

**SIMPLWINDOWS
NAME:**

Escent PowerPlay (v1.0.1)

CATEGORY:

Transport Decks

VERSION:

1.0

SUMMARY:

Controls all basic functions on an Escent PowerPlay DVD Changer System

GENERAL NOTES:

This module will control all of the available basic functions on the Escent PowerPlay. Controls available include:

1. Navigation using the Escent on-screen menus using up/down/left right/select functions.
2. Screen selection (covers, titles, styles, plus one, etc.) Note that you must first be on the FIND screen before you can go to the ADVANCED FIND screen.
3. DVD menu controls
4. Transport controls
5. Chapter/Track selection
6. DVD language/subtitle/angle selections

Feedback is provided for:

1. Currently active screen
2. Transport status (play/stop/pause)
3. Chapter/Track titles
4. Currently playing chapter/track
5. Available language/subtitle/angle options
6. Aspect ratio being used
7. Type of media being played (CD or DVD)
8. Title number/track number/changer number/slot number

For selection of DVD's and searching functions, you must use the navigation commands in conjunction with the on-screen menus. It is anticipated that in future Escent software releases we will be able to display/sort/search dvd/CD title information.

For chapter/track display and selection, this module allows you to scroll through the available chapters/tracks, with up to 10 chapters/tracks displayed per screen. The number of tracks to be displayed per screen is set up using the TRACKS-TO-DISPLAY (1d-10d) parameter. Enter a number from 1d to 10d to specify how many chapters/tracks should be displayed per screen.

You can also limit the number of characters that will be displayed for each chapter/track title. This will prevent text from overrunning the allotted space in indirect text fields. This is set up using the MAXIMUM-CHARACTERS parameter. Enter a decimal number from 1d to 100d corresponding to the maximum number of characters to display. Note that this will not include the chapter/track number (see below).

There are three options for how to display the chapter/track number. They are set up using the TRACK-DISPLAY-OPTION (0d-2d) parameter. The options are as follows:

- 0d - No title or track number will be displayed
- 1d - Only the track number will be displayed
- 2d - Both the title and track number will be displayed.

APPLICATION NOTE:

Known issues with Escent PowerPlay (software version 1.0.1) operation with Crestron. These items are to be addressed by Escent in a future software release:

Using the "Escent PowerPlay (v1.0.1)" module:

1. If the PowerPlay is on the Play screen (video in a window) and you send the command to cause it to go to the same screen again the video window disappears, leaving just the gray background on the screen.
2. When using the navigate up/down/left/right commands, you don't always see the yellow highlighted button changing. You know the selected item is changing, because when you activate the select function, you can select different items, but you don't get the indication on the screen of which item is highlighted. Eventually it will start to work again.
3. Changer number may not report back as being the changer you would expect. For example, on a system with a single changer attached, it may report as being changer number 2, and the plusone drive may report as changer number 3.
4. For CD's, there is no way to request the Artist of a CD. This has been submitted as a feature request to Escent
5. For both dvd's and cd's, there is no good way to display/sort/search the dvd/cd database without using the on-screen menus. This has been submitted as a feature request to Escent.

**CRESTRON
HARDWARE:**

CNXC
COM,
ST-COM

**SETUP OF CRESTRON
HARDWARE:**

Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE:

1.0.1

VENDOR SETUP:

You can use either com 1 or com 2. You must set up which com port is being used on the Escent system. This is done by selecting "Setup" from the main menu, then "System Settings", then "External control". Now check the box labeled "Enable External Control", and select the appropriate com port from the drop down list.

CABLE NUMBER:

CNSP-124

CONTROL:

NAVIGATE-*	D	Navigation commands to be used in conjunction with the Escent on-screen menus
SCREEN-*	D	Pulse to select which Escent on-screen menu to display
PLAY/STOP/PAUSE	D	Pulse to play/stop/pause the currently selected dvd/CD
CHAPTER/TRACK+/-	D	Pulse to go to the next or previous chapter or track
SEARCH -/+	D	Pulse to activate 2x and 8x search forward and reverse functions. Only valid when playing a dvd
CHAPTER/TRACK-1-10	D	Pulse to select a discrete chapter track from the scrolling list
DISPLAY-NEXT/PREV	D	Pulse to advance to the next set or

		previous set of chapters/tracks
POLL-CHAPTER/TRACKS	D	Pulse to poll the currently selected dvd/CD for the available chapters/tracks. This will be done automatically whenever a new disc is loaded
DVD-MENU	D	Pulse to activate the dvd menu functions
TITLE-MENU	D	Pulse to activate the title menu
DVD-MENU-*	D	Pulse to use the standard DVD menu functions
FULL-SCREEN-VIDEO-*	D	Pulse to activate/deactivate full screen video mode
POLL-ADVANCED-OPTIONS	D	Pulse to poll for the currently available language/subtitle/angle options for the currently playing dvd
ADVANCED-LANGUAGE	D	Pulse to select to modify the language option
ADVANCED-SUBTITLES	D	Pulse to select to modify the subtitle option
ADVANCED-ANGLES	D	Pulse to select to modify the angle option
ADVANCED-0-9/CLEAR	D	Keypad to enter which advanced option number to select
ADVANCED-ENTER	D	Pulse to select which option number to activate for language/subtitle/angle
ESCIENT-RX\$	S	Serial signal to be routed from a 2-way RS232 port
MAXIMUM-CHARACTERS	P	Defines the max number of characters to be displayed for a chapter/track title
TRACKS-TO-DISPLAY	P	Defines how many chapters/tracks to display per screen. Must be a number from 1d to 10d
TRACK-DISPLAY-OPTION	P	Defines what format to display the chapter/track number. See General Notes for more information

FEEDBACK:

SCREEN-*-FB	D	Indicates which on-screen menu is currently being displayed
PLAY/STOP/PAUSE-FB	D	Indicates the state of transport status
CHAPTER/TRACK-*-FB	D	Indicates which chapter/track in the scrolling list is currently playing
CHAPTER/TRACK-*\$	S	Contains the titles of the chapters/tracks in the scrolling list
MEDIA-DVD-FB	D	Indicates that a dvd is currently loaded. Could be used to cause a page flip to a dvd control screen
MEDIA-CD-FB	D	Indicates that a CD is currently loaded. Could be used to cause a page flip to a CD control screen
DVD/CD/TITLE-NUMBER	A	Indicates the current title number playing on the current CD/dvd
CHAPTER/TRACK-NUMBER	A	Indicates the current track number playing on the current dvd/CD
CHANGER-NUMBER	A	Indicates the current changer number in use
SLOT-NUMBER	A	Indicates the slot of the currently playing dvd/CD
ASPECT-*-FB	D	Indicates the aspect ratio of the video being generated by the Escient system. Could be used to change aspect ratios on

		a display device
DVD-MENU-ON/OFF-FB	D	Indicates when the dvd menu functions should be made accessible to the user. Could turn on/off a sub page containing the dvd menu functions
FULL-SCREEN-VIDEO-* -FB	D	Indicates when full screen video is on/off
ADVANCED-* -FB	D	Indicates which advanced option has been selected for modification
ADVANCED-DISPLAY	A	Displays the number entered on the advanced options keypad
LANGUAGE-OPTIONS	A	Displays the total number of language options available
SUBTITLE-OPTIONS	A	Displays the total number of subtitle options available
ANGLE-OPTIONS	A	Displays the total number of angle options available
ESCIENT-TX\$	S	Serial signal to be routed to a 2-way RS232 port

.UPZ FILE USED FOR TESTING: 5.12.01x.upz
COMPILER USED FOR TESTING: SimplWindows Version 1.52.01
SAMPLE PROGRAM: Escient PowerPlay Demo Program
REVISION HISTORY: None