

# Documentation for TITLE16 Version 1.1 for the Technovision KPC2

## Hardware Requirements

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- KPC-2 Controller with TITLE16 flash programmed into the unit.
- Pioneer DVD-V7400 or DVD-V5000 DVD player (set at **4800** or **9600** baud and POWER ON START). **The DVD-V5000 MUST be changed from its default of 19,200 to 9600 baud.**
- KPCDVD player control cable.

## Instructions on installing a controller and player

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1. **Make sure power to the player 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. 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 search to TITLE 1. If the player does not start-up then confirm that BAUD speed is set for **4800** or **9600**.
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(s) and then search to TITLE 1 . When the viewer presses a title number (1 to 16), the player will search to the appropriate title and will then play to LEADOUT. At the end of the video the player will search back to TITLE 1 and wait for a button press.

## 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.

## LED OUTPUTS

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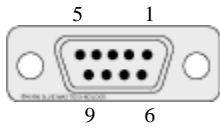
There are eight TTL outputs available on the EXTERNAL CONTROL port of the KPC2.

Function	Pin on EXTERNAL CONTROL port	Port Signal Name
Show 1 Output	6	PA0
Show 2 Output	18	PA1
Show 3 Output	5	PA2
Show 4 Output	17	PA3
Show 5 Output	4	PA4
Show 6 Output	16	PA5
Show 7 Output	3	PA6
Show 8+ Output	15	PA7
GROUND	1 and 13	GROUND

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## Keypad Port on the KPC2

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TITLE#	Pins with 4x4 mapping	Pins for 3x4 mapping
1	2 and 6	2 and 6 (KEY 1)
2	2 and 7	2 and 7 (KEY 2)
3	2 and 8	2 and 8 (KEY 3)
4	2 and 9	3 and 6 (KEY 4)
5	3 and 6	3 and 7 (KEY 5)
6	3 and 7	3 and 8 (KEY 6)
7	3 and 8	4 and 6 (KEY 7)
8	3 and 9	4 and 7 (KEY 8)
9	4 and 6	4 and 8 (KEY 9)
10	4 and 7	-
11	4 and 8	-
12	4 and 9	-
13	5 and 6	-
14	5 and 7	-
15	5 and 8	-
16	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.
- Enter the ADV SETUP MENU by holding down the **SETUP** button on the remote until the 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 **ENTER**
- 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 **SETUP** to exit the menu.

Please contact Technovision at (905) 420-5153 for further details.  
[www.technovision.com](http://www.technovision.com)