

# Documentation for DVD1L Version 1.8 for the Technovision KPC2

## Hardware Requirements

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- KPC-2 Controller with DVD1L flash programmed into the unit.
- Pioneer DVD-V7400 or DVD-V5000 DVD player(s) set for **9600** baud and POWER ON START set to T01:C01.
- **The DVD-V5000 MUST be changed from its default of 19,200 to 9600 baud.**
- KPCDVD (or KPC4DVD) player control cable.

## Instructions on installing a controller and player

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1. **Make sure power to the players and controller is disconnected before installation.**
2. On the controller you must insert the DVD control cable into the DB9 MALE connector.
3. **Cable #1 MUST be connected to player #1 - the entire sequence is cued to player #1.**
4. Now, plug in the players and insert the discs into the tray.
5. Plug in the power supply to the controller.
6. The controller will now start-up the players and will begin playing Chapter 1. If the player does not start-up then confirm that BAUD speed of the controller and player is the same (if the player is set to 4800, you can set the controller to 4800 baud by changing DIP switch #4 on the KPC2).
7. It is recommended that the controller and player be attached to the same power bar so that the controller and player can be easily powered up together.

## Show Process

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Upon start-up, the controller will initialize the player and then starts playing Chapter 1 to Chapter 2 (title 1). If there is no Chapter 2, the player will play to the end of TITLE 1. When the viewer presses a chapter number (1 to 16), the player will search to the appropriate chapter and will then play to the next chapter. If there is no ending chapter, the player will play to the end of the title 1. At the end of the video, the player will then start repeating Chapter 1 again.

## System Test

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During the show, you can always press the **STILL** button on player#1 to simulate the end of the show. All the players will then search back to Chapter 1 and begin playing again.

## DIPSWITCH FUNCTIONS

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DIP SWITCH	OFF ( <i>Default</i> )	ON
1	No Button Lockout	Show buttons are locked out during Shows
2	No Search Delay	Small delay after search for use with multiple players
3	4x4 keypad mapping	3x4 key mapping (can use <b>KEY34</b> keypad)
4	9600 BAUD	4800 BAUD

DIP switches are only read upon power up – if the switches are changes while the KPC2 is powered up, the setting do not take effect until the next time the unit is turned on.

## Firmware updates:

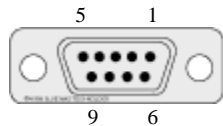
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- Ver 1.5 Polls player at startup.
- Ver 1.6 Checks for valid button entries.
- Ver 1.7 Added OUTPUT (x) on BUTTON PRESS (x).
- Ver 1.8 Does not start if R0 is pulled low.

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## Keypad Port on the KPC2

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CHAPTER#	Pins with 4x4 mapping	Pins for 3x4 mapping	5 volt DC (35ma) output on PARALLEL Port Pin#
2	2 and 6	2 and 6 (KEY 1)	6
3	2 and 7	2 and 7 (KEY 2)	18
4	2 and 8	2 and 8 (KEY 3)	5
5	2 and 9	3 and 6 (KEY 4)	17
6	3 and 6	3 and 7 (KEY 5)	4
7	3 and 7	3 and 8 (KEY 6)	16
8	3 and 8	4 and 6 (KEY 7)	3
9	3 and 9	4 and 7 (KEY 8)	15
10	4 and 6	4 and 8 (KEY 9)	
11	4 and 7	-	
12	4 and 8	-	
13	4 and 9	-	
14	5 and 6	-	
15	5 and 7	-	
16	5 and 8	-	
17	5 and 9	-	

## Setting the Pioneer DVD-V7400 or DVD-V5000 to 'POWER ON START'

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The full description of this procedure is outlined in the Operating Instructions manual of the player.

- Make sure the player is powered up and the DVD disc is removed from the player. You may also just simply eject the DVD for this process.
- Access the ADV SETUP MENU by holding down the **SETUP** (V7400) or **HOME MENU** (V5000) button on the remote until the ADV SETUP MENU appears.
- If the POWER ON START setting on the menu set to OFF, move the selection arrow to POWER ON START.
- Set it to ON by pressing **▶** then press **ENTER** to access the sub-menu.
- On the sub-menu press **2** to select TITLE mode
- Enter **01** to select Title 1 then press **ENTER**
- Enter **01** to select Chapter 1 then press **ENTER**
- Press the **SETUP** (V7400) or **HOME MENU** (V5000) button to exit the menu.

Please contact Technovision at (905) 420-5153 for further details.  
www.technovision.com