

DV-66/68 RS232 (TTL) Interface Definition

Voltage Level: (0~5V) **TTL Level**
 Transmit Protocol: **4800,N, 8, 1**
 Baud Rate: **4800**
 Priority Bit Check: **NONE**
 Data Bit Length: **8**
 Stop Bit No. **1**

RS232 Code(Decimal)	RS232 Code(Hex)	IR Key Code	Content
1~99	1~63	NA	Play track #1~#99

RS232 Code(Decimal)	RS232 Code(Hex)	IR Key Code	Content	
201	C9	01	Standby	Power On/Off
202	CA	02	Reset	Power reset
203	CB	03	NC	
204	CC	04	ENABLE OSD	Enables OSD feature
205	CD	05	Audio Channel	Audio output channel selection
206	CE	06	1	Number button 1
207	CF	07	2	Number button 2
208	D0	08	3	Number button 3
209	D1	09	NC	
210	D2	10	4	Number button 4
211	D3	11	5	Number button 5
212	D4	12	6	Number button 6
213	D5	13	Subtitle	Subtitle selection (DVD only)
214	D6	14	7	Number button 7
215	D7	15	8	Number button 8
216	D8	16	9	Number button 9
217	D9	17	NC	
218	DA	18	Mute	Mute button
219	DB	19	33	Erase Typos when key in
220	DC	20	NC	
221	DD	21	Title	Display Title
222	DE	22	Up Arrow	Move selection bar up
223	DF	23	Menu	Pop out file list for selection/File Library
224	E0	24	Left Arrow	Move selection bar to the left
225	E1	25	Enter / play	Confirm selection made/File playback
226	E2	26	Right Arrow	Move selection bar to the right
227	E3	27	Toggle Video Outputs	Interlace RGB, S-Video, Component, Blank, and VGA mode selection
228	E4	28	Down Arrow	Move selection bar down
229	E5	29	Repeat	Select from 6 REPEAT mode
230	E6	30	Video/S-video out	Video/S-video output
231	E7	31	Setup	Activate setup menu

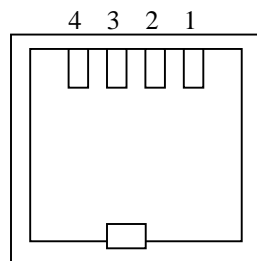
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232	E8	32	Display	Display playing status
233	E9	33	Volume +	Volume increase
234	EA	34	VGA output	VGA output
235	EB	35	4:3 P-Scan	Output mode selection
236	EC	36	Zoom	Activate/deactivate the zoom function
237	ED	37	Volume -	Volume decrease
238	EE	38	3D	3D function selection
239	EF	39	Slide Show	Setting up JPG slide show
240	F0	40	Mode	Mode selection (DVD only)
241	F1	41	FB	Fast rewind
242	F2	42	FF	Fast forward
243	F3	43	Previous	Back to previous file
244	F4	44	Next	Go to next file
245	F5	45	Stop	Stop playing file
246	F6	46	Pause	Temporarily stop played file
247	F7	47	Play	File playback
248	F8	48	16:9 full screen	Output 16:9 file in full screen selection
249	F9	49	Repeat Mode	Repeat playing all clips/Menu repeat
250	FA	50	Menu Mode	Play menu clip until other clip selected.
251	FB	51	NC	
252	FC	52	OSD OFF	Disable OSD feature
253	FD	53	OSD On	Enable OSD feature
254	FE	54	4:3 letter box	Output 16:9 file in 4:3 mode selection
255	FF	55	NC	

Note: Code function subject to change without notice.

Onscreen Procedure: Depress key code 4, 45 then 53 to turn "OSD on" to enable OSD feature before other function selected.

KEYPAD PORT



- 1.SIGNAL GROUND
- 2.TTL DATA INPUT TO PLAYER
- 3.TTL DATA OUTPUT FROM PLAYER
- 4.VCC (5VDC) OUT

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DV66/68 Status Data

Status Data only applies to DV66s with firmware 1.6 and greater, and DV68s with firmware version 1.0I2 and greater. The player transmits this data whenever the status changes (new track, time changes etc).

Data format: **30h, <X>, 20h, <Y>, <Z>, 0FFh**

Byte 1 is always 30h (48 decimal).

Byte 2 is the data format byte [38h=track data, 42h=time].

Byte 3 is always 20h (32 decimal).

Bytes 4 and 5 are the data value of the command.

Byte 6 is always FFh (255 decimal).

<X>	<Y>	<Z>	Description
31	30	31	End
32	30	35	Initiating file
33	30	42	Pause
33	30	39	Play
38	30	31	Track 1
38	31	30	Track 16 (10H)
38	31	39	Track 25 (19H)
39	30	30	zero (volume)
39	30	31	level 1
39	30	32	level 2
39	30	33	level 3
39	30	34	level 4
39	30	35	level 5
42	30	31	time counter of 1 second
42	30	39	time counter of 9 seconds