

Here are RS232C Serial Commands for Toshiba's new HD DVD Player

serial communications protocol consists of start codes (4bytes), function code (2bytes), and reversal function code (2 bytes) for Toshiba HD DVD Player

Start code 0x45 and 0xB5

Example to send a pause code "00"

0x45,0xB5,0x00,0xFF

Example to send a Play code "15"

0x45,0xB5,0x15,0xEA

## HEX CODE BREAKOUT

RS232C protocol:

3 wire 9600bps /8 data bits /1 stop bit /no parity /no flow control

9 pin male D connector DB9

pin 2 is receive

pin 3 is transmit

pin 5 is signal ground

START CODE	FUNCTION CODE	REVERSE CODE	COMMAND	COMBINED
0x45,0xB5,	0x00,	0xFF	PAUSE/STEP	0x45,0xB5,0x00,0xFF
0x45,0xB5,	0x01,	0xFE	1	0x45,0xB5,0x01,0xFE
0x45,0xB5,	0x02,	0xFD	2	0x45,0xB5,0x02,0xFD
0x45,0xB5,	0x03,	0xFC	3	0x45,0xB5,0x03,0xFC
0x45,0xB5,	0x04,	0xFB	4	0x45,0xB5,0x04,0xFB
0x45,0xB5,	0x05,	0xFA	5	0x45,0xB5,0x05,0xFA
0x45,0xB5,	0x06,	0xF9	6	0x45,0xB5,0x06,0xF9
0x45,0xB5,	0x07,	0xF8	7	0x45,0xB5,0x07,0xF8
0x45,0xB5,	0x08,	0xF7	8	0x45,0xB5,0x08,0xF7
0x45,0xB5,	0x09,	0xF6	9	0x45,0xB5,0x09,0xF6
0x45,0xB5,	0x0A,	0xF5	0	0x45,0xB5,0x0A,0xF5
0x45,0xB5,	0x0D,	0xF2	SLOW	0x45,0xB5,0x0D,0xF2
0x45,0xB5,	0x12,	0xED	POWER ON/STANDBY	0x45,0xB5,0x12,0xED
0x45,0xB5,	0x13,	0xEC	FORWARD	0x45,0xB5,0x13,0xEC
0x45,0xB5,	0x14,	0xEB	STOP	0x45,0xB5,0x14,0xEB
0x45,0xB5,	0x15,	0xEA	PLAY	0x45,0xB5,0x15,0xEA
0x45,0xB5,	0x16,	0xE9	DISPLAY (NAVI)	0x45,0xB5,0x16,0xE9
0x45,0xB5,	0x19,	0xE6	REVIEW	0x45,0xB5,0x19,0xE6
0x45,0xB5,	0x1B,	0xE4	CANCEL	0x45,0xB5,0x1B,0xE4
0x45,0xB5,	0x20,	0xDF	SETUP	0x45,0xB5,0x20,0xDF
0x45,0xB5,	0x21,	0xDE	ENTER	0x45,0xB5,0x21,0xDE
0x45,0xB5,	0x22,	0xDD	RETURN	0x45,0xB5,0x22,0xDD
0x45,0xB5,	0x23,	0xDC	SKIP BACK	0x45,0xB5,0x23,0xDC
0x45,0xB5,	0x24,	0xDB	SKIP FORWARD	0x45,0xB5,0x24,0xDB
0x45,0xB5,	0x25,	0xDA	PLUS 10	0x45,0xB5,0x25,0xDA
0x45,0xB5,	0x26,	0xD9	T. SEARCH	0x45,0xB5,0x26,0xD9
0x45,0xB5,	0x27,	0xD8	AUDIO	0x45,0xB5,0x27,0xD8

0x45,0xB5,	0x28,	0xD7	SUBTITLE	0x45,0xB5,0x28,0xD7
0x45,0xB5,	0x29,	0xD6	ANGLE	0x45,0xB5,0x29,0xD6
0x45,0xB5,	0x2B,	0xD4	REPEAT (VCR=PLAY MODE)	0x45,0xB5,0x2B,0xD4
0x45,0xB5,	0x31,	0xCE	DOOR	0x45,0xB5,0x31,0xCE
0x45,0xB5,	0x32,	0xCD	TAB	0x45,0xB5,0x32,0xCD
0x45,0xB5,	0x33,	0xCC	CURSOR	0x45,0xB5,0x33,0xCC
0x45,0xB5,	0x34,	0xCB	A	0x45,0xB5,0x34,0xCB
0x45,0xB5,	0x35,	0xCA	B	0x45,0xB5,0x35,0xCA
0x45,0xB5,	0x36,	0xC9	C	0x45,0xB5,0x36,0xC9
0x45,0xB5,	0x37,	0xC8	D	0x45,0xB5,0x37,0xC8
0x45,0xB5,	0x38,	0xC7	RETURN FROM MENU (RESUME)	0x45,0xB5,0x38,0xC7
0x45,0xB5,	0x41,	0xBE	DIMMER	0x45,0xB5,0x41,0xBE
0x45,0xB5,	0x4D,	0xB2	RIGHT	0x45,0xB5,0x4D,0xB2
0x45,0xB5,	0x4E,	0xB1	I/P SELECTOR (RESOLUTION)	0x45,0xB5,0x4E,0xB1
0x45,0xB5,	0x51,	0xAE	LEFT	0x45,0xB5,0x51,0xAE
0x45,0xB5,	0x80,	0x7F	UP	0x45,0xB5,0x80,0x7F
0x45,0xB5,	0x81,	0x7E	DOWN	0x45,0xB5,0x81,0x7E
0x45,0xB5,	0x82,	0x7D	UPPER RIGHT	0x45,0xB5,0x82,0x7D
0x45,0xB5,	0x83,	0x7C	LOWER RIGHT	0x45,0xB5,0x83,0x7C
0x45,0xB5,	0x84,	0x7B	MENU	0x45,0xB5,0x84,0x7B
0x45,0xB5,	0x85,	0x7A	LOWER LEFT	0x45,0xB5,0x85,0x7A
0x45,0xB5,	0x86,	0x79	UPPER RIGHT	0x45,0xB5,0x86,0x79
0x45,0xB5,	0x92,	0x6D	POWER ON	0x45,0xB5,0x92,0x6D
0x45,0xB5,	0x93,	0x6C	POWER OFF	0x45,0xB5,0x93,0x6C
0x45,0xB5,	0x9F,	0x60	HDMI	0x45,0xB5,0x9F,0x60
0x45,0xB5,	0xDE,	0x21	TITLE (TOP MENU)	0x45,0xB5,0xDE,0x21
0x45,0xB5,	0xEF,	0x10	CLEAR	0x45,0xB5,0xEF,0x10
0x45,0xB5,	0xF5,	0x0A	OPEN/CLOSE	0x45,0xB5,0xF5,0x0A