Documentation for NPS6 version 1.2 for the
KPC2 controller

Hardware Requirements

- KPC-2 Controller with NPS6 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.
- KPCDVD control cable
- Industrial push buttons

Programming Shows

If one of the show buttons is pressed during the 'Technovision KPC2' prompt, the video output of the DVD player will display 'Edit Mode'. Once you release the button, the system will display the current starting and ending frames programmed for that button.

For example, if button 3 is held down during the prompt, the display will show:

EDIT MODE
S3=0001000-0002000 *(start frame – end frame)*

While in EDIT mode, search to frame wanted for start of show, depress button '1'. This programs the current frame number on DVD player as the starting frame for current show. Search to frame wanted for end of show, depress button '2'. This programs the current frame number as the ending frame and the lights up frame for the current show being edited.

To program the rest of the buttons you must unplug the power to the KPC2 and repeat the procedures above.

Programming the Attract

To program the attract video you must press **BOTH** buttons 1 and 2 at the same time at the "TECHNOVISION KPC1" prompt. The attract video will be either a moving video segment or 3 stills with a 5-second delay between each. This is set by DIP switch 4 (see table 1 below).

Programming a Moving Video Segment for the Attract: This process is the same as programming a show except the display will read: A=0030000-0054543 when entering the frame information.

Programming Stills for the Attract: When in edit mode, search to frame wanted for still #1, depress button 1. This will program the current frame as the frame for the STILL #(1..3). Then repeat for stills 2 and three. Button 2 will advance through stills without changing the current data. A sample line will look like: A1=0030456

Table 1

The 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.

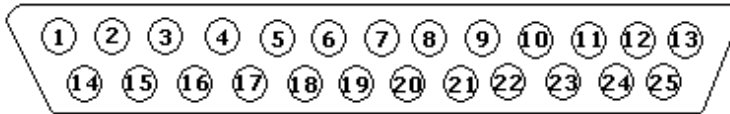| DIP SWITCH	OFF (*Default*)	ON
1	Programming lock OFF	Programming lock ON (no KPC2 prompt)
2	NO Search Delay	Small delay for use with multiple players
3	NO Button Lockout	Show buttons 1 to 6 are locked out during Shows
4	Video Attract	3-Still Attract (5 second between stills)

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.

```
4        1
 o o o o o
  o o o o
4        6
```
KEYPAD (DB9 FEMALE)

Button#	Function	Wire colors on optional harness	Pins on keypad port	Keypad Description
1	Show 1 (Frame #A-B)	Green and Brown	2 and 6	R0 and S0
2	Show 2 (Frame #C-D)	Green and Red	2 and 7	R0 and S1
3	Show 3 (Frame #E-F)	Green and Orange	2 and 8	R0 and S2
4	Show 4 (Frame #G-H)	Blue and Brown	3 and 6	R1 and S0
5	Show 5 (Frame #I-J)	Blue and Red	3 and 7	R1 and S1
6	Show 6 (Frame #K-L)	Blue and Orange	3 and 8	R1 and S2
7	Attract Loop (No Lockout)	White and Brown	4 and 6	R2 and S0
8	**SHUTDOWN**	**White and Red**	**4 and 7**	**R2 and S1**

EXTERNAL CONTROL connector (DB25 Male) wiring

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

```
 (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)
  (14)(15)(16)(17)(18)(19)(20)(21)(22)(23)(24)(25)
```

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 ACTIVE	3	PA6
ATTRACT ACTIVE	15	PA7
GROUND	1 and 13	GROUND

Show Outputs   **ON** the whole time the show is playing and **OFF** during the attract video.
SHOW ACTIVE   **ON** is on at start of any show and **OFF** during the attract video.
ATTRACT ACTIVE **ON** during the Attract and **OFF** at the start of any show.