AFA4	N	Y	Same as 4-on remote
39	5	A181AFA5	N	Y	Same as 5-on remote
40	6	A181AFA6	N	Y	Same as 6-on remote
41	7	A181AFA7	N	Y	Same as 7-on remote
42	8	A181AFA8	N	Y	Same as 8-on remote
43	9	A181AFA9	N	Y	Same as 9-on remote
44	CLEAR	A181AFE5	N	Y	Same as CLEAR-on remote
45	0	A181AFA0	N	Y	Same as 0-on remote
46	FUNCTION	A181AFB3	N	Y	Same as FUNCTION-on remote
47	KEYLOCK	A181AF22	N	Y	Same as KEYLOCK-on remote
48	PLAY	A184AF39	N	Y	Playback only
49	PAUSE	A181AF3A	N	Y	Pause on/off only
50	ANGLE	A181AFB5	N	Y	Angle change for the Blu-ray and DVD disc
51	2nd VIDEO	A181AFBF	N	Y	The 2nd Video change for the Blu-ray disc
52	2nd AUDIO	A181AFBD	N	Y	The 2nd Audio change for the Blu-ray disc
53	A-B	A181AFE4	N	Y	A-B repeat (Except a image file)
54	Power ON	A181AFBA	N	Y*	Power on only. *Only when Quick Start is On
55	Power OFF	A181AFBB	N	Y	Power off only
56	Miracast	A181AF71	N	Y	Same as Miracast-on remote

*1 Japan model
  COLOR1 = BLUE(PROGRAM)
  COLOR2 = RED(BOOKMARK)
  COLOR3 = GREEN(ZOOM)
  COLOR4 = YELLOW(INDEX)

  North America model
  COLOR1 = RED(PROGRAM)
  COLOR2 = GREEN(BOOKMARK)
  COLOR3 = BLUE(ZOOM)
  COLOR4 = YELLOW(INDEX)

  The other model(include Europe and UK model)
  COLOR1 = RED(PROGRAM)
  COLOR2 = GREEN(BOOKMARK)
  COLOR3 = YELLOW(ZOOM)
  COLOR4 = BLUE(INDEX)

Annex A. RS232C setting (Normative)

A.1 Communication setting

Data length	8bits
Stop bit	1bit
Parity	None

A.2 Baud rate
  9600bps ONLY

A.3 Cable
  CROSS CABLE with D-Sub 9pins ONLY