Avid DMS Broker and ProEncode™

Version 2.7.16 ReadMe

Important Information

Avid recommends that you read all the information in this ReadMe file thoroughly before installing or using any new software release.

Important: Search the Avid Knowledge Base for the most up-to-date ReadMe file, which contains the latest information that might have become available after the documentation was published.

This document describes compatibility issues with previous releases, hardware and software requirements, software installation instructions, and summary information on system and memory requirements. This document also lists hardware and software limitations.

Before you install the Avid DMS System for the first time, ensure that you are familiar with the contents of the *Avid DMS System Installation and Operations Guide* and any other hardware or software documentation provided by Avid Technology, Inc. or third-party vendors whose products might be integrated with the DMS System.

If you are upgrading to v2.7.16, read about important changes to the software and hardware described in "Features Added in v2.7.1, v2.7.2, and v2.7.3" on page 4.

Contents

If You Need Help . . . 3
Symbols and Conventions . . . 3
Features Added in v2.7.1, v2.7.2, and v2.7.3 . . . 4
    Support for MXF and OMF Workgroup Modes . . . 4
    Support for IMX Resolutions . . . 4
Supported Avid Unity Productivity Tools . . . 4
Supported Avid Editing Applications . . . 5
    Editing Applications Supported by DMS Broker Media Browse Integration Services . . . 5
    Editing Applications Supported by ProEncode . . . 6
    Supported Operating Systems . . . 7
Upgrading ProEncode . . . 7
    ProEncode Installation . . . 7
    Supported Encoding Application Software . . . 8
    Updating Your Application Key (Dongle) . . . 8
Installation and Configuration Issues . . . 8
    DMS Media Browse Integration Service Components . . . 8
    Avid Unity MediaManager . . . 8
    Avid Unity MediaNetwork . . . 9
    DMS Broker . . . 9
    Media Browse Servers . . . 9
    Anystream Agility Workgroup Components . . . 10
Documentation Changes . . . 10
Accessing Online Support . . . 10
Fixed in v2.7.7 . . . 10
Fixed in v2.7.6 . . . 10
Limitations . . . 11
Technical Support Information . . . 17

If You Need Help

If you are having trouble using Avid DMS Broker and ProEncode:

1. Retry the action, carefully following the instructions given for that task. It is especially important to check each step of your workflow.
2. Check the Knowledge Base for latest information that became available after the documentation was published. You can find the latest version of the ReadMe file or Release Notes for your product at www.avid.com/readme.
3. Check the documentation that came with your Avid application or your hardware for maintenance or hardware-related issues.
4. Visit Avid Online Support at www.avid.com/onlineSupport/. Online support is available 24 hours per day, 7 days per week. Search the Knowledge Base to find answers, to view error messages, to access troubleshooting tips, to download updates, and to read/join online message-board discussions.

Symbols and Conventions

ReadMe documents use the following symbols and conventions:

Symbol or Convention	Meaning or Action
	A note provides important related information, reminders, recommendations, and strong suggestions.
	A caution means that a specific action you take could cause harm to your computer or cause you to lose data.
	A warning describes an action that could cause you physical harm. Follow the guidelines in this document or on the unit itself when handling electrical equipment.
>	This symbol indicates menu commands (and subcommands) in the order you select them. For example, File > Import means to open the File menu and then select the Import command.
▶	This symbol indicates a single-step procedure. Multiple arrows in a list indicate that you perform one of the actions listed.
Italic font	Italic font is used to emphasize certain words and to indicate variables.
`Courier Bold font`	Courier Bold font identifies text that you type.

Features Added in v2.7.1, v2.7.2, and v2.7.3

Features and changes to DMS Broker and ProEncode v2.7.1, v2.7.2, and v2.7.3 include:

- Provides support for Avid Unity ISIS™ media network
- Support for MXF and OMF Workgroup Modes
- Support for IMX Resolutions

Support for MXF and OMF Workgroup Modes

Avid DMS Broker and ProEncode support the following workgroup modes:

- OMF® — OMF media files and OMF metadata; supports SD workflows
- AAF — MXF media files and AAF metadata; supports HD workflows

The workgroup mode is specified during the initial configuration of the Avid Unity™ MediaManager software. For more information about workgroup modes, see the Avid Unity MediaManager Help.

Support for IMX Resolutions

DMS Broker and ProEncode support sequences containing IMX™ 30, IMX 40, and IMX 50 resolutions.

Supported Avid Unity Productivity Tools

DMS Broker v2.7.16 supports the following minimum versions:

- ProEncode v2.7.16
- Upgrade installation: Avid Unity MediaNetwork client v3.5.7, v4.1.6
- New installation: Avid Unity MediaNetwork LP client v4.2.2 or later
- Avid Unity ISIS v1.4, v1.5.1, v2.0.x (256K block size)
- Avid Unity MediaManager v4.5.19, v4.6
- Avid Unity TransferManager v2.9.24
- Avid Media Browse™ v2.7.2.2, v2.8.3.38, v2.8.5.1
- Avid Nearchive™ v1.7.4

Supported Avid Editing Applications

This section lists the Avid editing applications supported by the DMS Broker Media Browse Integration Services and ProEncode. The tables also list the workgroup mode supported by the Avid editing applications. For more information on workgroup modes, see "Support for MXF and OMF Workgroup Modes" on page 4.

DMS Broker and ProEncode only support Avid editing applications on Microsoft® Windows® systems.

Editing Applications Supported by DMS Broker Media Browse Integration Services

This section lists the Avid editing applications supported by the DMS Broker v2.7.16 Media Browse Integration Services.

Supported Editors for DMS Broker Media Browse Integration Services

Avid Editing Applications	Minimum version	Workgroup Mode Supported
Avid NewsCutter® Adrenaline™	v6.2.13, v6.2.16	MXF workgroup OMF workgroup
Avid NewsCutter XP (Avid Mojo® or software)	v6.2.13, v6.2.16	MXF workgroup OMF workgroup
Avid NewsCutter	v4.0.9	OMF workgroup

Editing Applications Supported by ProEncode

This section lists the Avid editing applications supported by ProEncode v2.7.16.

Editing Applications Supported for ProEncode

Avid Editing Applications	Minimum version	Workgroup Mode Supported
Avid Symphony™	v5.5 (Windows) v5.0.9 (Macintosh®)	OMF workgroup
Avid Media Composer® Adrenaline HD	v2.2.13, v2.2.16	MXF workgroup OMF workgroup
Avid Media Composer	v12.5 (Windows) v12.0.9 (Macintosh)	OMF workgroup
Avid Film Composer®	v12.5 (Windows) v12.0.9 (Macintosh)	OMF workgroup
Avid Xpress®	v6.0.8	OMF workgroup
Avid NewsCutter Adrenaline	v6.2.13, v6.2.16	MXF workgroup OMF workgroup
Avid NewsCutter XP (Avid Mojo or software)	v6.2.13, v6.2.16	MXF workgroup OMF workgroup
Avid NewsCutter	v4.5	OMF workgroup
Avid NewsCutter XP	v3.8 and v3.8.5	OMF workgroup

For the latest information, see the online version of this document on the Avid Knowledge Base.

For ProEncode encoding applications, see “Supported Encoding Application Software” on page 8.

Supported Operating Systems

The “Configuration Requirements” section of Chapter 1 of the *Avid DMS System Installation and Operations Guide* shows a sample configuration for DMS Broker and the Media Browse Integration services. The DMS Broker system, the Create Proxy system, and the Encoder systems all support the following software:

- Microsoft Windows 2000 Service Pack SP4
- Microsoft Internet Explorer 6.0 SP1

The ProEncode provider can run on the Encoder system.

DMS Broker clients, Media Browse Services clients, and ProEncode clients run on Avid editing systems. Those systems support the following software, depending on the Avid editing system:

- Microsoft Windows XP with Service Pack 2
- Microsoft Windows 2000 with Service Pack 4
- Microsoft Internet Explorer 6.0 SP1

Upgrading ProEncode

The following information relates to upgrading an existing ProEncode installation to ProEncode v2.7.16.

Udev00191446 If you are upgrading from v2.7.12 or earlier to DMS Broker and ProEncode v2.7.16, use the Add or Remove Programs in the Control Panel to remove the Sentinel™ System Driver v5.39.2. When you install DMS Broker and ProEncode v2.7.16 the Sentinel Protection Installer v7.0.0 is installed.

ProEncode Installation

To install the upgrade version of ProEncode:

1. Uninstall the previous version of ProEncode by using the Control Panel.
2. Restart your computer.
3. Install ProEncode from the DMS Services v2.7.16 CD-ROM.

For details on installing ProEncode and the encoding applications Anystream® Agility® Workgroup or Telestream FlipFactory™, see the “Installing Encoding Applications” appendix in the *Avid DMS System Installation and Operations Guide*.

For more information, see “ProEncode” on page 12 in the “Limitations” section.

Supported Encoding Application Software

This release requires the following versions of encoding software:

- Anystream Agility Workgroup v4.0
- Telestream FlipFactory v3.1 or v4.1

Updating Your Application Key (Dongle)

If you are upgrading from ProEncode v2.5, you do not need to update your application key (also known as a dongle).

If you are upgrading from a version of ProEncode earlier than v2.5, you must update the application key. You can obtain the versioner needed to update your dongle at the following web page:

www.avid.com/support/

The ProEncode versioner is located in the Avid Unity MediaNetwork and LANshare area.

Installation and Configuration Issues

The information in this section is necessary for a successful installation.

After installing the latest version of DMS Broker, Media Browse Services or ProEncode, if you decide to reinstall an older version, make sure you use the Control Panel to uninstall the latest version before reinstalling the older version.

The remainder of the information in this section is identical to the Installation and Configuration Issues section in the Avid DMS System Installation and Operations Guide*.*

DMS Media Browse Integration Service Components

All DMS Media Browse Integration Service components must be attached to the same PortServer (DMS Broker and providers, Agility server and encoders, and Media Browse, running the on-line Unity service).

Use the Connection Manager to mount the workspaces that will be used by the services.

Avid Unity MediaManager

When you install Avid Unity MediaManager, at least one Avid Unity MediaNetwork workspace must be mounted, otherwise delete operations will fail.

Avid Unity MediaNetwork

Manually create a Windows user/password during the MediaManager installation. This user must also be created on Avid Unity MediaNetwork. This allows MediaManager to communicate with Avid Unity MediaNetwork.

The DMS Administrator should have the same password as the MediaManager administrator.

DMS Broker

When you install DMS Broker, consider the following relating to mounted workspaces:

- Connection Manager must be installed and configured to the same local PortServer as other DMS Media Browse Service components.
- Mount the “encoder input directory” workspace and the “encoder output directory” workspace defined in the Proxy Transcode Provider Settings dialog box.
- Mount the “workspace for mixdown” workspaces defined in the Nearchive Audio/Video Mixdown Provider Settings dialog box and the Create Proxy Provider Settings dialog box.

The user created during the Media Browse installation must also be created on the DMS system using the DMS Administration tool.

For login, the user connecting to the Connection Manager application must also be a user on PortServer and Avid Unity MediaManager.

Media Browse Servers

When you install Media Browse Servers, consider the following relating to mounted workspaces:

- Connection Manager must be installed and configured to the same local PortServer as other DMS Media Browse Integration Service components.
- No Unity workspace needs to be mounted.

The low-resolution storage server needs a user with administrator access.

Anystream Agility Workgroup Components

When you install Anystream Agility workgroup components, consider the following relating to mounted workspaces:

- Connection Manager must be installed and configured to the same local PortServer as other DMS Media Browse Service components.
- No Unity workspace needs to be mounted.

For information on installing ProEncode with Anystream Agility, see the "Installing Encoding Applications" appendix in the Avid DMS System Installation and Operations Guide.

Documentation Changes

For additional information on DMS Broker and ProEncode, see the *Avid DMS System Installation and Operations Guide.* This guide provides information on the installation, configuration, and diagnostics for the basic DMS System. The guide also describes how to install and use ProEncode and Anystream Agility. An online version of this guide is installed with the DMS Broker software, and is also available on the Avid Knowledge Base.

Accessing Online Support

Avid Online Support is available 24 hours per day, 7 days per week. Search the Knowledge Base to find answers, to view error messages, to access troubleshooting tips, to download updates, and to read/join online message-board discussions.

To access Avid Online Support:

- Go to www.avid.com/onlineSupport/.

Fixed in v2.7.7

- UDEV00166657 Sending multiple sequences from several different editors at the same time can cause Create Proxy to quit and or java runtime error. This prevents any pending Create Proxy jobs from being processed. This has been fixed.

Fixed in v2.7.6

- UDEV00216135 Avid DMS ProEncode v2.7.5 ExportToHarrisProvider v1.0 installer needs to install mmclientvc7.dll in System32 folder. This has been fixed.

Limitations

DMS Broker Database

➤ If DMS Broker operations are failing after you install the DMS software, check for the following message in the DMS Broker Status (History) window:

> "Database could not be contacted. Please check your DMS configuration and restart the Broker."

If this message appears, you must run a script to install the dmsdb database used by the DMS Broker.

Workaround: Use the following procedure.

1. Close the DMS Broker.
2. Ensure that the SQL server is running. You can see the SQL Server icon in the taskbar.
3. Navigate to the following location:

   C:\Program Files\Avid\DMS\Broker\DBScript
4. Double click DBInstall.bat to install the dmsdb database.
5. Restart the DMS Broker.

DMS Administration Tool

➤ Yoda00006842 DMS doesn't automatically refresh the provider list when the same user is logged into different browsers and deletes or adds a provider. If you are logged into two different browsers and delete or add a provider from one browser, the other browser does not automatically update the list. If you click on the deleted provider in the second browser, the system displays numerous Java error messages.

Workaround: Go to the second browser and click on any menu other than Provider, for example, Users. Then click the Providers menu and the list is refreshed with the latest information.

➤ Yoda00005276 The DMS Broker user name is not case sensitive. For example, the following user names are equivalent: AVID, Avid, and avid.

Workaround: System administrators must make sure the user names are unique in other ways when they are set up.

➤ Yoda00006242 Clicking on the Refresh button in the browser while the DMS Administration is active, returns to the login screen for DMS Administration.

Workaround: Use the DMS application Refresh button within the DMS Administration to refresh the DMS Administration. If the browser Refresh button is clicked, you must log in again.

DMS Services

➤ Udev00164295 Udev00183328 In an OMF workgroup, if you send sequences that contain two audio tracks to a playback device, the low resolution version of the sequence fails.

Workaround: You can either perform a mixdown of the sequence before sending it to the playback device or you can use Create Proxy after the Send to Playback.

➤ Yoda00010479 Greylock The following intermediate files are checked into MediaManager but are not automatically deleted from the Workgroup:

- The Create Proxy service generates a new .dms sequence and a new .flatten master clip.
- When you use Send To Playback, a .transfer sequence may also be generated if a mixdown needs to occur before transferring to the playback device.

Workaround: Periodically search for these files in MediaManager and delete them.

➤ Yoda00006128 PAL 420 Titles created over PAL 411 media do not flatten correctly when using the Media Browse services.

Workaround: Use the Clip > Re-create Titles and Mattes command within the Avid editing application and save the title as PAL 411 to match the video media type.

ProEncode

➤ Yoda00016017 Jobs sent to ProEncode containing non-English characters might fail.

Workaround: Change the name to all English characters and resubmit the job.

➤ UDEV00174186 A “Send to ProEncode” operation can fail if the editor is on a fibre connection and the ProEncode system is on an Ethernet connection or vice versa.

Workaround: Install the ProEncode software on a system with the same type of connection as the Avid editor.

- UDEV00144217 Limitation When installing the ProEncode client on the same system as an Avid editing application, you must reinstall ProEncode after installing the editor application or other application that uses Java. You must do this to install the correct Java environment required for ProEncode.

  Workaround: Reinstall the ProEncode client on the Avid editing application system. This installs the Java version that ProEncode requires.

- UDEV00164663 ProEncode does not process uncompressed 30i media.

- UDEV00164662 ProEncode does not process 1080p 23.976 media or 720p 59.94 media correctly. The output file plays back in split screen. The problem exists for all 1080p 23.976 and 720p 59.94 resolutions.

- UDEV00164662 ProEncode also does not process 1080i 50 correctly. The output image is shifted up a third of the screen with black on the bottom of the image.

- UDEV00158424 Limitation ProEncode (using Anystream) cannot process sequences containing mixed resolutions. The processed video might contain flashing green frames.

- Yoda00018253 If you send a sequence containing video filler to ProEncode the sequence is not processed correctly. You might receive media corruption errors.

  Workaround: Before you send the sequence to ProEncode, perform a video mixdown on the sequence. Replace the original video track with the mixed down video and then send to ProEncode. Note that audio tracks can contain filler.

- Yoda00018254 When updating a ProEncode client, the installer does not install cleanly if you do not first uninstall the existing ProEncode.

  Workaround: When updating ProEncode, do the following:

  1. Use the Control Panel to uninstall ProEncode.
  2. Reboot your system.
  3. Install ProEncode.

- Yoda00017057 If you not periodically delete the temporary files that Anystream Agility creates, you get a disk full error.

  Workaround: Periodically delete the MPEG files in this folder: <drive>:\Media\preprocess.

Video Render and Checkin

➤ Yoda00016820 The Media Browse Services installation program installs the Video Render and Checkin service in a directory with an incorrect name and names the service file incorrectly. The DMS documentation states that the directory is as follows:

<drive name>\Program Files\Avid\VideoRenderCheckin

and that the service file is named VideoRenderCheckin.zip. However, the installation program creates the following directory:

<drive name>\Program Files\Avid\SendToProTools

and names the service file SendToProTools.zip

Workaround: The service works correctly even with the incorrect pathnames. To install the Video Render and Checkin service, select the following file:

<drive name>\ProgramFiles\Avid\SendToProTools\SendToProTools.zip.

Create Proxy

➤ UDEV00174630 If you send sequences containing PAL DV25 420 plus filler to Create Proxy, the Create Proxy provider hangs.

Workaround: If possible, use PAL DV25 411 media.

➤ Yoda00017051 If the Create Proxy working directory becomes full, the following errors might be displayed when you send a job that uses the Create Proxy service:

- Disk Full error messages
- OMFI_ERR: Frame Index out of range
- Send Frame Exception

Workaround: Do the following:

1. Free up disk space on the mounted workspace that Create Proxy uses as a workspace. (This is the “Workspace for Mixdowns” that you specify when you configure the Create Proxy service provider.)
2. Restart the Create Proxy service.

Transcode Service

- UDEV00174633 When you are using Proxy Transcode and Anystream Agility; if you send sequences containing PAL DV25 420 to Proxy Transcode, the operation fails with an "unsupported input video format error."

- Yoda00007108 An imported audio master clip can be sent successfully to Nearchive, but there is no resulting Create Proxy or Transcode job. There is no low-resolution video equivalent in Media Browse to retrieve the clip if required. For example, import an .mp3 file into a bin, either through direct import or desktop checkin. Next, send the resulting audio master clip to DMS for Nearchive Audio/Video Mixdown job. The Nearchive job completes successfully, but no other jobs are generated. Media Browse does not submit a transcode job.

  Workaround: Creating a sequence using this media only allows for a Create Proxy job (successful) and a Transcode job (failed due to an audio-only bug). Creating a sequence using this media with a blank video track successfully created and processed Nearchive, Create Proxy, and transcode jobs.

FlipFactory

- Yoda000016546 FlipFactory jobs might fail with an "unable to decode input file" error. The QuickTime Reference movie is playable on the Flip server when the Avid editing application is on the same Portserver platform. This happens because the FlipFactory service is running as a local user that does not have read/write permission on Avid Unity. You need to run the FlipFactory service as a user that has read/write permission to Avid Unity.

  Workaround: Use the following procedure to run the FlipFactory service as a user with read/write permission on Avid Unity:

  1. Right-click My Computer on the desktop and select Manage.
  2. Select Services and Applications.
  3. Select Services.
  4. Locate the Flip service.
  5. Right click the Flip service and select Properties.
  6. Click the Log On tab.
  7. Select This Account.
  8. Enter the name of a user who has access to Unity volumes. This could be the same user that you use for Connection Manager.
  9. Add the user's password and click OK.
  10. Right-click on Services again and select Restart to restart the service.

Jobs

- Yoda00009068 There is a time lag of up to 30 seconds when you try trying to cancel multiple jobs that may allow some of the jobs to complete before the cancel command is accepted.

  Workaround: You must cancel each job individually and wait for it to succeed before attempting to cancel another. The cancel queue acts as if it can only hold one job at a time per provider.

- Yoda00008794 In the DMS Admin tool on the Jobs page, when you filter by a service, for instance, Filter by Proxy Transcode, select the whole page, and delete the whole page, the next page presented is filtered by “All Services” even though “Proxy Transcode” appears to still be selected.

  Workaround: Filter the list again by selecting the parameters in the Control frame and clicking the Filter button.

- Yoda00007918 Deleting a job from a filtered list returns the full unfiltered list for results--job is deleted successfully. For example, submit several jobs to DMS for Create Proxy service and Transcode service. Filter the DMS jobs list to display only the Create Proxy jobs. Next, delete a Create Proxy job. The refreshed jobs list will include the Create Proxy jobs as well as Transcode jobs.

  Workaround: Filter the list again by selecting the parameters in the Control frame and clicking the Filter button.

Provider

- Yoda00006842 DMS doesn't automatically refresh the provider list when the same user is logged into different browsers and deletes or adds a provider. If you are logged into two different browsers and delete or add a provider from one browser, the other browser does not automatically update the list. If you click on the deleted provider in the second browser the system displays numerous Java error messages.

  Workaround: Go to the second browser and click on any menu other than Provider, for example, Users. Then click the Providers menu and the list is refreshed with the latest information.

- Yoda00007920 Registering a Provider shows only the most recent registered Provider. For instance, register a Provider for a service. Next, register another Provider for a different service. After the second registration, you will see only the second Provider, not both Providers.

  Workaround: To see all Providers, you must refresh the page or filter the page. If the filter button is selected, all Providers are viewable.

Proxy Transcode Provider

- Yoda00015004 Within an environment that contains multiple Proxy Transcode Providers, only the Proxy Transcode Provider processing a job can cancel that particular job.

- Yoda00006192 Transcode provides must have at least one MediaNetwork workspace mounted to allow checkout from MediaManager. For example, if a job is submitted to the DMS for transcode and the Transcode provider is on a PC without a workspace mounted, the job fails and displays a “couldn't checkout from MediaManager” error message. The file is not transcoded.

  Workaround: To successfully submit a clip for transcoding, mount a single workspace on the PC where the Transcode provider resides.

Technical Support Information

Most products feature a number of coverage options. Avid Assurance service offerings are designed to facilitate your use of Avid solutions. Service options include extended telephone coverage, automatic software maintenance, extended hardware warranty, and preferred pricing on replacement parts. Offerings and options may vary by product and are not available for all products.

For more information regarding Avid’s service offerings, visit www.avid.com/support or call Avid Sales at 800-949-AVID (800-949-2843).

Program availability and details might vary depending on geographic location and are subject to change without notice. Contact your local Avid office or your local Avid Reseller for complete program information and pricing. However, if you need help locating an Avid office or Avid Reseller near you, please visit www.avid.com or call in North America 800-949-AVID (800-949-2843). International users call 978-275-2480.

Copyright and Disclaimer

Product specifications are subject to change without notice and do not represent a commitment on the part of Avid Technology, Inc.

The software described in this document is furnished under a license agreement. You can obtain a copy of that license by visiting Avid's Web site at www.avid.com. The terms of that license are also available in the product in the same directory as the software. The software may not be reverse assembled and may be used or copied only in accordance with the terms of the license agreement. It is against the law to copy the software on any medium except as specifically allowed in the license agreement.

Avid products or portions thereof are protected by one or more of the following United States Patents: 4,970,663; 5,267,351; 5,309,528; 5,355,450; 5,396,594; 5,440,348; 5,467,288; 5,513,375; 5,528,310; 5,557,423; 5,577,190; 5,584,006; 5,640,601; 5,644,364; 5,654,737; 5,715,018; 5,719,570; 5,724,605; 5,726,717; 5,729,673; 5,745,637; 5,752,029; 5,754,851; 5,799,150; 5,812,216; 5,828,678; 5,842,014; 5,852,435; 5,999,406; 6,038,573; 6,061,758; 6,141,007; 6,211,869; 6,532,043; 6,546,190; 6,596,031; 6,636,869; 6,747,705; 6,763,523; 6,766,357; 6,813,622; 6,847,373; 7,081,900; RE40,107; 7,403,561; 7,433,519; D352,278; D372,478; D373,778; D392,267; D392,268; D392,269; D395,291; D396,853; D398,912.
Other patents are pending.

This document is protected under copyright law. An authorized licensee of Avid DMS Broker and ProEncode may reproduce this publication for the licensee's own use in learning how to use the software. This document may not be reproduced or distributed, in whole or in part, for commercial purposes, such as selling copies of this document or providing support or educational services to others. This document is supplied as a guide for Avid DMS Broker and ProEncode. Reasonable care has been taken in preparing the information it contains. However, this document may contain omissions, technical inaccuracies, or typographical errors. Avid Technology, Inc. does not accept responsibility of any kind for customers' losses due to the use of this document. Product specifications are subject to change without notice.

Copyright © 2009 Avid Technology, Inc. and its licensors. All rights reserved.

Attn. Government User(s). Restricted Rights Legend

U.S. GOVERNMENT RESTRICTED RIGHTS. This Software and its documentation are "commercial computer software" or "commercial computer software documentation." In the event that such Software or documentation is acquired by or on behalf of a unit or agency of the U.S. Government, all rights with respect to this Software and documentation are subject to the terms of the License Agreement, pursuant to FAR §12.212(a) and/or DFARS §227.7202-1(a), as applicable.

Trademarks

003, 192 Digital I/O, 192XD I/O, 888 I/O, Adrenaline, AirPlay, AirSPACE, AirSPACE HD, AirSpeed, ALEX, Alienbrain, AniMatte, AudioMarket, AudioPages, AudioSuite, AudioVision, AutoSync, Avid, Avid Advanced Response, Avid DNA, Avid DNxcel, Avid DNxHD, AVIDdrive, Avid DS Assist Station, Avid EditStar, Avid Learning Excellerator, Avid Liquid, Avid Liquid Chrome Xe, Avid MEDIArray, Avid Mojo, AvidNet, AvidNetwork, Avid NewStar, Avid Remote Response, AVIDstripe, Avid Unity, Avid Unity ISIS, Avid VideoRAID, Avid Xpress, AVoption, AVX, Beauty Without The Bandwidth, Blacktooth, Boom, C|24, CamCutter, CaptureManager, ChromaCurve, ChromaWheel, Command|24, Conectiv, CountDown, DAE, Dazzle, Dazzle Digital Video Creator, Deko, DekoCast, D-Fi, D-fx, DigiDelivery, Digidesign, Digidesign Audio Engine, Digidesign Intelligent Noise Reduction, DigiDrive, DigiLink, DigiMeter, DigiSerial, Digital Nonlinear Accelerator, DigiTranslator, DINR, DNxchange, do more, DVD Complete, D-Verb, Eleven, Equinox, EveryPhase, ExpertRender, Fastbreak, Fast Track, FieldPak, Film Composer, FilmScribe, Flexevent, FluidMotion, FXDeko, G7, G-Rack, HD Core, HD Process, HDPack, Hollywood DV-Bridge, Hybrid, HyperControl, HyperSPACE, HyperSPACE HDCAM, IllusionFX, Image Independence, iNEWS, iNEWS Assign, iNEWS ControlAir, Instantwrite, Instinct, Intelli-sat Broadcasting Recording Manager, Intelli-Sat, InterFX, Interplay, inTONE, Intraframe, iS9, iS18, iS23, iS36, ISIS, IsoSync, KeyRig, KeyStudio, LaunchPad, LeaderPlus, Lightning, ListSync, Lo-Fi, Magic Mask, Make Anything Hollywood, make manage move | media, Marquee, M-Audio, M-Audio Micro, Maxim, Mbox, MCXpress, Media Browse, Media Composer, MediaDock, MediaDock Shuttle, Media Fusion, Media Illusion, MediaLog, Media Reader, Media Recorder, MEDIArray, MediaShare, MediaStream, Media Suite, Meridien, MetaFuze, MetaSync, MicroTrack, Midiman, MissionControl, Mix Rack, MixLab, Moviebox, Moviestar, NaturalMatch, Nearchive, NetReview, NewsCutter, Nitris, NRV-10 interFX, Octane, OMF, OMF Interchange, OMM, OnDVD, Open Media Framework, Open Media Management, Palladium, Pinnacle, Pinnacle DistanTV, Pinnacle Geniebox, Pinnacle HomeMusic, Pinnacle MediaSuite, Pinnacle Mobile Media, Pinnacle PCTV, Pinnacle PCTV HD Ultimate Stick, Pinnacle PCTV Nano Stick, Pinnacle PCTV To Go, Pinnacle Scorefitter, Pinnacle Studio, Pinnacle Studio MovieBoard, Pinnacle Systems, Pinnacle VideoSpin, ProEncode, ProServices, ProSessions, Pro Tools, QuietDrive, Recti-Fi, Reel Tape Delay, Reel Tape Flanger, Reel Tape Saturation, RetroLoop, rS9, rS18, Salesview, Sci-Fi, Scorch, Scorefitter, ScriptSync, SecureProductionEnvironment, Session, Show Center, Sibelius, SIDON, Soft SampleCell, Soft-Clip Limiter, Sound Designer II, SPACE, SPACEShift, SpectraGraph, SpectraMatte, Starplay, SteadyGlide, Streamfactory, Streamgenie, StreamRAID, Strike, Structure, Studiophile, SubCap, Sundance Digital, Sundance, Symphony, SYNC HD, SynchroScience,

SynchroScope, Syntax, Targa, TDM FlexCable, Thunder, Titan, Titansync, TL Aggro, TL AutoPan, TL Drum Rehab, TL Everyphase, TL FauxIder, TL In Tune, TL MasterMeter, TL Metro, TL Space, TL Utilities, Torq, Torq Xponent, Transfuser, Trigger Finger, Trillium Lane Labs, TruTouch, UnityRAID, Vari-Fi, Velvet, Venom, VideoRAID, Video Slave Driver, VideoSPACE, VideoSpin, Vortx, Xdeck, X-Form, Xmon, Xponent, X-Session, and X-Session Pro are either registered trademarks or trademarks of Avid Technology, Inc. in the United States and/or other countries.

Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks contained herein are the property of their respective owners.

Avid DMS Broker and ProEncode Version 2.7.16 ReadMe • 0130-30148-01 Rev. A • March 2009 • 04/03/09 12:41 This document is distributed by Avid in online (electronic) form only, and is not available for purchase in printed form.