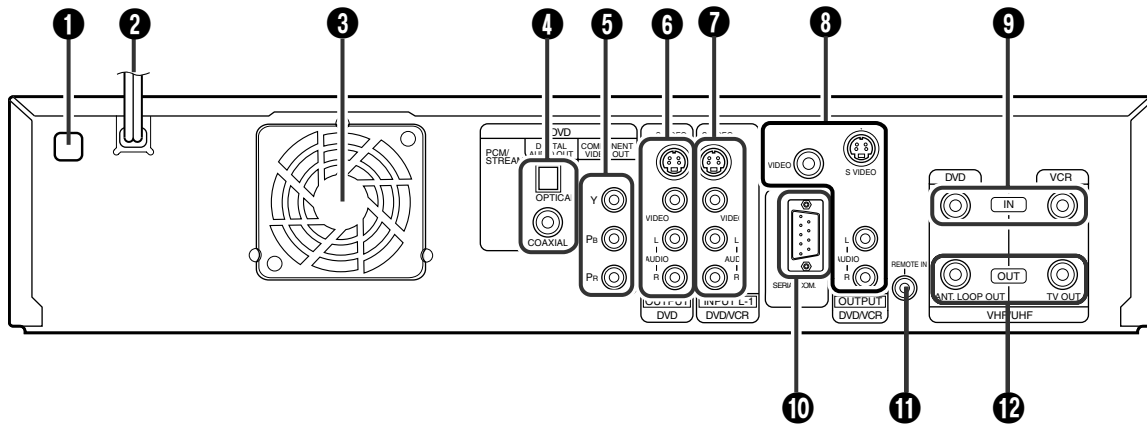


Rear View



- 1** Region Number Label (pg. 9)
- 2** AC Power Cord (pg. 17)
- 3** Cooling Fan
 - This prevents the temperature from rising inside the unit. Do not remove it.
 - Install the unit so as not to block the area around the fan.
 - The cooling fan on the rear of the unit may be activated even if the unit is turned off when "AUTO CLOCK" is set to "ON" (pg. 20).
- 4** Digital Audio Output Connectors [DIGITAL AUDIO OUT (COAXIAL/OPTICAL)] (DVD deck only) (pg. 65, 68)
- 5** Component Video Output Connectors [COMPONENT VIDEO OUT (Y/P_B/P_R)] (pg. 17)
 - This component video output enables you to watch the images on the VCR deck in Progressive scan mode, refer to "VHS Progressive Scan" (pg. 45).
- 6** S-video/Video/Audio Output Connectors [S-VIDEO/VIDEO/AUDIO OUTPUT] (DVD deck only) (pg. 17)
- 7** S-video/Video/Audio Input Connectors [S-VIDEO/VIDEO/AUDIO INPUT (L-1)] (pg. 64)
- 8** S-video/BNC Video/Audio Output Connectors [S-VIDEO/VIDEO/AUDIO OUTPUT] (pg. 17)
- 9** Antenna Input Connectors [VHF/UHF IN (DVD/VCR)] (pg. 17)
- 10** Serial Command Connector (D-SUB 9-PIN) [SERIAL COM.] (pg. 87)

For details on the RS-232C interface command, refer to page 87.
- 11** Remote In Connector* (REMOTE IN)

* There is currently no compatible remote control unit available.
- 12** Antenna Output Connectors [VHF/UHF OUT (ANT. LOOP. OUT/TV OUT)] (pg. 17)

RS-232C Interface – Command Table –

Lower Order-- Higher Order	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0											ACK	NAL				
1																
2																
3	VCR Selection								DVD Selection		PLAY					STOP
4																STILL
5																
6																
7																
8																
9																
A	Standby ON	Standby OFF		Eject								FF	REW			
B	Viss FWD	VISS Rev				Fwd Shtl	Rev Shtl								DateData Sense	TimeData Sense
C											Rec	Rec Pause				
D								Status Sense	Tc Data Sense	Ctl Data Sense				JVCDData Sense		
E																
F	Command Target										Rec/Dub Request					

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RS-232C Interface – Command –

• Operation Commands

Commands for operating VDR and VCR.

When data is properly received and corresponding command exists, OA (ACK) is replied and the corresponding operation is performed.

Command	Description
3A	Plays the selected deck.
3F	Stops the selected deck. Resume will be cleared when this is pressed while in the Stop mode. (DVD Deck) Rec Request will be cleared.
4F	Switches the selected deck to the Still mode.
AO	Power On
A1	Power Off
A3	Eject: DVD Deck: Opens/Closes tray. VCR Deck: Removes cassette.
AB	FF: DVD Deck: Functions only during playback. Activates forward search. Forward search speed increases in step of 2x, 4x, 8x and 16x via each operation. VCR Deck: Fast forward. Search Fwd during playback.
AC	REW: DVD Deck: Functions only during playback. Activates reverse search. Reverse search speed increases in step of 2x, 4x, 8x and 16x via each operation. VCR Deck: Rewind. Search Rev during playback.
BO	Viss Fwd: DVD Deck: Skips to the next chapter. VCR Deck: Fast forwards to the start position.
B1	Viss Rev: DVD Deck: Skips to the previous chapter. VCR Deck: Rewinds to the start position.
B5	Fwd Shtl: DVD Deck: Functions only during playback. Activates forward search. Forward search speed increases in step of 2x, 4x, 8x and 16x via each operation. VCR Deck: Fast forward. Search Fwd during playback.
B6	Rev Shtl: DVD Deck: Functions only during playback. Activates reverse search. Reverse search speed increases in step of 2x, 4x, 8x and 16x via each operation. VCR Deck: Rewind. Search Rev during playback.
CA	Rec: Starts recording at the selected deck when a Rec Request is received.
CB	Rec Pause: Switches the selected deck to the Rec Pause mode when a Rec Request is received.
FA	Rec Request: For issuing approval for recording. This can be cleared using STOP.

• Special Commands

Commands for continuous transmission. When sending of command fails, procedure starting from acquisition of command target will have to be performed again.

Command	Description
FO	Command Target: For issuing approval for receiving deck selection command.
30	Choice VCR: For selecting VCR deck.
38	Choice DVD: For selecting DVD deck.

• Data Collection Commands

A few bytes of information including the internal information of decks can be received when these commands are sent.

Command	Description
BE	Date Sense: For acquiring the currently configured year, month and day. (See below for data format.)
BF	Time Sense: For acquiring the currently configured hour, minute and second. (See below for data format.)
CB	Rec Pause: Switches the selected deck to the Rec Pause mode when a Rec Request is received.
D7	Status Sense: For acquiring the deck information. (See below for data format.)
D8	TC Data Sense: For acquiring the total remaining time in the current recording mode when there is a media in the selected deck. (See below for data format.)
D9	CTL Data Sense: For acquiring the lapse counter when there is a media in the selected deck. (See below for data format.)
DD	JVC Data Sense: Returns data from the unit. (See below for data format.)

Date Data Sense For acquiring the currently configured year, month and day in ASCII codes.

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Date Sense	Yr (Tens)	Yr (Ones)	Mth (Tens)	Mth (Ones)	Day (Tens)	Day (Ones)
BE	3*	3*	3*	3*	3*	3*
E.g. (2004.11.17)	30	34	31	31	31	37

When the current time is not set, the value is fixed as “—” (0x2D).

Time Data Sense For acquiring the currently configured hour, minute and second in ASCII codes.

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Time Sense	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)
BF	3*	3*	3*	3*	3*	3*
E.g. (12:34:56)	31	32	33	34	35	36

When the current time is not set, the value is fixed as “—” (0x2D).

TC Data Sense For acquiring the remaining time in the current recording mode in hours, minutes and seconds for DVDs, and hours and minutes for videos.

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte	7th Byte	8th Byte
TC Data Sense	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)	Frame (Tens)	Frame (Ones)
D8	3*	3*	3*	3*	3*	3*	3*	3*
E.g. (01:23:45)	30	3	32	33	34	35	30	30

E.g.: When remaining time is 1 hr 23 min 45 sec.
 VCR (hr and min only)
 DVD (hr, min and sec only)
 Frame is fixed as 0.

CTL Data Sense For acquiring lapse counter of selected deck in hours, minutes and seconds.

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte	7th Byte	8th Byte
CTL Data Sense	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)	Frame (Tens)	Frame (Ones)
D9	3*	3*	3*	3*	3*	3*	3*	3*
Eg. (01:23:45)	30	31	32	33	34	35	30	30

E.g.: When time lapse counter is 1 hr 23 min 45 sec.

D7 STATUS SENSE	1byte	2byte	3byte	4byte	5byte
bit7	1 (Fixed)	0 (Fixed)	0 (Fixed)	During PLAY	During PAUSE
bit6	0 (Fixed)	0 (Fixed)	0 (Fixed)	During FF	0 (Fixed)
bit5	0 (Fixed)	0 (Fixed)	0 (Fixed)	During REW	During Shuttle Search Forward
bit4	Record Forbidden	0 (Fixed)	0 (Fixed)	During STOP	During Shuttle Search Reverse
bit3	Cassette Not Inserted	0 (Fixed)	0 (Fixed)	During STANDBY	0 (Fixed)
bit2	0 (Fixed)	0 (Fixed)	0 (Fixed)	During CASSETTE EJECT	0 (Fixed)
bit1	0 (Fixed)		0 (Fixed)	During REC	0 (Fixed)
bit0	0 (Fixed)		0 (Fixed)	0 (Fixed)	0 (Fixed)

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DD JVC SENSE	1byte	2byte	3byte	4byte
bit7	1 (Fixed)	0 (Fixed)	0 (Fixed)	1 (Fixed)
bit6	0 (Fixed)	0 (Fixed)	0 (Fixed)	1 (Fixed)
bit5	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit4	During Playback of LP Recorded Tape	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit3	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit2	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit1	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit0	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)