Documentation for DVD4 Version 1.5

Programmed for the Technovision PC-2 Controller

Allows for the individual synchronization of up to 4 Pioneer Industrial DVD players.

Players are synchronized by frame numbers (within title 1)

Information is programmed via LD or DVD remote.

Last Update January 2004

To have perfect "FIELD" accurate playback, Pioneer recommends using a black burst generator that all the DVD-V7400's can be synch locked to, but tests have show that the DVD-V7400 can also lock to a standard video signal as well. This signal can be derived from the second video output from player #1, making it unnecessary to have a black burst generator.

When using a program for synchronizing DVD-V7400 players, using frame numbers, the DVDs will have to be authored to have "FRAME/TIME ACCESS" enabled - a mode that is set in the DVD creation stage. Without FRAME/TIME ACCESS enabled, the DVD player can not be accessed by frame numbers (or time) and can only be accessed by Chapter or Title.

You can easily test if the disc has FRAME/TIME ACCESS enabled by pointing the remote at the player and pressing the "FRAME/TIME" button on the remote. If the unit prompts you to enter a number - FRAME/TIME ACCESS is enabled. If you see a remote icon with an "X" through it - FRAME/TIME ACCESS is disabled.

For additional technical information contact: Technovision Technical Support (905) 420-5153 support@technovision.com

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KPC-2 multimedia controller. **V74BC** button controller for Pioneer Industrial DVD players and many more...

Revision A

Instructions on Programming - DVD4 Version 1.5

Programming Overview:

This program, designed for the Technovision PC-2 allows the following information to be programmed into the battery backed up memory of the controller:

- Start and end frames (within title 1) for up to 4 Pioneer DVD players that are played in sync upon a button press. Players not used MUST have their beginning frames programmed in as **EXERCENE**. Failure to do this will result in increased search times on the system.

Hardware Requirements:

This program requires a Pioneer DVD-V7400 with the baud speed set for 4800.

A programming remote (CUV-162) is required to use this program. This remote comes standard with the DVD-V7400 DVD player. A custom control cable (P4-CAB) is also required to control the laserdisc players.

-- CAUTION --

Please make sure the PC-2 is powered down before attaching cables, program card and buttons.

Programming Sequence:

- 1. Insert program card into the PC-2 with the label facing up.
- 2. Attach player cable to the communications port of the PC-2 and the serial port of the players.
- 3. Player 1 must be connected since the program will use it's built in character generator for prompting.
- 4. Attach video cables to monitors.
- The PC-2, players and monitors should be connected to the same power source.
- 6. Power the system up.
- 7. When the "**Technovision PC-2**" prompt appears on the screen for player #1 you will have 8 seconds to press the Ø (zero) button on the remote to go to the MAIN MENU. If the Ø is not pressed the system will run the program using the data last stored within the controller

The Main Menu will present the following options:

current start and end points

for the players

2. Change INFO This choice will allow you to

change the start and end

points for the players.

3. KEYLOCK ** Will enable/disable the

remote from working with

the players.

4. AUTOSTART ** Changes the shows starting

process.

9. RUN PROGRAM Executes the program.

View Settings:

The View Settings choice shows the current beginning and end frames for the players.

Change INFO:

By selecting this option you will be prompted to:

Enter player # (1..4)

<SEARCH/MENU> FOR MENU

After the player number is entered, the current settings will be displayed and you will be prompted to enter the new settings. You must enter all 7 digits for the start and end frames. Pressing the CLEAR will erase the current entry. Pressing SEARCH or MENU on the remote will return you to the "Enter Player MENU".

If a player is not to be used, the beginning point has to be entered as **ERREREE**.

KEYLOCK ON/OFF:

Pressing 3 on the remote will toggle the KEYLOCK on the player. With KEYLOCK ON, the remote will not work with the player.

AUTOSTART ON/OFF/HOUR:

Pressing 4 on the remote will change the AUTOSTART setting from ON (no START switch needed) to OFF (requires START contact) to HOUR (starts when the minute is 00 or START button is pressed).

RUN PROGRAM:

The PC-2 will start up all the players, search to title 1, then search to their beginning points. The controller will then wait for the START cue (determined by AUTOSTART setting). A dry closure between pins 2 and 6 on the keypad port of the PC-2 serves as the start switch. The players will then start playing at the same time until their end point is reached (or player 1 ends).

The show is cued to the ending of player #1. When player #1 ends, all players will return to their starting points.

Show Buttons (dry, momentary contact closure on keypad port):

START/STOP Pins 2 and 6 on the keypad port will START the show.

You can only STOP the show if the player is first in

STILL mode.

STILL Pins 2 and 7 will still frame the show. Press PLAY to

resume.

PLAY Pins 2 and 8 will put the player back into PLAY mode

after being put into STILL mode.

-- Programming Tip -- You can also press the RESET button the back of the PC-2 to restart the PC-2 program without turning off all the components.

For more information contact Technovision at (905) 420-5153

Other Programs available for the PC-2:

SEG16

Program on-screen an attract video which can either be running video, a still frame or video off. You can connect up to 16 button to play 16 discrete shows which return to the attract video when completed. There is a programmable lockout to stop multiple button presses by younger audiences

DVD4T

Synchronize up to four Pioneer DVD-V7400s individually by title and chapter rather than frame number.

TLOAD

Download to the PC-2 multiple parameters for controlling an automated theatre. You can download the starting point, end point, light down point, and light up point for multiple shows which run in sequence. You can also set the delay between shows and one line of text that appears below the on-screen countdown. Lighting cues for dimmers are provided as latched and pulsed TTL outputs on the parallel port of the PC-2.

PC-2 Hardware Options:

54-0000-41 Heavy-duty 1.25" square button
57-0000-41 Heavy-duty 1.25" flush mount square button
PC2P1 Control cable for single Pioneer/Panasonic player
PC2P4 PC-2 control cable for up to 4 Pioneer laserdisc players
PC2P8 PC-2 control cable for up to 8 Pioneer laserdisc players

PC2-RACK 19" EIA rack kit for PC-2 LED5 5 digit LED and control cable

PC2-MS Motion sensor (NC) and power supply

LD-1 Parallel port Line Driver

KEY34 3 by 4 keypad and cable to PC-2 (kiosk operation)

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