

# DVD Demystified **Second Edition**

## **Overview**

This document contains DVD barcodes that were created for the DVD disc that accompanies Jim Taylor's book, DVD Demystified 2<sup>nd</sup> edition.

## **Equipment**

In order to scan the barcodes, you will need a Pioneer barcode reader; models UC-V108BC or UC-V109BC will work in wireless or wired mode.

You will also need a Pioneer industrial/educational DVD player that supports barcode commands. These models are DVD-V7400, DVD-V7200 or DVD-V7300.

## **Operation**

Depending on how a DVD title is authored, barcodes may or may not work from menu space. So, it is best to start playing active video before you scan and transmit a barcode command to the player.

As you will note, only some areas of the DVD Demystified disc were authored to enable timecode on the video stream. Timecode is required on the video stream in order to for the barcode commands to work. This is so because frame numbers, which are derived from timecode, are used as the address arguments for random access barcode commands.

Barcodes have been created for those areas of the DVD Demystified disc that support timecode or chapter markers.

## **Barcode Software**

DVD Bar'n'Coder software is available from Pioneer New Media Technologies. For more information contact Pioneer at:

***Pioneer***

[www.pioneerusa.com](http://www.pioneerusa.com)

310-952-2111 West Coast  
201-327-6400 East Coast

# DVD Demystified Second Edition

## ABOUT DVD: DVD Disc of All Trades

Introduction



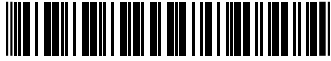
DVD & Convergence



DVD-Video



DVD-ROM



Web DVD



DVD-Audio



Writeable DVD Formats



DVD Features



DVD Applications



The Future of DVD



## ABOUT DVD: Recipe 4 DVD

Introduction



Plan & Acquire



Encode Assets



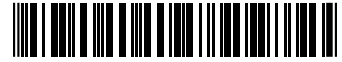
Author the DVD



Multiplex the DVD



Deliver the DVD



## ABOUT DVD: Motion Menu Tutorial

Motion Menu Tutorial



## DVD SHOWCASE: Audio

The Eagles, DTS Audio 1 (default)



The Eagles



The Eagles



DTS 5.1

Naxos Musical Journeys



DD 2 Channel

StarGaze DD 5.1 Audio 1 default



Brahms Piano Quartet DD 5.1



DD 2 Channel

StarGaze



DD 5.1

StarGaze



DTS 5.1

StarGaze



DD 2 Channel

StarGaze



Linear PCM 96/24

# DVD Demystified Second Edition

## DVD SHOWCASE: Languages

Alaska: Ice Age Chapter 1



Alaska: Alaska Chapter 2



Alaska English DD 5.1



Alaska Spanish DD 5.1



Alaska Chinese DD 5.1



Alaska French DD 5.1



Alaska German DD 5.1



Alaska Greek DD 5.1



Alaska Japanese DD 5.1



Alaska Swedish DD 5.1



Alaska Chinese Subtitles



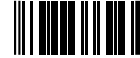
Alaska Greek Subtitles



Alaska English Subtitles



Turn Subtitles OFF



Telescope Mirror Lab



Telescope Mirror Lab  
English DD 1 Channel



Telescope Mirror Lab  
Spanish DD 1 Channel



Telescope Mirror Dual Mono 1+1  
DD 2 Channel



## DVD SHOWCASE: Anamorphic Widescreen

Last Supper Aspect Ratio Demo



Windows Media Tech Letterbox



Windows Media Tech Anamorphic



Race Car



TRW Missile Defense

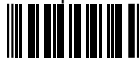


## DVD SHOWCASE: Angles

Motor Sports



Motor Sports Angle 1



Motor Sports Angle 2



Motor Sports Audio 1 Narration



Motor Sports Audio 2 Car Sounds



Robit



Robit Angle 1



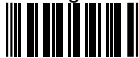
Robit Angle 2



Drive



Drive Angle 1



Drive Angle 2



# DVD Demystified Second Edition

## COOL STUFF

Dolby Headphones



Zuma Digital Design Reel



Return to Kelseyville



Mars: The Red Planet



More Tales of the City



Live Atom



Seized at Sea: Situation Critical

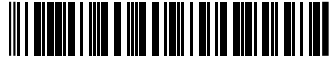


## TESTS

Video Essentials



AVIA Home Theatre



X Parade Frame Drop Test



Mixed Mode Progressive Interlaced



Inverse Telecine OFF



Inverse Telecine ON



## SUBPICTURE SAMPLES

Animated Subpicture



Colorized Subpicture



Mask Subpicture



Subtitles Subpicture



Effects with Subpicture



## MEET JIM TAYLOR, THE AUTHOR OF DVD DEMYSTIFIED

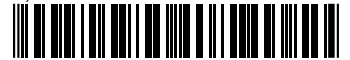
Jim, How did you get involved with DVD?



Jim, Who reads DVD Demystified?



Jim, What does DVD offer?



Jim, What do people expect from media?



Jim, Is DVD an educational medium?



Jim, Can DVD help people become smarter?



Jim, Is DVD a convergent medium?



# DVD Demystified Second Edition

## DATA RATE SAMPLES: MPEG-2 Constant Bit Rate (CBR)

MPEG-2 CBR 1.0 Mbps



MPEG-2 CBR 1.5 Mbps



MPEG-2 CBR 2.0 Mbps



MPEG-2 CBR 2.5 Mbps



MPEG-2 CBR 3.0 Mbps



MPEG-2 CBR 4.0 Mbps



MPEG-2 CBR 5.0 Mbps



MPEG-2 CBR 6.0 Mbps



MPEG-2 CBR 8.0 Mbps



MPEG-2 CBR 9.8 Mbps



## DATA RATE SAMPLES: MPEG-2 Variable Bit Rate (VBR)

MPEG-2 VBR 1.0 Mbps



MPEG-2 VBR 1.5 Mbps



MPEG-2 VBR 2.0 Mbps



MPEG-2 VBR 2.5 Mbps



MPEG-2 VBR 3.0 Mbps



MPEG-2 VBR 4.0 Mbps



MPEG-2 VBR 5.0 Mbps



MPEG-2 VBR 6.0 Mbps



MPEG-2 VBR 8.0 Mbps



MPEG-2 VBR 9.8 Mbps



## DATA RATE SAMPLES: Half D1 CBR

Half D1 CBR 1.0 Mbps



Half D1 CBR 1.5 Mbps



Half D1 CBR 2.0 Mbps



Half D1 CBR 3.0 Mbps



## DATA RATE SAMPLES: Half D1 VBR

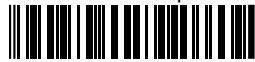
Half D1 VBR 1.0 Mbps



Half D1 VBR 1.5 Mbps



Half D1 VBR 2.0 Mbps



Half D1 VBR 3.0 Mbps



## DATA RATE SAMPLES: MPEG-1 CBR

MPEG-1 CBR 1.1 Mbps



MPEG-1 CBR 1.5 Mbps



## DATA RATE SAMPLES: MPEG-1 VBR

MPEG-1 VBR 1.1 Mbps



MPEG-1 VBR 1.5 Mbps



## ESCAPE DATA SECTION

Escape Data Samples Section

