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		Complete	Error	Cassette Out		Not Target					ACK	NAK				
1																
2																
3	VCR Selection								DVD Selection		Play					Stop
4																Still
5							Clear									
6	Chapter Sense	Title Sense														
7																
8	Chapter Search	Title Search													Date Preset	Clock Preset
9	Finalize	Cancel-Disc Finaliza-tion	DiscErase	TOP MENU	MENU	NEXT CHAPTER	PREV CHAPTER	Setup	SET	UP	DOWN	RIGHT	LEFT	Next Title	Prev Title	Remote Data
A	Standby On	Standby Off		Eject								FF	REW	Fwd Field Step	Rev Field Step	
B	Viss Fwd	Viss Rev				Fwd Shtl	Rev Shtl		Select Preset	Select Sense					Date Data Sense	ClockData Sense
C											Rec	Rec Pause				
D								Status Sense	Tc Data Sense	CTL Data Sense				JVCStatus Sense		
E																
F	Command Target										Rec/Dub Request					

# RS-232C Interface – Specifications –

● **9PIN D-Sub**

This unit
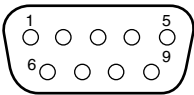
PIN No.	Signal	Operation	Direction of signal
2	TxD	Transmit data	This unit→PC
3	RxD	Receive data	This unit←PC
5	GND	Signal grounding	

Mode : Non-synchronous
Character length : 8 bits
Parity : Odd
Start bit : 1
Stop bit : 1
Data rate : 9600bps
Bit configuration
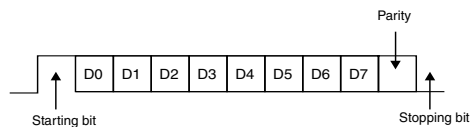
NOTES:
● When using the Serial Command Connector, the cable to be used should be a RS-232C interface cable (straight type).
● It takes about 10 seconds for the communication to be established after turning on the unit.
● During command transmission, a minimum interval of 50 mm/second is required between each command.

RS-232C Interface – Command –

● **Operation Commands**

Commands for operating functions such as PLAY and REC on the DVD and VCR deck.

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.
80	Searches the specified chapter and starts playback from the beginning. (DVD Deck) See page 76 for data format.
81	Searches the specified title and starts playback from the beginning. (DVD Deck) See page 76 for data format.
8E	For setting the date. See page 76 for data format.
8F	For setting the time. See page 76 for data format.
90	Finalizes the disc. (DVD Deck)
91	Cancels disc finalization. (DVD Deck)
92	For erasing rewritable discs. (DVD Deck)
93	Displays/Closes the top menu of a disc. (DVD Deck)
94	Displays/Closes the disc menu. (DVD Deck)
95	Advances to the next chapter. Functions like the ►►I button on the remote control. (DVD Deck)
96	Returns to the previous chapter. Functions like the I◄◄ button on the remote control. (DVD Deck)
97	Displays/Closes the Main Menu and Library Database DVD Navi screen. 97 → 30: Closes the screen. 97 → 31: Displays the Main Menu screen. 97 → 32: Displays the Library Database DVD Navi screen. (DVD Deck)
98	Functions as a confirmation key.
99	Functions as an up key.
9A	Functions as a down key.
9B	Functions as a right key.
9C	Functions as a left key.
9D	Advances to the next title. Functions like the ►►I button on the remote control. (DVD Deck)
9E	Returns to the previous title. Functions like the I◄◄ button on the remote control. (DVD Deck)
9F	Issues the same codes as the wired remote control via RS-232C. Prolonged keypress for VCR deck operations are not allowed. See page 77 for the remote control codes.
A0	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. For details on the search speed, refer to "Variable Speed Search" (☞ pg. 21). VCR Deck: Fast forward. Search Fwd during playback. For details on the search speed, refer to "Variable Speed Search" (☞ pg. 34).
AC	REW: DVD Deck: Functions only during playback. Activates reverse search. For details on the search speed, refer to "Variable Speed Search" (☞ pg. 21). VCR Deck: Rewind. Search Rev during playback. For details on the search speed, refer to "Variable Speed Search" (☞ pg. 34).

Command	Description
AD	Functions as a key for advancing (FWD) a frame. When this command is received during still mode, the unit advances the still picture by one frame (or field) in the FWD direction.
AE	Functions as a key for reversing (REV) a frame. When this command is received during still mode, the unit reverses the still picture by one frame (or field) in the REV direction.
B0	Viss Fwd: Fast forwards to the start position. (VCR Deck)
B1	Viss Rev: Rewinds to the start position. (VCR Deck)
B5	Fwd Shtl: Functions only during playback. Activates forward search. DVD Deck: B5 → 30: STILL B5 → 31: FWD SLOW at a slower speed. B5 → 32: FWD SLOW at a slow speed. B5 → 33: FWD SLOW at a fast speed. B5 → 35: 1x B5 → 36: FWD SEARCH at a fast speed. B5 → 37: FWD SEARCH at a faster speed. B5 → 38: FWD SEARCH at the fastest speed. B5 → 39: FWD SEARCH at the most fastest speed. VCR Deck: B5 → 30: STILL B5 → 31: FWD SLOW at a slow speed. B5 → 33: FWD SLOW at a fast speed. B5 → 35: 1x B5 → 36: FWD SEARCH at a fast speed. B5 → 37: FWD SEARCH at a faster speed. B5 → 38: FWD SEARCH at the fastest speed.
B6	Rev Shtl: Functions only during playback. Activates reverse search. DVD Deck: B6 → 30: STILL B6 → 31: REV SLOW at a slower speed. B6 → 32: REV SLOW at a slow speed. B6 → 33: REV SLOW at a fast speed. B6 → 35: −1x B6 → 36: REV SEARCH at a fast speed. B6 → 37: REV SEARCH at a faster speed. B6 → 38: REV SEARCH at the fastest speed. B6 → 39: REV SEARCH at the most fastest speed. VCR Deck: B6 → 30: STILL B6 → 31: REV SLOW at a slow speed. B6 → 33: REV SLOW at a fast speed. B6 → 35: −1x B6 → 36: REV SEARCH at a fast speed. B6 → 37: REV SEARCH at a faster speed. B6 → 38: REV SEARCH at the fastest speed.
B8	For setting the input, recording mode, audio language selection and subtitle selection. See pages 78 - 80 for data format.
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.
F0	Command Target: F0 → 30: For selecting VCR deck. F0 → 38: For selecting DVD deck.
FA	Rec Request: For issuing approval for recording. This can be cleared using STOP.

80: Chapter Search

	1st Byte	2nd Byte	3rd Byte
Chapter Search	Hundreds	Tens	Ones
ASCII codes (30 - 39)	3*	3*	3*
E.g. (012)	30	31	32

E.g.: When searching the 12th chapter.

81: Title Search under "ORIGINAL"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title Search (ORIGINAL)	30	Hundreds	Tens	Ones
ASCII codes (30 - 39)	30	3*	3*	3*
E.g. (045)	30	30	34	35

E.g.: When searching the 45th title.

81: Title Search in "PLAY LIST"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title Search (PLAY LIST)	38	Hundreds	Tens	Ones
ASCII codes (30 - 39)	38	3*	3*	3*
E.g. (028)	38	30	32	38

E.g.: When searching the 28th play list.

8E: Date Preset

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Date Preset	Mth (Tens)	Mth (Ones)	Day (Tens)	Day (Ones)	Yr (Tens)	Yr (Ones)
ASCII code (30 - 39)	3*	3*	3*	3*	3*	3*
E.g. (01.17.2006)	30	31	31	37	30	36

E.g.: When setting the date to January 17 2006.

8F: Clock Preset

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Clock Preset	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)
ASCII code (30 - 39)	3*	3*	3*	3*	3*	3*
E.g. (12:34:56)	31	32	33	34	35	36

E.g.: When setting the time to 12 hrs 34 min and 56 sec.

9F: Remote Data — The remote control codes for controlling the VTR (similar to wired remote control) via RS-232C are as shown in the following table. The codes apply to both DVD and VCR deck unless otherwise stated.

Code	Items	Remarks	Code	Items	Remarks
03	STOP/CLEAR		88	TBC ON/OFF	VCR Deck only
04	EJECT	VCR Deck only	8E	ON SCREEN	
06	S.FWD/SLOW+		90	MEMORY/MARK	DVD Deck only
07	S.REV/SLOW–		96	CM SKIP	
08	FWD SLOW 1/6	VCR Deck only	97	DV INPUT	DVD Deck only
0B	POWER ON/OFF		AF	REV FRAME	
0C	PLAY/SELECT		B0	–SLOW D	DVD Deck only
0D	PAUSE		B1	SHUTTLE –C	
14	NEXT/►►I/INDEX +1		B2	SHUTTLE –B	
15	PREVIOUS/I◄◄/INDEX –1		B3	SHUTTLE –A	
17	AUDIO		B4	SHUTTLE –2	
18	INPUT –		B5	SHUTTLE –1	
19	INPUT +		B6	–SLOW B	
1E	ON SCREEN	VCR Deck only	B7	–SLOW C	
20	TEN KEY 0/AUX/SPACE		B8	+SLOW C	
21	TEN KEY 1		B9	+SLOW B	
22	TEN KEY 2/ABC		BA	SHUTTLE +1	
23	TEN KEY 3/DEF		BB	SHUTTLE +2	
24	TEN KEY 4/GHI	DVD Deck only	BC	SHUTTLE +A	
25	TEN KEY 5/JKL		BD	SHUTTLE +B	
26	TEN KEY 6/MNO		BE	SHUTTLE +C	
27	TEN KEY 7/PQRS		BF	+SLOW D	DVD Deck only
28	TEN KEY 8/TUV		C0	ANGLE/LIVE CHECK	
29	TEN KEY 9/WXYZ		C4	SUBTITLE	DVD Deck only
31	REMAIN/REC MODE		CC	REC	
36	CANCEL		CD	REC PAUSE	
37	SET UP		CE	INDEX +1	VCR Deck only
38	DISPLAY		CF	INDEX –1	
39	COUNTER RESET	VCR Deck only	D0	REV SLOW 1/6	
3C	ENTER		D4	RETURN	
3D	FINALIZE	DVD Deck only	D6	VCR/DVD	
40	AUTO TRACKING ON/OFF	VCR Deck only	D8	JOG –1	DVD Deck only
41	TRACKING +		D9	JOG –1/2	
42	TRACKING –		DA	JOG +1/2	
43	VCR DECK	DVD Deck only	DB	JOG +1	
44	DVD DECK	VCR Deck only	DC	INSTANT REPLAY	
7C	SP		E0	TOP MENU/NAVIGATION	DVD Deck only
7D	LP		E1	L1 Y/C INPUT SELECT	
80	CURSOR ▷		E2	L1 COMPOSITE INPUT SELECT	
81	MENU	DVD Deck only	EA	AUX(L-1) SELECT	VCR Deck only
82	CURSOR △		EC	F-1 Y/C INPUT SELECT	
84	CURSOR ◁		ED	FWD FRAME	
86	CURSOR ▽		EE	F-1 COMPOSITE INPUT SELECT	
87	OPEN/CLOSE	DVD Deck only			

B8: Input Selection

		1st Byte	2nd Byte
	L-1 VIDEO	30	31
	L-1 S-VIDEO	30	39
External input selection	F-1 VIDEO	30	35
	F-1 S-VIDEO	30	3D
	DV	30	34

B8: Recording Mode Selection

	1st Byte	2nd Byte		1st Byte	2nd Byte		1st Byte	2nd Byte
XP	34	30	FR150	34	93	FR265	34	AA
SP	34	31	FR155	34	94	FR270	34	AB
LP	34	32	FR160	34	95	FR275	34	AC
EP	34	33	FR165	34	96	FR280	34	AD
DV	34	38	FR170	34	97	FR285	34	AE
FR60	34	81	FR175	34	98	FR290	34	AF
FR65	34	82	FR180	34	99	FR295	34	B0
FR70	34	83	FR185	34	9A	FR300	34	B1
FR75	34	84	FR190	34	9B	FR305	34	B2
FR80	34	85	FR195	34	9C	FR310	34	B3
FR85	34	86	FR200	34	9D	FR315	34	B4
FR90	34	87	FR205	34	9E	FR320	34	B5
FR95	34	88	FR210	34	9F	FR325	34	B6
FR100	34	89	FR215	34	A0	FR330	34	B7
FR105	34	8A	FR220	34	A1	FR335	34	B8
FR110	34	8B	FR225	34	A2	FR340	34	B9
FR115	34	8C	FR230	34	A3	FR345	34	BA
FR120	34	8D	FR235	34	A4	FR350	34	BB
FR125	34	8E	FR240	34	A5	FR355	34	BC
FR130	34	8F	FR245	34	A6	FR360	34	BD
FR135	34	90	FR250	34	A7	FR420	34	C9
FR140	34	91	FR255	34	A8	FR480	34	D5
FR145	34	92	FR260	34	A9			

B8: Audio Language Selection

	1st Byte	2nd Byte		1st Byte	2nd Byte		1st Byte	2nd Byte
ENGLISH	39	11	HI	39	3F	RM	39	6D
GERMAN	39	12	HR	39	40	RN	39	6E
FRENCH	39	13	HU	39	41	RO	39	6F
ITALIAN	39	14	HY	39	42	RU	39	70
SPANISH	39	15	IA	39	43	RW	39	71
DUTCH	39	16	IE	39	44	SA	39	72
SWEDISH	39	17	IK	39	45	SD	39	73
NORWEGIAN	39	18	IN	39	46	SG	39	74
FINNISH	39	19	IS	39	47	SH	39	75
DANISH	39	1A	IW	39	48	SI	39	76
JAPANESE	39	1B	JI	39	49	SK	39	77
AA	39	1C	JW	39	4A	SL	39	78
AB	39	1D	KA	39	4B	SM	39	79
AF	39	1E	KK	39	4C	SN	39	7A
AM	39	1F	KL	39	4D	SO	39	7B
AR	39	20	KM	39	4E	SQ	39	7C
AS	39	21	KN	39	4F	SR	39	7D
AY	39	22	KO	39	50	SS	39	7E
AZ	39	23	KS	39	51	ST	39	7F
BA	39	24	KU	39	52	SU	39	80
BE	39	25	KY	39	53	SW	39	81
BG	39	26	LA	39	54	TA	39	82
BH	39	27	LN	39	55	TE	39	83
BI	39	28	LO	39	56	TG	39	84
BN	39	29	LT	39	57	TH	39	85
BO	39	2A	LV	39	58	TI	39	86
BR	39	2B	MG	39	59	TK	39	87
CA	39	2C	MI	39	5A	TL	39	88
CO	39	2D	MK	39	5B	TN	39	89
CS	39	2E	ML	39	5C	TO	39	8A
CY	39	2F	MN	39	5D	TR	39	8B
DZ	39	30	MO	39	5E	TS	39	8C
EL	39	31	MR	39	5F	TT	39	8D
EO	39	32	MS	39	60	TW	39	8E
ET	39	33	MT	39	61	UK	39	8F
EU	39	34	MY	39	62	UR	39	90
FA	39	35	NA	39	63	UZ	39	91
FJ	39	36	NE	39	64	VI	39	92
FO	39	37	OC	39	65	VO	39	93
FY	39	38	OM	39	66	WO	39	94
GA	39	39	OR	39	67	XH	39	95
GD	39	3A	PA	39	68	YO	39	96
GL	39	3B	PL	39	69	ZH	39	97
GN	39	3C	PS	39	6A	ZU	39	98
GU	39	3D	PT	39	6B			
HA	39	3E	QU	39	6C			

See "Language Code List" (☞ pg. 70).

B8: Subtitle Selection

	1st Byte	2nd Byte		1st Byte	2nd Byte		1st Byte	2nd Byte
OFF	3C	10	HA	3C	3E	QU	3C	6C
ENGLISH	3C	11	HI	3C	3F	RM	3C	6D
GERMAN	3C	12	HR	3C	40	RN	3C	6E
FRENCH	3C	13	HU	3C	41	RO	3C	6F
ITALIAN	3C	14	HY	3C	42	RU	3C	70
SPANISH	3C	15	IA	3C	43	RW	3C	71
DUTCH	3C	16	IE	3C	44	SA	3C	72
SWEDISH	3C	17	IK	3C	45	SD	3C	73
NORWEGIAN	3C	18	IN	3C	46	SG	3C	74
FINNISH	3C	19	IS	3C	47	SH	3C	75
DANISH	3C	1A	IW	3C	48	SI	3C	76
JAPANESE	3C	1B	JI	3C	49	SK	3C	77
AA	3C	1C	JW	3C	4A	SL	3C	78
AB	3C	1D	KA	3C	4B	SM	3C	79
AF	3C	1E	KK	3C	4C	SN	3C	7A
AM	3C	1F	KL	3C	4D	SO	3C	7B
AR	3C	20	KM	3C	4E	SQ	3C	7C
AS	3C	21	KN	3C	4F	SR	3C	7D
AY	3C	22	KO	3C	50	SS	3C	7E
AZ	3C	23	KS	3C	51	ST	3C	7F
BA	3C	24	KU	3C	52	SU	3C	80
BE	3C	25	KY	3C	53	SW	3C	81
BG	3C	26	LA	3C	54	TA	3C	82
BH	3C	27	LN	3C	55	TE	3C	83
BI	3C	28	LO	3C	56	TG	3C	84
BN	3C	29	LT	3C	57	TH	3C	85
BO	3C	2A	LV	3C	58	TI	3C	86
BR	3C	2B	MG	3C	59	TK	3C	87
CA	3C	2C	MI	3C	5A	TL	3C	88
CO	3C	2D	MK	3C	5B	TN	3C	89
CS	3C	2E	ML	3C	5C	TO	3C	8A
CY	3C	2F	MN	3C	5D	TR	3C	8B
DZ	3C	30	MO	3C	5E	TS	3C	8C
EL	3C	31	MR	3C	5F	TT	3C	8D
EO	3C	32	MS	3C	60	TW	3C	8E
ET	3C	33	MT	3C	61	UK	3C	8F
EU	3C	34	MY	3C	62	UR	3C	90
FA	3C	35	NA	3C	63	UZ	3C	91
FJ	3C	36	NE	3C	64	VI	3C	92
FO	3C	37	OC	3C	65	VO	3C	93
FY	3C	38	OM	3C	66	WO	3C	94
GA	3C	39	OR	3C	67	XH	3C	95
GD	3C	3A	PA	3C	68	YO	3C	96
GL	3C	3B	PL	3C	69	ZH	3C	97
GN	3C	3C	PS	3C	6A	ZU	3C	98
GU	3C	3D	PT	3C	6B			

See "Language Code List" (☞ pg. 70).

● **System Commands**
Commands relating to RS-232C control system.

Command	Description
01	Complete: Issued by the VTR upon completing all specified operations by commands such as Title Search.
02	Error: Issued by the VTR when receiving invalid commands in the context. In such cases, commands that are sent will not be accepted. However, a return command will be issued but only to the Status Sense. To clear the Error status, perform command 56 (Clear).
05	Not Target: Issued by the VTR when specified operations by commands such as Title Search cannot be completed properly.
0A	ACK: A return command issued when a defined command is received.
0B	NAK: A return command issued when an undefined or possibly nonexistent command is received.
56	Clear: Clears the Error status.

● **Response Commands**
Commands for acquiring information such as deck status.

Command	Description
03	Cassette Out: Issued by the VCR deck when the cassette is ejected after ejecting is performed.
60	Chapter Sense: For acquiring the current chapter number.* (DVD Deck)
61	Title/Track Sense: For acquiring the current title number under "ORIGINAL" or in the "PLAY LIST".* (DVD Deck)
B9	Select Sense: For acquiring the status of the inputs, recording mode, audio language selection and subtitle selection.*
BE	Date Data Sense: For acquiring the currently configured year, month and day.*
BF	Clock Data Sense: For acquiring the currently configured hour, minute and second.*
D7	Status Sense: For acquiring the deck information.*
D8	TC Data Sense: For acquiring the total remaining time in the current recording mode when there is a media in the selected deck.*
D9	CTL Data Sense: For acquiring the lapse counter when there is a media in the selected deck.*
DD	JVC Status Sense: Returns data from the unit.*

* See pages 81 - 84 for data format.

Chapter Sense

	1st Byte	2nd Byte	3rd Byte
Chapter Sense	Hundreds	Tens	Ones
60	3*	3*	3*
E.g. (012)	30	31	32

E.g.: When the current chapter is the 12th chapter.

Title/Track Sense under "ORIGINAL"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title/Track Sense (ORIGINAL)	30	Hundreds	Tens	Ones
61	30	3*	3*	3*
E.g. (045)	30	30	34	35

E.g.: When the current title under "ORIGINAL" is the 45th title.

Title/Track Sense in "PLAY LIST"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title/Track Sense (PLAY LIST)	38	Hundreds	Tens	Ones
61	38	3*	3*	3*
E.g. (028)	38	30	32	38

E.g.: When the current title under "PLAY LIST" is the 28th title.

Select Sense

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte
Select Sense	External input selection	—	Recording mode selection	Audio language selection	Subtitle selection
B9	3*	2D	**	**	**
E.g. (392D311112)	39	2D	31	11	12

E.g.: When the selection status of the VTR is as follows:
  External input selection → L-1 S-VIDEO
  Recording mode selection → SP
  Audio language selection → ENGLISH
  Subtitle selection → GERMAN
For response data for B9, see data format for B8 (Select Preset) on pages 78 - 80.

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	Mth (Tens)	Mth (Ones)	Day (Tens)	Day (Ones)	Yr (Tens)	Yr (Ones)
BE	3*	3*	3*	3*	3*	3*
E.g. (01.17.2006)	30	31	31	37	30	36

When the current date is not set, the value is fixed as "—" (0x2D).

Clock 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
Clock 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).

Status Data Sense

D7 STATUS SENSE	1byte		2byte		3byte	
	VCR	DVD	VCR	DVD	VCR	DVD
bit7	0 (Fixed)	1 (Fixed)	Video EE	Video EE	0 (Fixed)	0 (Fixed)
bit6	1 (Fixed)	1 (Fixed)	Audio EE	Audio EE	0 (Fixed)	0 (Fixed)
bit5	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit4	Record Forbidden	Record Forbidden	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit3	Cassette Not Inserted	Disc Not Inserted	Occurrence of abnormality in VTR	Occurrence of abnormality in VTR	0 (Fixed)	0 (Fixed)
bit2	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	During Repeat Playback (Including PAUSE)
bit1	0 (Fixed)	0 (Fixed)	Start sensor	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit0	RS-232C command error status. Clear using 56 (Clear).	RS-232C command error status. Clear using 56 (Clear).	End sensor	0 (Fixed)	0 (Fixed)	0 (Fixed)

D7 STATUS SENSE	4byte		5byte	
	VCR	DVD	VCR	DVD
bit7	During PLAY (Including STILL and search)	During PLAY (Including STILL and search)	During PAUSE	During PAUSE
bit6	During FF	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit5	During REW	0 (Fixed)	During Forward Shuttle Search (Excluding STILL)	During Forward Shuttle Search (Excluding STILL)
bit4	During STOP	During STOP	During Reverse Shuttle Search (Excluding STILL)	During Reverse Shuttle Search (Excluding STILL)
bit3	During STANDBY (Unit Power Off)	During STANDBY (Unit Power Off)	SPEED CODE 3	SPEED CODE 3
bit2	During CASSETTE EJECT	0 (Fixed)	SPEED CODE 2	SPEED CODE 2
bit1	During REC (Including REC PAUSE)	During REC (Including REC PAUSE)	SPEED CODE 1	SPEED CODE 1
bit0	0 (Fixed)	0 (Fixed)	SPEED CODE 0	SPEED CODE 0

If the status of the VTR matches to that stated in the above tables, the value returned is "1". Otherwise, the value "0" is returned.
For details on SPEED CODE 0 - 3, refer to the SPEED CODE table on page 84.

SPEED CODE

	DVD				VCR			
	SPEED CODE 3 (bit3)	SPEED CODE 2 (bit2)	SPEED CODE 1 (bit1)	SPEED CODE 0 (bit0)	SPEED CODE 3 (bit3)	SPEED CODE 2 (bit2)	SPEED CODE 1 (bit1)	SPEED CODE 0 (bit0)
STILL	0	0	0	0	0	0	0	0
FWD/REV SLOW at a slower speed	0	0	0	1	0	0	0	1
FWD/REV SLOW at a slow speed	0	0	1	0				
FWD/REV SLOW at a fast speed	0	0	1	1				
1x/-1x	0	1	0	1	0	1	0	1
FWD/REV SEARCH at a fast speed	0	1	1	0	0	1	1	1
FWD/REV SEARCH at a faster speed	0	1	1	1				
FWD/REV SEARCH at the fastest speed	1	0	0	0	1	0	0	0
FWD/REV SEARCH at the most fastest speed	1	0	0	1				

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

	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*	2D	2D
E.g. (01:23:45)	30	31	32	33	34	35	2D	2D

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 "—" (0x2D).

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*	2D	2D
E.g. (01:23:45)	30	31	32	33	34	35	2D	2D

E.g.: When time lapse counter is 1 hr 23 min 45 sec.
Frame is fixed as "—" (0x2D).

JVC Status Sense

DD JVC SENSE	1byte		2byte		3byte		4byte	
	VCR	DVD	VCR	DVD	VCR	DVD	VCR	DVD
bit7	1 (Fixed)	1 (Fixed)	0 (Fixed)	0 (Fixed)	1 (Fixed)	1 (Fixed)	1 (Fixed)	1 (Fixed)
bit6	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	1 (Fixed)	1 (Fixed)
bit5	0 (Fixed)	0 (Fixed)	1 (Fixed)	1 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit4	During Playback of EP Recorded Tape	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit3	0 (Fixed)	0 (Fixed)	0 (Fixed)	Refer to the DISC TYPE table below.	0 (Fixed)	0 (Fixed)	During dubbing (Including PAUSE)	During dubbing (Including PAUSE)
bit2	0 (Fixed)	0 (Fixed)	0 (Fixed)		0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit1	0 (Fixed)	0 (Fixed)	1 (Fixed)		0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit0	1 (Fixed)	1 (Fixed)	0 (Fixed)		During dubbing (Including PAUSE)	During dubbing (Including PAUSE)	0 (Fixed)	0 (Fixed)

DISC TYPE

	bit3	bit2	bit1	bit0
DVD	0	0	0	0
DVD-RAM	0	0	0	1
DVD-R	0	0	1	0
DVD-RW	0	0	1	1
DVD+R	0	0	0	0
DVD+RW	0	0	0	0
VCD	0	1	1	0
CD	0	1	1	1
...	...	...	...	...
No disc	1	1	1	1