

Documentation for CHAPTTL version 1.1 for the KPC2 controller

This program is used when controlling presentations within a theatre, as the outputs are designed to trigger different lighting – OUTPUT 1 for lights down, OUTPUT 2 for lights up and OUTPUT 3 for full lights up.

Hardware Requirements

- KPC-2 Controller with CHAPTTL flashed programmed into it.
- Pioneer DVD-V7400 or DVD-5000 Industrial DVD player set for **9600** baud and POWER ON START set to T01:C01. Player BAUD speed must be changed from its default speed to **9600** BAUD.

Program Description

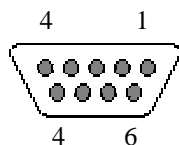
Upon start-up, the controller will search to CHAPTER 1 on the DVD and wait for a button to be pressed. Upon a CHAPTER button, the player will start playing that selected chapter, activate OUTPUT 1 for 1 second, and upon reaching the next chapter, activates OUTPUT 2 for 1 second. It will then play to the next CHAPTER and then activate OUTPUT 3 for 1 second when it goes into still mode at the beginning of that chapter. Upon pressing the SHUTDOWN button, the player will spin down, wait for the SHUTDOWN button to be released, and then wait for any button to start back up the system (to where it is waiting for a SHOW button).

For example, upon pressing BUTTON 1:

- Chapter 1 (MAIN SHOW) starts playing and OUTPUT 1 triggers for 1 second.
- Upon reaching Chapter 2 (CREDITS), OUTPUT 2 triggers for 1 second.
- Upon reaching Chapter 3 (STILL on first frame of the chapter), OUTPUT 3 triggers for 1 second.

Button wiring

A dry, momentary contact closure must be provided to two pins on the keypad port to select a show. These contacts must be within 40 feet of the controller.



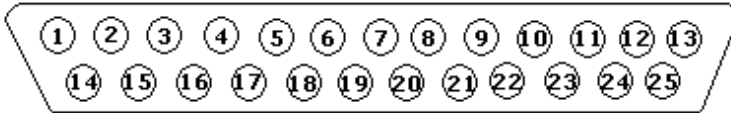
KEYPAD (DB9 FEMALE)

SHOW Button#	Starting CHAPTER	Wire colors on optional PC2KTS harness	Pins on keypad port	Keypad Description
1	CHAPTER 1	Green and Brown	2 and 6	R0 and S0
2	CHAPTER 4	Green and Red	2 and 7	R0 and S1
3	CHAPTER 7	Green and Orange	2 and 8	R0 and S2
4	CHAPTER 10	Blue and Brown	3 and 6	R1 and S0
5	CHAPTER 13	Blue and Red	3 and 7	R1 and S1
6	CHAPTER 16	Blue and Orange	3 and 8	R1 and S2
7	CHAPTER 19	White and Brown	4 and 6	R2 and S0
8	CHAPTER 22	White and Red	4 and 7	R2 and S1
9	CHAPTER 25	White and Orange	4 and 8	R2 and S2
	SHUTDOWN	Black and Red	5 and 7	R3 and S1

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EXTERNAL CONTROL connector (DB25 Male) wiring

There are eight 1-second TTL outputs available on the EXTERNAL CONTROL port of the KPC2.



Function	Pin on EXTERNAL CONTROL port	Port Signal Name
OUTPUT 1 (SHOW START)	6	PA0
OUTPUT 2 (CREDITS START)	18	PA1
OUTPUT 3 (SHOW END)	5	PA2
OUTPUT 4 (SHUTDOWN)	17	PA3
GROUND	1 and 13	GROUND

DIP SWITCHES

The four Dipswitches are read only once upon power up – if changes have to be made, you must power down the KPC2, change the switches, then power up the KPC2.

DIP SWITCH	OFF (Default)	ON
1		
2		
3	NO Button Lockout	Show buttons 1 to 9 are locked out during Shows
4		

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

The full description of this procedure is outlined in the Operating Instructions manual of the DVD 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 (or **HOME MENU** for the DVD-V5000) 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** to select 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 **SETUP** to exit the menu.

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