

V74BC

USER MANUAL



TECHNOVISION INTERACTIVE INC.
www.technovision.com

Warranty:

The Technovision V74BC is covered by a one-year warranty. Please contact Technovision at support@technovision.com to receive a RMA number prior to returning the controller for repairs.

Technical Support:

For additional technical information contact Technovision
Email: support@technovision.com

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- AC-1** Audio amplifier & multimedia controller
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- V5000RM** Rack Mounts for Pioneer DVD-V5000 and many more...

Notes:

Introduction

The Technovision V74BC interface allows the Pioneer DVD-V7400 to be controlled by devices that produce dry contact closures. It takes these dry contact closures and converts them to a simulated remote control entry. The V74BC comes standard with a 6-foot cable that attaches to the INTERFACE CONNECTOR on the back of the Pioneer DVD-V7400.

Standard Features

- Simple installation
- Terminal connectors for buttons or motion sensors
- DIP switches to customize unit
- 6 foot cable to DVD-V7400
- Packaged shipping weight .7 lbs

Applications

Uses range from simple numeric entries to full navigation of the DVD program. This device is a must for any serious installations of button driven DVD applications. A variety of buttons and motion sensors are available from Technovision for these applications:



Wiring of Contact Closure devices to the V74BC

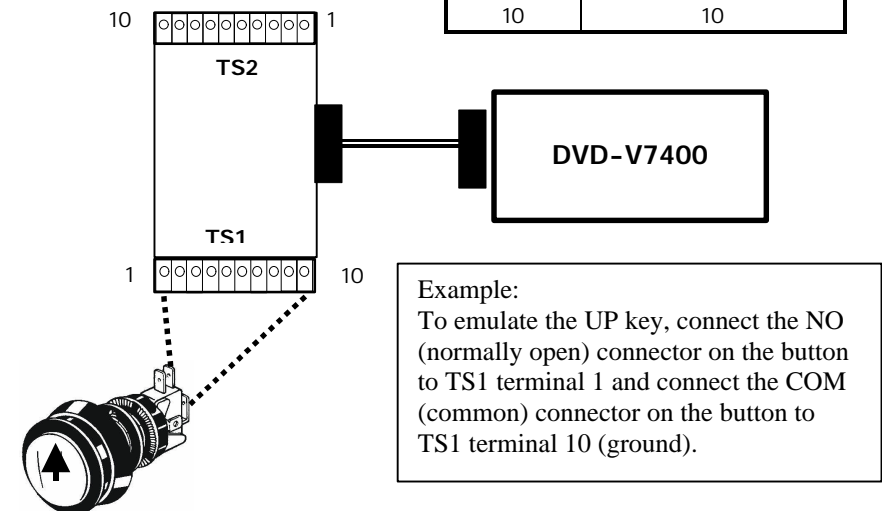
MAKE SURE THAT THE PIONEER DVD-V7400 IS TURNED OFF WHEN CONNECTING THE TECHNOVISION V74BC

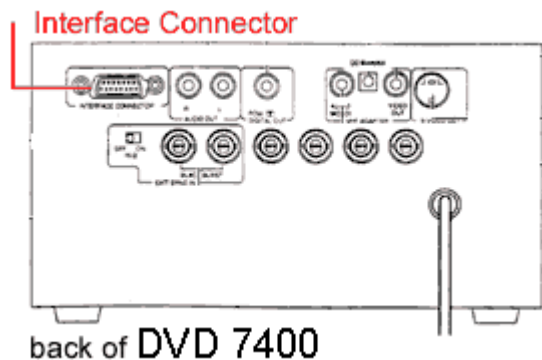
Simulating remote inputs into the Pioneer DVD-V7400 requires the grounding of individual terminal connectors on the V74BC. The ground is provided on Terminal strip 1(TS1) connector 9 and 10. See the charts below, and the additional tables, to determine which terminals need to be connected to these grounds to provide the remote input into your DVD application:

Examples of the most popular configurations:

KEY	TERMI NAL ON TS1 TO BE GROUNDED
- (up)	1
^ (down)	2
← (left)	3
→ (right)	4
Ⓜ (enter)	5
Ⓝ (next)	6

IR KEY	TERMI NAL ON TS2 TO BE GROUNDED
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10





The V74BC connects directly to the RS232 port (Interface Connector) on the Pioneer DVD-V7400.

Custom Terminal Connectors (C1 and C2)

In the addition to the regular terminal connectors, there are also two custom terminal connectors. The remote function that is emulated by grounding these two terminals is determined by the setting of Dipswitches C1 and C2. See tables 1 through 3 for the Dipswitch settings to emulate various remote functions. In each table a "1" represents the Dipswitch being set to ON and blank represents OFF.

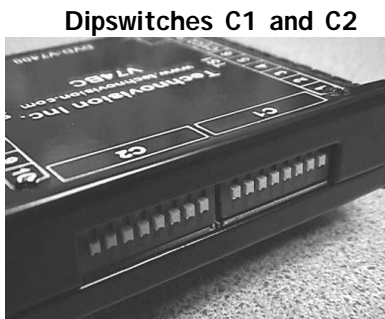


Table 1 - Standard Remote Functions

SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	Function
				1				Enter
						1	1	Title Menu
					1	1	1	Menu
				1	1			Play
				1		1		Stop
				1			1	Pause
				1	1	1		Step Fwd
				1	1		1	Step Rev
				1		1	1	Return
1	1							Open/Close Tray
		1	1					Display
1	1	1						Scan Fwd
1	1		1					Scan Rev
1		1	1					Skip Fwd
	1	1	1					Skip Rev
1								↑
	1							↓
		1						←
			1					→
1			1					↗
	1		1					↘
	1	1						↖
1		1						↙
1				1	1			Recall
1				1		1		Setup
1				1			1	Memory
	1			1	1			>10
	1			1		1		Repeat
	1			1			1	Repeat A-B
		1		1	1			Audio
		1		1		1		Angle
		1		1			1	Subtitle
			1	1	1			Title/Chp/Frm
			1	1		1		0
			1	1			1	Clear

For example: To have the grounding of terminal C1 emulate the Title Menu you would set the "C1" Dipswitch to:

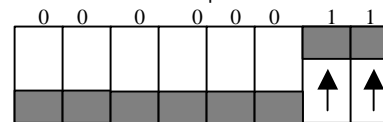
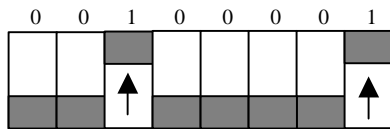


Table 2 - Numeric Entries

SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	Function
1					1			Button 1
	1				1			Button 2
		1			1			Button 3
			1		1			Button 4
1						1		Button 5
	1					1		Button 6
		1				1		Button 7
			1			1		Button 8
1							1	Button 9
	1						1	Button 10
		1					1	Button 11
			1				1	Button 12
1	1				1			Button 13
1		1			1			Button 14
1			1		1			Button 15
	1	1			1			Button 16
	1		1		1			Button 17
		1	1		1			Button 18
1					1	1		Button 19
	1				1	1		Button 20

For example: To have the grounding of terminal **C1** emulate entering '11' on the remote, you would set the "C1" Dipswitch to:



For example: To have the grounding of terminal **C2** emulate entering 12 you would set the "C2" Dipswitch to:

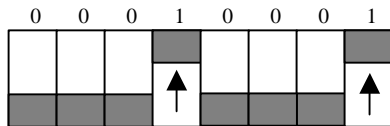


Table 3 - Stack Commands.

SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	Function
					1			Stack Group 1
						1		Stack Group 2
							1	Stack Group 3
		1			1	1		Stack Group 4
			1		1	1		Stack Group 5
1	1					1		Stack Group 6
1		1				1		Stack Group 7
1			1			1		Stack Group 8
	1	1				1		Stack Group 9
	1		1			1		Stack Group 10
		1	1			1		Stack Group 11
1						1	1	Stack Group 12
	1					1	1	Stack Group 13
		1				1	1	Stack Group 14
			1			1	1	Stack Group 15
1	1						1	Stack Group 16
1		1					1	Stack Group 17
1			1				1	Stack Group 18
	1	1					1	Stack Group 19
	1		1				1	Stack Group 20
		1	1				1	Stack Group 21
1					1		1	Stack Group 22
	1				1		1	Stack Group 23
		1			1		1	Stack Group 24
			1		1		1	Stack Group 25
			1	1				Stack Group 26

For example: To have the grounding of terminal **C1** emulate Stack Group 5 you would set the "C1" Dipswitch to:

