



Avid Unity™ TransferManager

Version 2.9.19 Release Notes

Revision History

Date Revised	Changes Made
September 12, 2007	Revised supported versions of Avid Unity ISIS product, support for v1.4 when released. See “Supported Avid Unity ISIS Media Network” on page 31 . This document is more up-to-date than the file on the application CD.

Important Information

Avid® recommends that you read all the information in these release notes thoroughly before installing or using any new software release.

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

This document describes software requirements, software installation, and software configuration information. This document also lists hardware and software limitations.



If you are upgrading to v2.9.19, read about important changes to the software and hardware described in [“Upgrading from Previous TransferManager Releases” on page 33](#).

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If You Need Help

If you are having trouble using Avid Unity TransferManager:

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

Release notes 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.
<i>Italic font</i>	Italic font is used to emphasize certain words and to indicate variables.
Courier Bold font	Courier Bold font identifies text that you type.

Changes in v2.9.19

Avid Unity TransferManager v2.9.19 includes the following changes:

- Support has been added for the new dongle manager application. The DongleDumper utility has been replaced with DongleManager. The DongleManager is located in:
Program Files\Avid\<Product>\Utilities\DongleManager
- You no longer need to restart the TransferManager application every week to reset log files. TransferManager now has automatic clean-up of log files and temp folders.

Changes in v2.9.9

Avid Unity TransferManager v2.9.9 includes the following changes:

- When you perform a Send to Playback, the Transfer Status window now correctly displays transfers to AirSpeed® Studio and AirSpeed.
- Improves compatibility with other Avid products.

Features Added in v2.9.x

Features and changes to Avid Unity TransferManager v2.9.x include:

- Support for Avid Unity ISIS™ media network.
- Support for ingesting from and playback to third-party devices that use the MXF DHM OP1a file format. This feature requires Microsoft® NET Framework 1.1. See [“TransferManager MXF OP1a FTP DHM Overview”](#) on page 8.



When you are using the DongleDumper application v6.2.0 or v6.1.0, the FTP DHM option appears as “Transition Wipes” instead of “FTP DHM.”

- Support for HDV format for workgroup-to-workgroup transfers.
- Support for MXF/AAF media. MXF media created and edited in an Avid editing application can be shared in an Avid MXF workgroup environment with other Avid MXF-compatible devices such as Avid Adrenaline™ HD editors. For a description of compatible issue between the various Avid products when working in an MXF workgroup, see the Avid Unity MediaManager Help.



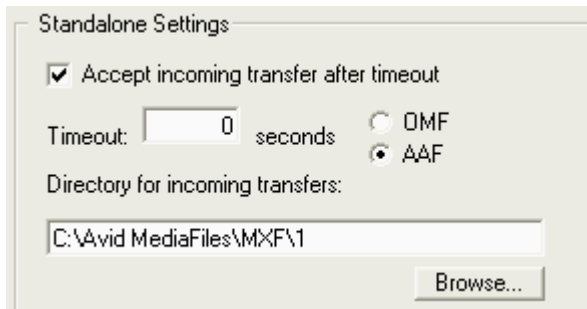
Any third-party video servers included in an Avid MXF workgroup must support integration with an Avid MXF workgroup. Check with the manufacturers of the third-party video servers to verify that your video servers support Avid MXF workgroups.

Supported Transfers Between Workgroup Modes


Transfer Allowed	Source Workgroup Mode	Destination Workgroup Mode	Metadata Format	Media Format	Media Destination Folder
Yes	OMF®	OMF	OMF	OMF	OMFI MediaFiles
Yes	OMF	MXF	OMF	OMF	OMFI MediaFiles
NA ^a	OMF		AAF		
NA ^a	OMF			MXF	
No	MXF	OMF			
Yes	MXF	MXF	AAF	MXF	Avid MediaFiles/MXF
Yes	MXF	MXF	AAF	OMF	OMFI MediaFiles
Yes	MXF	MXF	OMF	OMF	OMFI MediaFiles

a. Only the HD and SD 1:1 10-bit MXF media are supported in an OMF workgroup. For more details, see “Working in an OMF Workgroup Mode” in the MediaManager Help.

- Standalone TransferManager provides settings to support MXF/AAF media. The following settings are located in the Standalone Settings area of the TransferManager Server Configuration window.



Standalone TransferManager Server Configuration Options

Option	Description
OMF AAF	Select either OMF or AAF depending on the type of media files being transferred.
Directory for incoming transfers	<p>This is the directory where TransferManager place the incoming transfers. This must be a valid media files directory. Click Browse to locate a valid directory.</p> <p>The default directories are:</p> <p>In OMF mode - OMFI MediaFiles</p> <p>In AAF mode - Avid MediaFiles\MXF\1</p> <p> <i>For better performance when media files grow beyond 10,000 files in the primary directory \1, you need to change the Directory for incoming transfers to Avid MediaFiles\MXF\2.</i></p>

- Send to Playback Device is now available from the Avid ProLog Player, when a workgroup is configured with a TransferManager or supported playback device.
 - For information about using this feature, see the Avid Unity MediaManager Help.
 - For information on configuring the TransferManager client with playback devices, see [“Installing the TransferManager Client Software” on page 44.](#)
 - For information on configuring the settings in the Playback area of the TransferManager Server Configuration window on the TransferManager server, see the table in [“Installing the TransferManager Server Software” on page 36.](#)
- Frame Chase editing feature lets an Avid editor view and edit clips when capturing from a supported external device. The Avid editing system must be a client in an MXF workgroup that includes TransferManager. For information about this feature, see “Using Frame Chase Editing” in the MediaManager Help.
- Expanded third-party video server support via APIs. See [“Ingesting From FTP Deck Devices” on page 20.](#)
- You can choose to associate a MediaManager Catalog with an ingest device. When performing an ingest, the catalog contains clips of the media that successfully transfer from the ingest device. See [“Configuring an Ingest Device Catalog” on page 26.](#)
- You can choose to associate a MediaManager Catalog with a playback device. When performing a send to playback, the catalog contains clips of the media that successfully transfers to the playback device. See [“Configuring the Send to Playback Device Catalog” on page 27.](#)

TransferManager MXF OP1a FTP DHM Overview

To enable interoperability between Avid Unity family and third-party devices that use the MXF OP1a file format, Avid has developed an optional Avid Unity TransferManager Data Handling Module (DHM) plug-in that supports FTP integration to third-party MXF OP1a compliant devices. The TransferManager MXF OP1a FTP DHM allows MXF OP1a files to be brought into an Avid Unity, Avid Unity ISIS, or an Avid editing environment from an FTP server. You can also export Avid media files in MXF OP1a format to an FTP server using this same MXF OP1a FTP DHM.

The Avid FTP Media Browser application allows you to browse the contents of an FTP server to select the MXF OP1a files that you want to import into the Avid system. The MXF OP1a FTP DHM rewraps the imported files in either OMF format (OMF workgroup) or Avid MXF-OP-Atom format (MXF/AAF workgroup).

The MXF OP1a FTP DHM supports IMX 30, 40, 50, DV25, and DV50 in PAL and NTSC. The media format is not changed during the import process, just the metadata wrapper. Supported audio is 16-bit or 24-bit sampled at 48 kHz with up to 8 audio tracks. The MXF OP1a FTP DHM also supports the export of Avid IMX™ 30, 40, 50, DV25, and DV50 media to an FTP server in MXF OP1a format.

The TransferManager MXF OP1a FTP DHM was written to support MXF OP1a files that match the MXF OP1a reference standard. Because some vendors implement MXF OP1a support in a way that deviates from the reference standard, Avid cannot guarantee support for devices that do not comply with the reference standard. In addition, Play While Transfer, Overwrite, Frame-Chase Editing, and partial transfer capabilities are not supported with the MXF OP1a FTP DHM.

Transferring To and From Generic FTP Servers

TransferManager supports ingest from and playback to File Transfer Protocol (FTP) servers that are compliant with FTP. You can transfer completed media sequences between Avid editing applications and generic FTP type servers.

The FTP transfer of media is over standard TCP/IP Ethernet network. The FTP DHM supports connections to a FTP server using a valid DNS name or IP address. The FTP DHM can work with FTP servers on different subnets than the TransferManager server.



Microsoft .NET Framework 1.1 must be installed on the TransferManager server and TransferManager client systems when you are using FTP DHM. You can install .NET Framework during the TransferManager installation.

During the transfer, the FTP DHM component supports the Run, Pause, Resume, Retry, and Cancel functions that are available from the TransferManager server. Pause and Resume functions are constrained by the time-out setting on the FTP server. The components support multi-threaded operations that allow for simultaneous transfer operations to occur.



If you cancel a transfer before it is complete, the part of the transfer that succeeded before the cancellation remains on the server.

You must do the following to integrate a FTP server into a workgroup:

- Select “TransferManager Server with Supplemental FTP Services” as the installation type when installing the TransferManager server application. See [“Installing the TransferManager Server Software” on page 36](#).
- Configure the FTP parameters for the FTP server. See [“Configuring the FTP Parameters for an FTP Server” on page 9](#).
- Configure an FTP playback device using the TransferManager Server Configuration tool. See [“Configuring a Generic FTP Playback Device into a Workgroup” on page 12](#).
- Configure an FTP ingest device using the TransferManager Server Configuration tool. See [“Configuring a Generic FTP Ingest Device into a Workgroup” on page 13](#).
- Create an FTP directory profile. See [“Creating and Editing FTP Directory Profiles” on page 13](#).

For FTP transfer workflows, see the following sections:

- [“Workflow: Ingesting Clips From an FTP Server” on page 16](#)
- [“Workflow: Playback to an FTP Server” on page 19](#)

Configuring an FTP Server, FTP Playback, and FTP Ingest Devices

The TransferManager Server Configuration tool provides areas for configuring an FTP server, FTP playback, and FTP ingest devices.

Configuring the FTP Parameters for an FTP Server

When adding an FTP server to your workgroup environment, you need to configure the server’s FTP parameters.

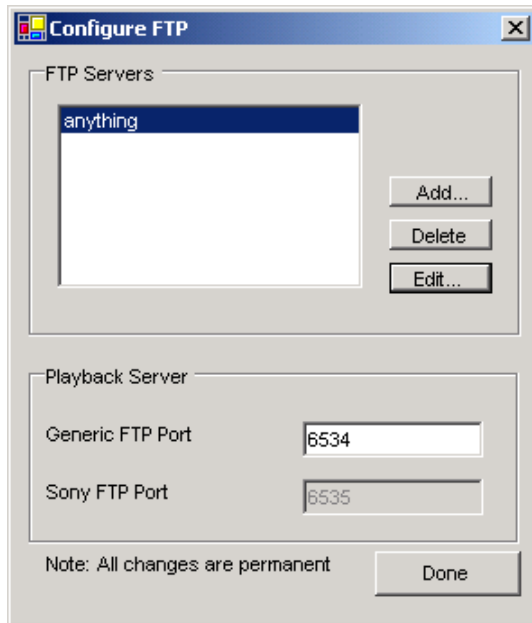
To configure FTP servers in a workgroup:

1. On your TransferManager server, click the Start button, and select Programs > Avid > TransferManager Server Configuration.

The TransferManager Server Configuration window opens.

2. Click the Configure FTP Parameters button.

The Configure FTP dialog box opens.



3. Click Add.

The FTP Server dialog box opens.

4. Enter the following setup information for the FTP server you are configuring:

FTP Server configuration

Setting	Description
Profile Name	Displays the name of this profile.
Server Name	Type the name of the FTP server.
Username	Type the user name used to connect to the FTP server.
Password	Type the password used to connect to the FTP server.
Server Type	Displays the type of server in the workgroup: Generic_FTP.
FTP Connection Information	
Default Directory	Displays the directory on the FTP server where data is sent to or retrieved from.
FTP Mode	Displays the FTP mode as active.
FTP Port Address	Displays the FTP connection port is set to 21.

5. Click OK.

6. Type the port number in the Generic FTP Port text box.
7. Click Done.

Configuring a Generic FTP Playback Device into a Workgroup

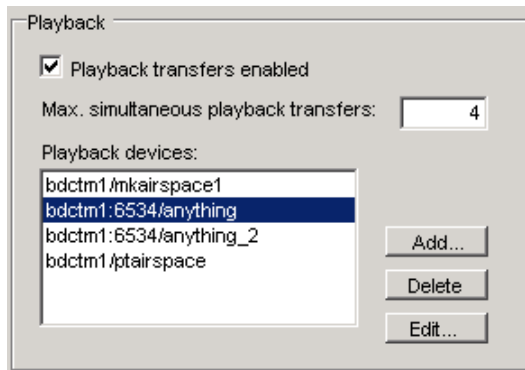
When adding a Generic FTP playback device into your workgroup environment, you need to configure the device using the TransferManager Server Configuration tool.

To add a generic FTP playback device into a workgroup:

1. On your TransferManager server, click the Start button, and select Programs > Avid > TransferManager Server Configuration.

The TransferManager Server Configuration window opens.

2. In the Playback area, click Add.



3. In the Device dialog box, type the name associated with the Generic FTP playback device on the network, for example: bdctm1:6534/anything, where

- **bdctm1** is the TransferManager server name
- **6534** is the Generic FTP port address for the playback device



The port number used for the playback device must match the Generic FTP Port number on the Configure FTP dialog box. See “Configuring the FTP Parameters for an FTP Server” on page 9.

- **anything** is the FTP profile name that contains the information required to connect to a particular directory on a FTP server. See “Creating and Editing FTP Directory Profiles” on page 13.
4. Click OK.
 5. Click Save.

Configuring a Generic FTP Ingest Device into a Workgroup

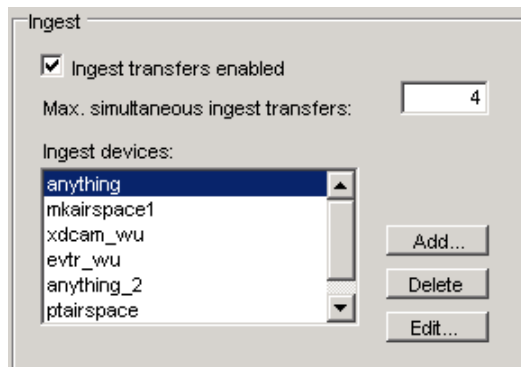
When adding a Generic FTP ingest device into your workgroup environment, you need to configure the device using the TransferManager Server Configuration tool.

To add a Generic FTP ingest device into a workgroup:

1. On your TransferManager server, click the Start button, and then select Programs > Avid > TransferManager Server Configuration.

The TransferManager Server Configuration window opens.

2. In the Ingest area, click Add.



3. In the Device dialog box, type the name of the FTP profile that contains the information required to connect to a particular directory on a FTP server. See [“Creating and Editing FTP Directory Profiles”](#) on page 13.
4. Click OK.
5. Click Save.

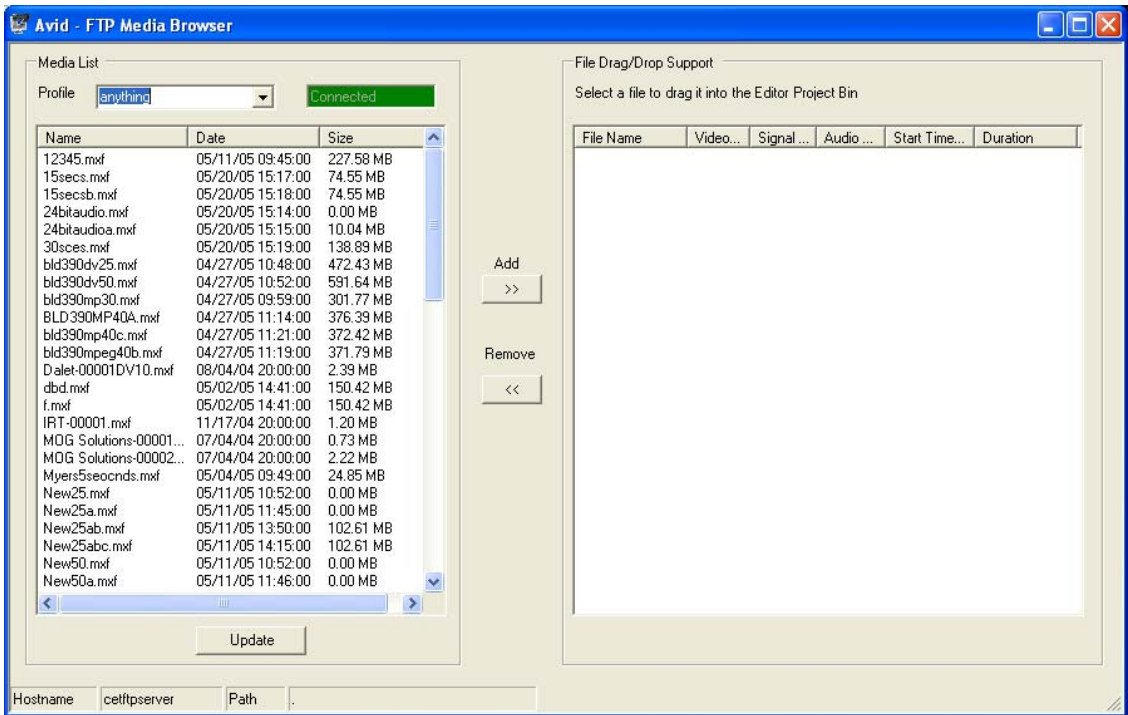
Creating and Editing FTP Directory Profiles

When a workgroup includes an FTP server, you need to create FTP directory profiles that allow the FTP server to connect with the Avid editing system.

To create and edit FTP server profiles:

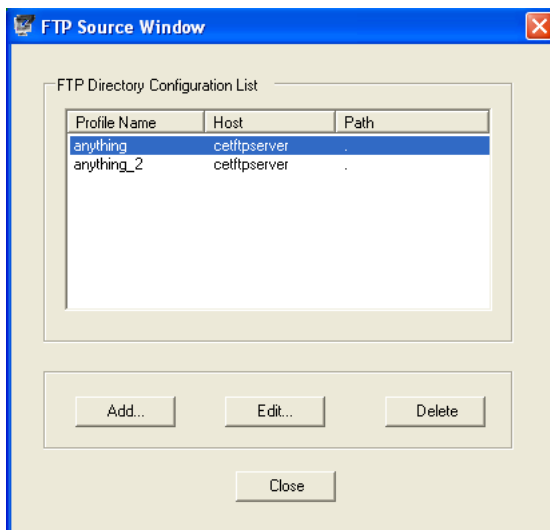
1. From the Avid editing system, click the Start button, and then select All Programs > Avid > Utilities > Avid FTP Media Browser.

The Avid - FTP Media Browser opens.



2. Right-click the Profile list.

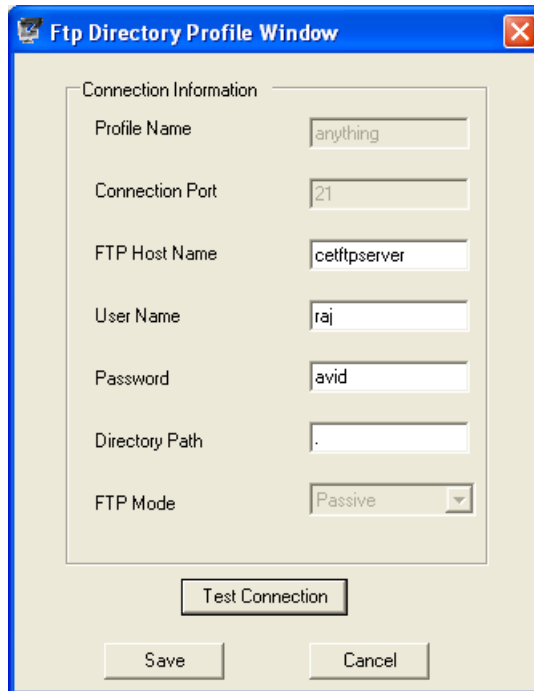
The FTP Source Window opens, providing a list of FTP directory profiles.



3. Do one of the following:

- ▶ Click Add to add a new profile.
- ▶ Select a Profile Name and click Edit to edit an existing profile.

The Ftp Directory Profile Window opens.



The screenshot shows a dialog box titled "Ftp Directory Profile Window" with a blue title bar and a close button in the top right corner. The dialog contains a "Connection Information" section with the following fields:

Field	Value
Profile Name	anything
Connection Port	21
FTP Host Name	ceftpsrver
User Name	raj
Password	avid
Directory Path	.
FTP Mode	Passive

Below the fields are three buttons: "Test Connection", "Save", and "Cancel".

4. Enter the following configuration information for the FTP server:



Your entries must match the FTP server's network settings.

Ftp Directory Profile Window Settings

Setting	Description
Profile Name	Name of this profile. A unique profile name is used for each directory.
Connection Port	Displays the port number used by the FTP server.
FTP Host Name	Type the FTP server's network name. This FTP host name must match the server name assigned during the configuration of the FTP parameter. See “Configuring the FTP Parameters for an FTP Server” on page 9 .
User Name	Type your user name.
Password	Type the FTP server's password.
Directory Path	Displays the default directory where the source media is located on the FTP server.
FTP Mode	Displays the FTP mode as Passive.

5. (Option) Click Test Connection, if you want to verify that the connection to the FTP directory is working.

6. Click Save.

Workflow: Ingesting Clips From an FTP Server

During an ingest, compressed frames are streamed from MXF OP1a files stored on a generic FTP server to the Avid editing system. Files ingested do not overwrite an already existing file. If a file already exists, a new file is created.

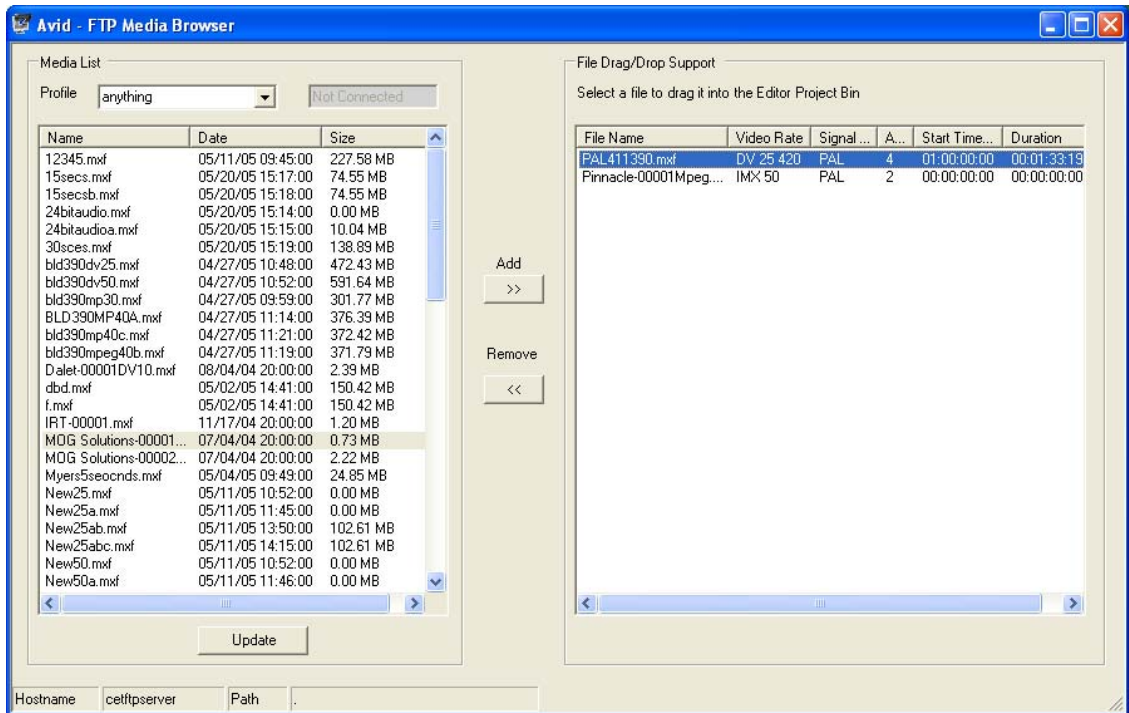
The audio or video format of the media is maintained during the ingest process. Therefore, there is no visible or measurable distortion of either video or audio as a result of the transfer process.

To ingest media from an FTP server:

1. Make sure the FTP server is properly connected and configured; see the documentation that came with your server.
2. Open a bin or create a new bin and position it in an unobstructed area.

- From the Avid editing system, click the Start button, and then select All Programs > Avid > Utilities > Avid FTP Media Browser.

The Avid - FTP Media Browser opens.



- Select a Profile from the Profile menu for the FTP directory where you want to access the media files.

The status bar at the bottom of the Avid - FTP Media Browser window displays the hostname and directory path for the currently selected profile.



For a procedure on how to create a new profile, see *“Creating and Editing FTP Directory Profiles”* on page 13.

5. Observe the connection status box next to the Profile menu.

This box indicates when the connection is complete. When the connection is complete, a list of files in the FTP directory displays in the Media List.

Connection Status

Color	Indicates
Green	Connected
Gray	Not connected
Red	Connection failed



If no activity occurs for a time-out period, the FTP connection is closed. You can click Update to reconnect to the FTP server.

6. (Option) Sort the files listed in the Media List by name, modification date, or size.
7. (Option) Click Update to refresh the list of files in the Media List.
8. Select the files in the Media List that you want to transfer to a bin.
9. Click Add to transfer the selected files to the File Drag/Drop Support list.
10. (Option) Click Remove to move a selected file from the File Drag/Drop Support list back to the Media List.
11. Select the files in the File Drag/Drop Support list and drag them to the Avid editing application bin to begin the transfer process.

A dialog box opens asking if you want to transfer the files now or defer the process to a later time.

12. Do one of the following:
 - ▶ Click Now to begin the ingest transfer.
 - ▶ Click Later to defer the transfer to a later time.

Workflow: Playback to an FTP Server

During a playback operation, media associated with a sequence from an Avid editing application is transferred to a FTP server. The media format in the Avid environment is either MXF/AAF or OMF/OMF. The format of the data transferred to the FTP server is MXF OP1a format. However, the audio and video quality remains the same as the native Avid media. There is no visible or measurable distortion of either the video or audio as a result of the transfer process, and the transfer preserves the original media format (DV or IMX).

The name in the Tape ID field of the sequence is used as the name for the file created on the FTP server during a playback.

To playback a sequence to an FTP server:

1. Make sure the FTP server is properly connected and configured; see the documentation that came with your server.
2. Make sure the “TransferManager Server with Supplemental FTP Services” setting was selected as the installation type during the installation of the TransferManager server application. See [“Installing the TransferManager Server Software” on page 36](#).
3. Make sure the TransferManager server is configured with the FTP server and FTP playback device. See [“Configuring an FTP Server, FTP Playback, and FTP Ingest Devices” on page 9](#).
4. On the Avid editing system, select the sequence you want to playback.
5. Select Transfer > Send to Playback > *Generic FTP playback device*.

Generic FTP playback device is the device you added to the TransferManager Server Configuration tool. See [“Configuring a Generic FTP Playback Device into a Workgroup” on page 12](#).

The playback transfer begins.

Ingesting From FTP Deck Devices

TM-DHM is Avid's API to integrate with third-party video server vendors. Avid has written its own integration to the DHM API for the Sony e-VTR and XDCAM deck devices. The integration supports MXF files by rewrapping them in either OMF (OMF workgroup) or AAF (MXF workgroup) as they are brought into Avid Unity shared storage through the TransferManager server. The integration supports IMX 30, 40, 50, and DVCAM in PAL and NTSC.

Unlike other DHM implementations, this does not enable users to "Send to Playback," which would have allowed initiating requests from the editor that was writing to the decks.

The following configuration and setup steps are required to integrate a FTP device into a workgroup:

- Select "TransferManager Server with Supplemental FTP Services" as the installation type when installing the TransferManager server. See ["Installing the TransferManager Server Software" on page 36](#).
- Add the ingest device to the TransferManager configuration. See ["Adding FTP Ingest Devices into a TransferManager Server Configuration" on page 21](#).
- Set up the device connection from the Avid editing system. For the connection setup procedure, see ["Setting Up for Ingest Device Connection" on page 22](#).
- Ingest the clips from a FTP device. See ["Ingesting Clips From FTP Devices" on page 23](#).

Adding FTP Ingest Devices into a TransferManager Server Configuration

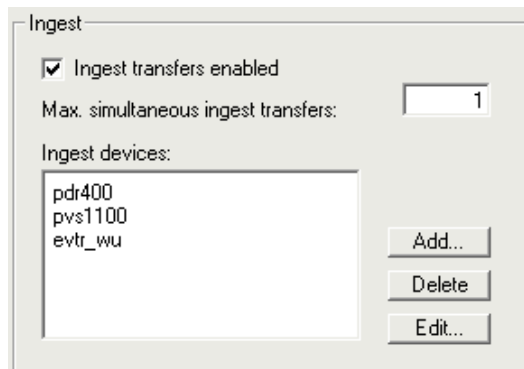
When configuring an FTP ingest device into your workgroup environment, you need to add the device to the TransferManager server configuration.

To add an FTP ingest device to your TransferManager server configuration:

1. On the TransferManager server, click the Start button, and then select Programs > Avid > TransferManager Server Configuration.

The TransferManager Server Configuration window opens.

2. In the Ingest area, click Add.



3. In the Device dialog box, type the name associated with the ingest device on the network, for example evtr_wu, and then click OK.
4. Make sure the Workgroup Settings are set correctly. See the table in [“Installing the TransferManager Server Software”](#) on page 36.
5. Click Save.

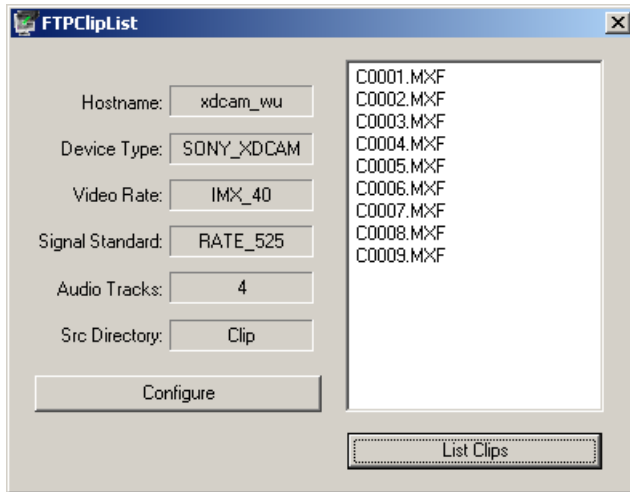
Setting Up for Ingest Device Connection

When a workgroup includes an FTP device, you need to set the device connection from the Avid editing system.

To set up a connection to ingest from FTP devices, such as a Sony e-VTR:

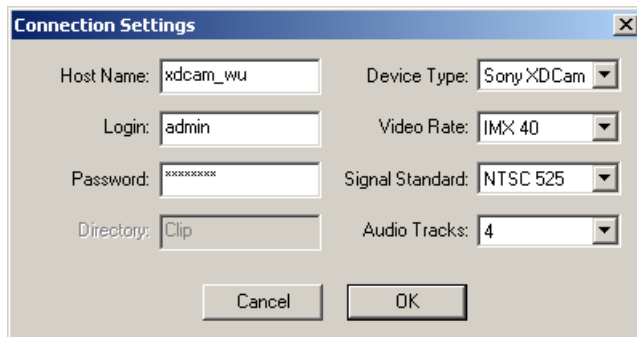
1. From the Avid editing system, click the Start button, and then select All Programs > Avid > Utilities > FTPClipList.

The FTPClipList dialog box opens.



2. Click Configure.

The Connection Settings dialog box opens.



3. Enter the following setup information for the device you are configuring:



Your entries must match the device's network settings.

Connection Settings Dialog Box

Setting	Description
Host Name	Device's network server name. This host name must match the host name listed in the ingest device list in the TransferManager Server Configuration window.
Login	Device's login name.
Password	Device's password.
Directory	Displays the default directory where the source media is located on the FTP device for ingesting.
Device Type	Select the type of device.
Video Rate	Select the video rate - either IMX 30, 40, 50, or DVCam. Your selection must match the set rate of the device.
Signal Standard	Select PAL or NTSC. Your selection must match the setting of the device.
Audio Tracks	Select the number of audio tracks you want to ingest (2, 4, 6, or 8).

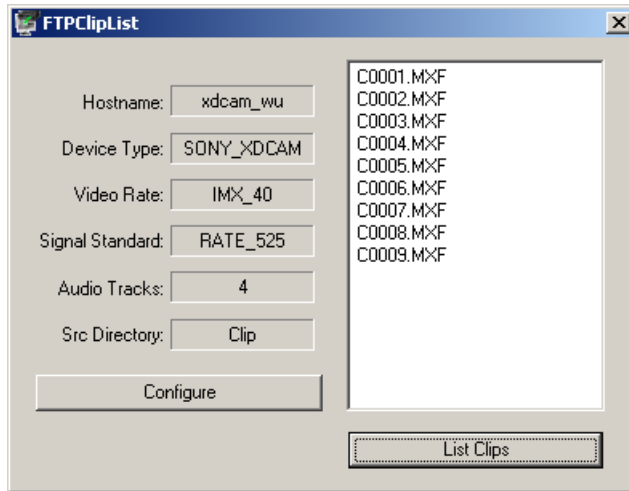
4. Click OK.

Ingesting Clips From FTP Devices

To ingest clips from a FTP device:

1. From the Avid editing system, set the connection settings for the device. See [“Setting Up for Ingest Device Connection” on page 22](#).
2. Open a bin or create a new bin and position it in an unobstructed area.
3. (Option) Open the Transfer Status window by selecting Transfer > Status.
4. From the Start button, select All Programs > Avid > Utilities > FTPClipList.

The FTPClipList dialog box opens.



5. Click List Clips to view a list of the clips available from the device.



If the device is busy, the list of available clips does not display.

6. Drag the clip you want to ingest to a bin to begin the ingest process.

A dialog box opens asking if you want to transfer the files now or defer the process to a later time.

7. Do one of the following:
 - ▶ Click Now to begin the ingest transfer.
 - ▶ Click Later to defer the transfer to a later time.

Workflow: Ingesting Clips From an e-VTR Device

1. Make sure the e-VTR device is properly connected and configured; see the documentation that came with your device. Set the following:
 - Signal standard - NTSC or PAL
 - Bit rate - IMX or DVCam
 - Network settings - IP address, network mask, default Gateway
2. Make sure the “TransferManager Server with Supplemental FTP Services” setting was selected as the installation type during the installation of the TransferManager server application. See [“Installing the TransferManager Server Software” on page 36.](#)

3. Make sure the TransferManager server is configured with the e-VTR device:
 - a. On your TransferManager server, click the Start button, and then select Programs > Avid > TransferManager Server Configuration.
The TransferManager Server Configuration window opens.
 - b. In the Ingest area, click Add.
 - c. In the Device dialog box, type the name associated with the e-VTR device on the network, for example evtr_wu, and then click OK.
 - d. Make sure the Workgroup Settings are set correctly. See the table in [“Installing the TransferManager Server Software” on page 36](#).
 - e. Click Save.
4. Make sure the e-VTR device is configured in the e-VTR Manager application. See the documentation that came with your device. Set the following:
 - Network device register - config name, host/IP address
5. Set up the device connection from the Avid editing system. For the setup procedure, see [“Setting Up for Ingest Device Connection” on page 22](#).
6. Connect to the e-VTR device using the e-VTR Manager application. See the documentation that came with the device.
7. Start the ingest. See [“Ingesting Clips From FTP Devices” on page 23](#).
When the transfer is complete, the clip appears in the bin.

Workflow: Ingesting Clips from an XDCAM Device

1. Make sure the XDCAM device is properly connected and configured; see the documentation that came with your device. Set the following:
 - Signal standard - NTSC or PAL
 - Bit rate - IMX or video
 - Network settings - IP address, network mask, default Gateway
2. Make sure the “TransferManager Server with Supplemental FTP Services” setting was selected as the installation type during the installation of the TransferManager server application. See [“Installing the TransferManager Server Software” on page 36](#).
3. Make sure the TransferManager server is configured with the XDCAM device:
 - a. On your TransferManager server, click the Start button, and then select Programs > Avid > TransferManager Server Configuration.
The TransferManager Server Configuration window opens.

- b. In the Ingest area, click Add.
 - c. In the Device dialog box, type the name associated with the XDCAM device on the network, for example xdcam_wu, and then click OK.
 - d. Make sure the Workgroup Settings are set correctly. See the table in [“Installing the TransferManager Server Software” on page 36](#).
 - e. Click Save.
4. Make sure the XDCAM device is configured correctly. See the documentation that came with your device. Set the following:
 - Set the FTP registration by adding a host name and IP Address for the XDCAM.
 - Connect to the FTP device by typing a user name and password.
 5. View the media on the XDCAM device. See the documentation that came with your device.
 6. Set up the device connection from the Avid editing system. For the setup procedure, see [“Setting Up for Ingest Device Connection” on page 22](#).
 7. Start the ingest. See [“Ingesting Clips From FTP Devices” on page 23](#).

When the transfer is complete, the clip appears in the bin.

Configuring an Ingest Device Catalog

When configuring an ingest device into your workgroup environment, you can associate a MediaManager Catalog with the ingest device. The ingest catalog contains master clips of the media created during successful ingest transfers. You can associate more than one ingest device to a catalog. The ingest catalog is a regular MediaManager catalog using the same display, access control, and delete rules.

When the first ingest occurs after you set up an ingest catalog, the TransferManager creates the catalog in the MediaManager Catalog Control Frame.

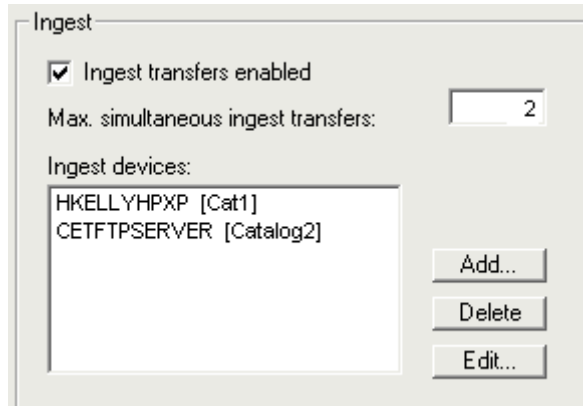
Associating a catalog with an ingest device does not effect the usual process of checking in ingested clips to a workspace.



The ingest catalog feature is not available with AirSpeed.

To associate a MediaManager Catalog with an ingest device:

1. On the TransferManager server, click Start, and then select Programs > Avid > TransferManager Server Configuration.
2. In the Ingest area, select an ingest device and click Edit.



3. In the Device dialog box, select Enter Ingest Catalog name.
4. Type a name for the ingest catalog.

The catalog name you enter will display in the MediaManager Catalog Control Frame when the first ingest occurs.

5. Click OK.

The catalog name displays inside square brackets and next to the ingest device name.

For example, HKELLYHPXP [Cat1], where HKELLYHPXP is the ingest device name and Cat1 is the catalog name.

6. Click Save.
7. Restart the TransferManager server.

Configuring the Send to Playback Device Catalog

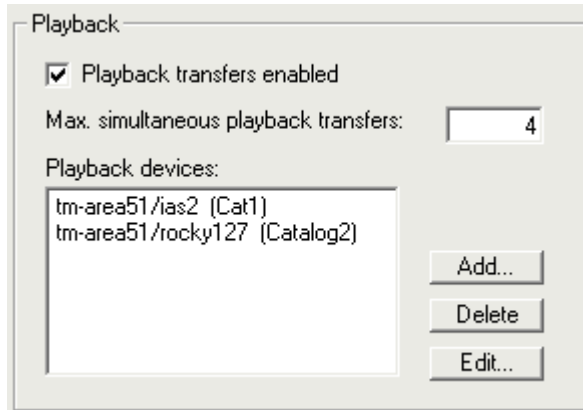
When configuring a playback device into your workgroup environment, you can now associate a MediaManager Catalog with the playback device. The playback catalog contains clips of the media and all its relatives, including the .transfer sequences, that successfully transfer to the playback device. You can associate more than one playback device to a catalog. The playback catalog is a regular MediaManager catalog using the same display, access control, and delete rules.



The playback catalog feature is not available with AirSpeed.

To associate a MediaManager Catalog with a playback device:

1. On the TransferManager server, click Start then select Programs > Avid > TransferManager Server Configuration.
2. In the Playback area, select a playback device and click Edit.



3. In the Device dialog box, select Enter Playback Catalog name.
4. Type a name for the playback catalog.
The catalog name you enter will display in the MediaManager Catalog Control Frame when the first transfer occurs.
5. Click OK.
6. Click Save.
7. Restart the TransferManager server.

Setting Up the TransferManager Server Hardware

In an Avid Unity environment, the TransferManager server is a client.

- In an Avid Unity ISIS environment, TransferManager server is a Avid Unity ISIS client. To make your TransferManager server operational in the Avid Unity ISIS environment, follow the procedures in the *Avid Unity ISIS System Setup Guide* and *Avid Unity ISIS Release Notes*.
- In an Avid Unity MediaNetwork environment, TransferManager server is a MediaNetwork client. To make your TransferManager server operational in the Avid Unity MediaNetwork environment, follow the procedures in the *Avid Unity MediaNetwork Release Notes* and the *Avid Unity MediaNetwork Upgrade Notes* and the *Avid Unity MediaNetwork Upgrade Notes Addendum*.

Installing Cards in the TransferManager Server

The cards included with the TransferManager server depend on the Avid Unity environment where the TransferManager server is being installed.

- In the Avid Unity ISIS environment, the TransferManager server might ship with an Intel® PRO/1000 Server Adapter gigabit card, depending on your system's configuration. This card must be installed in slot 3 (top slot). Follow the directions supplied with the card. For information on installing the Intel PRO/1000 driver, see [“Configuring the Intel PRO/1000 Driver” on page 29](#).
- In the Avid Unity MediaNetwork environment, the TransferManager server might ship with an Intel PRO/1000 Server Adapter gigabit card and an ATTO™ Fibre Channel card, depending on your system's configuration. These cards must be installed in the appropriate slots:
 - Install the Intel PRO/1000 Server Adapter in slot 2 (the middle slot) of the TransferManager server. Follow the directions supplied with the card. For information on installing the Intel PRO/1000 driver, see [“Configuring the Intel PRO/1000 Driver” on page 29](#).
 - Install the ATTO Fibre Channel card in slot 3 (the top slot) of the TransferManager server. Follow the directions supplied with the card.

Configuring the Intel PRO/1000 Driver

After you install the Intel PRO/1000 Server Adapter and restart your system, a message might appear, looking for the Intel PRO/1000 driver.

To install the Intel PRO/1000 driver:

1. Open the C:\Intel10.0 folder.
2. Click the Autorun.exe file.

The Intel Pro Network Connections window opens.

3. Click Install Drivers.
4. Click Finish.

Configuring the Intel PRO/1000 for Jumbo Frames

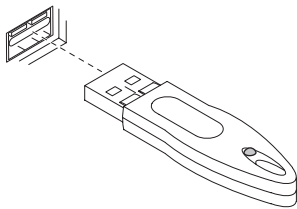
After you install the Intel PRO/1000 card and update the driver, you must configure the card to work correctly with the TransferManager server.

To configure the Intel PRO/1000 card:

1. Right-click the My Network Places icon, and select Properties.
2. Right-click the file for the Intel Pro interface used by TransferManager, and select Properties.
3. Click Configure.
4. Click the Advanced tab.
5. In the Settings area, select Jumbo Frames.
6. In the Value area, select 9014Bytes.
7. Click OK.

Connecting the Application Key

The application key, commonly referred to as a dongle, lets the TransferManager server application run on your system. If you have not yet connected the application key, you should do so before you install the TransferManager application. Connect the application key to a USB port on the TransferManager server.



If you lose your application key, you must purchase another key from Avid at the full market cost of your software.

Software Requirements

The following software is already installed on the Avid Unity TransferManager server system:

- Microsoft Windows® 2000 Professional, Service Pack 4
- Microsoft Internet Explorer 6.0

Supported Avid Unity ISIS Media Network

If your workgroup environment is an Avid Unity ISIS media network, you need to install the Avid Unity ISIS media network client software on your TransferManager server. You must install the Avid Unity ISIS client software prior to installing the TransferManager software.

The supported versions of Avid Unity ISIS media network client are:

- Avid Unity ISIS client v1.1B, v1.2, v1.3a, v1.4

For information on installing the Avid Unity ISIS client software, see the *Avid Unity ISIS ReadMe* and the *Avid Unity ISIS System Setup Guide*.

Make sure the Avid Unity ISIS media network client software is installed on all TransferManager clients.

Supported Avid Unity MediaNetwork

If your workgroup environment is an Avid Unity MediaNetwork, then you need to install the Avid Unity MediaNetwork client software on your TransferManager server. You must install the Avid Unity MediaNetwork client software prior to installing the TransferManager software.

Supported Avid Unity MediaNetwork client versions for TransferManager server:

- Upgrade installation: Avid Unity MediaNetwork client v3.5.7, v4.1.5
- New installation: Avid Unity MediaNetwork LP client v4.2.2 or later

For new installations, see the *Avid Unity MediaNetwork Release Notes* and the *Avid Unity MediaNetwork Windows Fibre Channel Client Setup Guide*.

For information on upgrading from an earlier version of MediaNetwork client, see the *Avid Unity MediaNetwork Release Notes* and the *Avid Unity MediaNetwork Upgrade Notes*.

Supported TransferManager Client Platforms

TransferManager v2.9.19 supports the following minimum versions of client platforms:

Supported TransferManager Clients

Client - Avid Editor	Minimum Version
Avid iNEWS [®] Instinct [™]	v1.0
Avid Symphony [™] Nitris [®]	v1.0
Avid Symphony	v5.5 (Windows) v5.0.9 (Macintosh)
Avid Media Composer [®] Adrenaline [™] HD	v2.1.9, v2.2.1
Avid Media Composer Adrenaline	v1.6.7
Avid Media Composer	v12.5 (Windows) v12.0.9 (Macintosh)
Avid Film Composer [®]	v12.5 (Windows) v12.0.9 (Macintosh)
Avid NewsCutter [®] Adrenaline	v6.1.9, v6.2.1
Avid NewsCutter Adrenaline FX	v5.6
Avid NewsCutter XP (Avid Mojo [®] or software)	v6.1.9, v6.2.1
Avid NewsCutter XP (Avid Mojo or software)	v5.6
Avid NewsCutter	v4.5
Avid NewsCutter XP	v3.8.13
Avid Media Station XL	v12.5
Avid Unity MediaManager	v4.5.4
Avid Media Browse [™]	v2.7.1.1
AirSpeed	v1.5.2

Upgrading from Previous TransferManager Releases

Before upgrading to TransferManager v2.9.19, use the Add or Remove Program in the Control Panel to remove the Sentinel™ System Driver v5.39.2. When you install TransferManager v2.9.19, the Sentinel Protection Installer v7.0.0 is installed.

You should use the Add or Remove program in the Control Panel to uninstall the previous version of TransferManager before upgrading to the new version. Reboot the TransferManager server after the uninstall is complete.

If you have a previous release of TransferManager (prior to v1.5), you must upgrade your TransferManager server from Windows NT® Workstation to Windows 2000 Professional. Install the Windows 2000 Professional software according to the documentation provided with the Windows 2000 Professional software.

Supported TransferManager Configurations

TransferManager can be configured in Avid Unity environments, or in a peer-to-peer configuration (without Avid Unity MediaNetwork, Avid Unity LANshare, or Avid Unity ISIS).

For optimal ingest performance, configure one ingest or playback device per TransferManager server.

The supported TransferManager configurations are:

- A dedicated TransferManager server connected to an Avid Unity MediaNetwork, Avid Unity LANshare, or Avid Unity ISIS that includes an Avid Unity MediaManager.
- Standalone TransferManager software installed on an Avid editing application (Windows OS only) that is connected to an Avid Unity LANshare without MediaManager (not Avid Unity MediaNetwork or Avid Unity ISIS). Each networked client must install both the TransferManager server software and the TransferManager client software.
- Standalone TransferManager software installed on an Avid editing application (Windows OS only) with local storage.

Software Installation Overview



You are reminded that data networks, such as standard data networks that support Internet Protocols, are not necessarily secure networks, and that any transfer of information over such networks — whether internally or externally — is not necessarily a secure transfer. As when you communicate any information over any network, you are responsible for ensuring that you use network settings or implement policies that meet your security needs. Like other applications designed for use over a data network, the TransferManager application provides the capability for making transfers over a network but does not provide security for such transfers over unsecured networks. Avid makes no representations that transfers using TransferManager will be secure. Avid recommends that, before using TransferManager to transfer media over a network, you first evaluate your own security needs and implement appropriate measures to accommodate those needs, such as building any requisite firewalls and obtaining security certificates, or any other measures that you deem necessary to protect media being transferred over any network.



While Avid systems include password protection, such passwords are provided solely for your convenience to protect access to the Avid systems themselves and do not affect the security of information transferred over an unsecured data network.

The following table outlines where the TransferManager and MediaManager software should be installed. If your environment includes both TransferManager and MediaManager, use the following table as a guide. For detailed steps on installing MediaManager software, see the *Avid Unity MediaManager Installation and Setup Guide*.

Software Installation Location

Software	Installed on MediaManager Server	Installed on TransferManager Server	Installed on Avid Editing Client
TransferManager Server		✓	✓ ^a
TransferManager Client for Editor			✓
TransferManager Client for MediaManager Server	✓		
MediaManager Server	✓		
MediaManager Client			✓
Avid Unity ISIS Client or Avid Unity MediaNetwork Client ^b	✓	✓	✓

a. Install only if in a peer-to-peer environment (not an Avid Unity environment).

b. The media network client software you install depends on your Avid Unity environment.



After installing the latest version of TransferManager, if you decide to reinstall an older version, make sure you uninstall the latest version before reinstalling the older version. When uninstalling the latest version, you should use the Add or Remove program in the Control Panel and restart your computer after the uninstall is complete.

After your hardware is properly set up, perform the following software installation procedures:

- [Installing the TransferManager Server Software](#)
- [Working with Rundowns](#)
- [Installing the TransferManager Client Software](#)
- [Installing TransferManager in a Peer-to-Peer Environment](#)

Installing the TransferManager Server Software

The TransferManager server software needs to be installed on the TransferManager server system in the workgroup environment.

This software also installs the TransferManager Configuration software, which allows you to set up the particular configuration for your TransferManager server in a workgroup environment.



If a previous release of TransferManager server software is installed on the computer, you should remove it before installing this version of the software. See “Upgrading from Previous TransferManager Releases” on page 33.

To install the TransferManager server software:

1. Insert the TransferManager CD in the TransferManager server’s CD-ROM drive.
2. Click ReadMe/Browse Media to open the Release Notes file.

Read the Release Notes file for important information about the TransferManager, and then return to the installation frontend window.

3. Click Install Products.
4. Click Install TransferManager Server.
5. In the Welcome window, click Next.
6. Click the applicable country, and click Next.
7. Click Yes to accept the license agreement.
8. In the “Choose the installation type that best suits your needs” dialog box, select one of the following:
 - TransferManager Server with Supplemented FTP Services – if your workgroup configuration includes supported ingest or playback FTP devices, such as Sony e-VTR



Do not install FTP services on a server used with Avid AirSPACE™.

- TransferManager Server – to install the standard TransferManager server software
9. Click Next.
 10. Click Next to accept the location for the application.

11. The installer verifies that Microsoft NET Framework 1.1 is installed on the system.
 - If Microsoft NET Framework 1.1 is found on the system, the TransferManager installation continues.
 - If Microsoft NET Framework 1.1 is not found, a license agreement appears. Click Yes to accept the license agreement. The Microsoft NET Framework 1.1 begins to install.



If you do not accept the license agreement, the TransferManager server installation ends without completing.

12. A message appears, asking if you want to open the TransferManager Server Configuration tool now or later.

- ▶ Click Yes to open the TransferManager Server Configuration tool.



To open the TransferManager Server Configuration tool after the TransferManager installation is complete, click the Start button, and select Programs > Avid > TransferManager Server Configuration.

TransferManager Server Configuration settings


The screenshot shows the 'TransferManager Server Configuration' dialog box with the following settings:

- Workgroup Settings:**
 - Asset manager enabled
 - Asset manager hostname: f2mm1
 - Accept incoming workgroup transfers without MediaManager login
 - No-login workspace for incoming transfers: Acquisition2
- Standalone Settings:**
 - Accept incoming transfer after timeout
 - Timeout: 0 seconds (radio buttons for DMF and AAF)
 - Directory for incoming transfers: C:\DMFI MediaFiles
- System Settings:**
 - Enable auto-cleanup of transfer queues
 - Auto-cleanup transfers older than: 360 minutes
 - Run auto-cleanup every: 12 minutes
 - Server logging off
 - Standard logging on
 - Debug logging on
- Workgroups:**
 - Workgroup transfers enabled
 - Incoming workgroup transfers enabled
 - Max. simultaneous workgroup transfers: 1
 - Directory for temporary composition files: c:\temp
 - Delete temporary composition files after transfer
 - Workgroup names: BPLab tsu66, qa3 qalm3, near3 MADNEAR3, StoragTek avidtm1, tm-area51 area51, cbc-tm abc
- Playback:**
 - Playback transfers enabled
 - Max. simultaneous playback transfers: 4
 - Playback devices: tm-area51/ias2 (Cat1), tm-area51/rocky127 (Catalog2)
- Ingest:**
 - Ingest transfers enabled
 - Max. simultaneous ingest transfers: 1
 - Ingest devices: rocky127 (Dalet Ingest)
- Dynamically Extensible Transfers (DET):**
 - Max. DET push transfers: 0
 - Max. DET pull transfers: 0
- Total Transfers (All Types):**
 - Max. simultaneous transfers: 10
- Playlist Information:**
 - Use Newsroom rundowns to schedule transfers
 - Newsroom Server: [empty]
 - User name: [empty]
 - Password: [empty]
 - Schedule File Name: [empty]

Buttons at the bottom: Configure FTP Parameters..., Cancel, Save.

13. Use the following table to select the options in the TransferManager Server Configuration window.

TransferManager Configuration Options

Option	Description
Workgroup Settings	
Asset manager enabled	In a workgroup environment, select to enable MediaManager.
Asset manager hostname	Type the computer name for the MediaManager server associated with the workgroup this TransferManager is attached to.
Accept incoming workgroup transfers without MediaManager login	Select if you want to accept incoming workgroup transfers even if you are not logged in to MediaManager.
No-login workspace for incoming transfers	Type the name of the Avid Unity workspace where you want the incoming transfers to be sent. This workspace must already exist and you must have access to it.
Standalone Settings	
Accept incoming transfer after timeout	(Used in a peer-to-peer environment) When Accept is selected, TransferManager accepts incoming transfer after the set timeout. When you are performing peer-to-peer transfer operations between clients, the timeout value must be set to less than 15 seconds. Avid recommends a timeout value of 10 seconds.
OMF AAF	Select either OMF or AAF depending on the type of media files being transferred.
Directory for incoming transfers	Type the name of the directory where you want TransferManager to place the incoming transfers. This directory must be a valid media files directory. Click Browse to locate a valid directory. The default directories are: In OMF mode - OMFI MediaFiles In AAF mode - Avid MediaFiles\MXF\1  <i>For better performance when media files grow beyond 10,000 files in the primary directory \1, you need to change the Directory for incoming transfers to Avid MediaFiles\MXF\2.</i>

TransferManager Configuration Options (Continued)

Option	Description
System Settings	
Enable auto-cleanup of transfer queues	Transfer queues are not automatically deleted from the server system. The queues allow you to see the history of the transfers. You might want to enable this option to make sure the queues get cleaned up on a regular basis. The default is to auto-cleanup transfers that are older than 360 minutes (6 hours) and to run the auto-cleanup every 12 minutes.
Server logging off Standard logging on Debug logging on	These options are debug options that you should not have to change. The default is Standard logging on. If errors occurred where customer support wanted more information from log files, you might have to change this setting.
Configure FTP Parameters	During the install process, if you selected “TransferManager Server with Supplement FTP Services” in the “Choose the installation type that best suits your needs” dialog box, you need to configure the FTP parameters. See “Configuring the FTP Parameters for an FTP Server” on page 9 . All entries must match the device’s setup.
Workgroups	
Workgroup transfers enabled	Select this option to enable workgroup-to-workgroup transfers.
Incoming workgroup transfers enabled	Select this option to enable transfers from another workgroup.
Max. simultaneous workgroup transfers	Displays the maximum number of simultaneous outgoing workgroup transfers. The TransferManager application sets this setting to 1.
Directory for temporary composition files	Type the directory name where you want temporary files to be placed during the ingest process or during incoming workgroup transfers. The default directory is C:\temp.
Delete temporary composition files after transfer	This option is selected by default. It is used for diagnostic reasons and does not need to be deselected unless Avid Customer Support requests it.


TransferManager Configuration Options (Continued)

Option	Description
Workgroup names	<p>Sets the name of remote workgroups and their TransferManager server. Do the following:</p> <ol style="list-style-type: none">1. Click Add.2. In the Workgroup name text box, type a name for the remote workgroup. The name you enter for the workgroup appears in the Transfer menu on the Avid editing application.3. In the Maps to Server Name text box, type the computer name of the TransferManager server of the remote workgroup.
Playback	
Playback transfers enabled	<p>Enables playback transfers. If your workgroup includes a playback device such as Avid AirSPACE, select this option. The recommended maximum number of simultaneous transfers is 2.</p> <p>For a NewsCutter XP system in a LANshare environment, the recommended maximum number of playback transfers is 1.</p>
Playback devices	<p>Enter the name or names of any playback devices in your workgroup. Do the following:</p> <ol style="list-style-type: none">1. Click Add.2. In the Enter the device name text box, type the computer name of your playback device.<ul style="list-style-type: none">• For an Avid AirSPACE playback device, type the name of the TransferManager server and the name of the playback device (for example, TMserver1/Airspace1).• For Grass Valley Group Profile[®] systems, type the computer name of the playback device.• For a Generic FTP playback device, see “Configuring an FTP Server, FTP Playback, and FTP Ingest Devices” on page 9.3. (Option) Select Enter Playback Catalog Name and type a name for the playback catalog, to associate a MediaManager Catalog with the playback device. See “Configuring the Send to Playback Device Catalog” on page 27.

TransferManager Configuration Options (Continued)

Option	Description
Ingest	
Ingest transfers enabled	<p>Enables ingest transfers. If your workgroup includes an ingest device, select this option.</p> <p>The recommended maximum number of ingest transfers is 2.</p> <p>For a NewsCutter XP system in a LANshare environment, the recommended maximum number of ingest transfers is 1.</p>
Ingest devices	<p>Enter the name or names of any ingest devices in your workgroup. Do the following:</p> <ol style="list-style-type: none"> 1. Click Add. 2. In the Enter the device name text box, type the computer name of the ingest device in your workgroup. <ul style="list-style-type: none"> • If your ingest device is AirSPACE, the name you enter for the ingest device must match exactly the name of the ingest device in the AirSPACE Mission Control server list. • For a Generic FTP playback device, see “Configuring an FTP Server, FTP Playback, and FTP Ingest Devices” on page 9. 3. (Option) Select Enable Auto Scavenge if your workgroup includes an Avid Media Browse system and Avid DMS Broker and ProEncode, and you want to create a low-resolution copy of ingested clips on the Media Browse system. During ingest, high-resolution files are created on the Avid Unity or Avid Unity ISIS. In the text box, type the name of the scavenge process created on the Media Browse. See the Media Browse documentation. 4. (Option) Select Enter Ingest Catalog Name and type a name for the ingest catalog, to associate a MediaManager Catalog with the ingest device. See “Configuring an Ingest Device Catalog” on page 26.
Dynamically Extensible Transfers (DET)	
Max. DET push transfers	Sets the maximum number of simultaneous DET push transfers; Avid recommends 4.
Max. DET pull transfers	Sets the maximum number of simultaneous DET pull transfers; Avid recommends 4.

TransferManager Configuration Options (Continued)

Option	Description
Total Transfers (All Types)	<p>Set the maximum simultaneous transfers. This number should be the number of playback devices, plus 2 times the number of ingest devices, plus the number of workgroups.</p> <p>For a NewsCutter XP system in a LANshare environment, the recommended maximum number of simultaneous transfers is 2.</p> <p> <i>The higher the number of simultaneous transfers, the more the impact on performance.</i></p>
Playlist Information	
Use Newsroom rundowns to schedule transfers	Use Newsroom rundowns to schedule transfers — Enables the TransferManager Newsroom rundown scheduling feature. See “Working with Rundowns” on page 43 .
Newsroom Server	The name of the station’s Newsroom Server.
User Name	The user name that TransferManager should use to connect to the Newsroom Server.
Password	The password TransferManager should use to connect to the Newsroom Server.
Schedule File Name	The file name of the schedule file that TransferManager should use to determine which rundown to use at which time. See “Working with Rundowns” on page 43 .

14. Once you have completed configuring the server, click Save.
15. Click “Yes, I want to restart my computer now.”
16. Click Finish.

Working with Rundowns

In a broadcast environment, you can enable the TransferManager scheduling feature to allow interaction with the Newsroom Computer System (NRCS). You can select the files to send to playback, and the schedule list from the NRCS determines the order in which the files are played back.

To use the TransferManager with rundowns:

1. On your TransferManager server computer, click the Start button, and select Programs > Avid > TransferManager Server Configuration.

The TransferManager Server Configuration window opens.

2. In the Playlist Information area, select “Use Newsroom rundowns to schedule transfers.”
3. Type the computer name of the Newsroom Server.
4. Type the user name and password.
5. If you know the name of the schedule file, type it in the Schedule File Name text box. The schedule file specifies which rundowns to use at which time. See [“Creating a Rundown Schedule File” on page 44.](#)
6. Click Save.
7. Restart the TransferManager server. Click the Start button, and select Programs > Avid > TransferManager Server. (Any time the configuration information changes, you must restart the server.)
8. On your Avid editing system, open the bin that contains the sequences you want to send.
9. Select the sequences.
10. Select Transfer > Send To Playback.
11. Select the available playback device to which you want to send the sequence.
12. Click OK.

The sequences play back based upon the order in which they appear in the NRCS rundown list.



If you set one of the sequences to high priority by clicking the circle in the PWT column next to the sequence, that sequence has priority over the rundown list.

Creating a Rundown Schedule File

A rundown schedule file tells the TransferManager server which rundown to schedule at what time. The format is the time to start monitoring the rundown followed by the name of the rundown. For example:

```
# Rundown Schedule File
# Number of elements
9
#Time (after) Rundown Name
00:00:00 5a
05:55:00 6a
06:55:00 7a
11:45:00 noon
14:45:00 3pmcutin
15:45:00 4pmcutin
17:55:00 6p
20:45:00 9pmcutin
21:10:00 10p
```

Installing the TransferManager Client Software

You must install the TransferManager client software on the MediaManager server and on each client in the workgroup that will transfer files to another workgroup or playback device.



If a previous release of TransferManager client is installed on the computer, you should remove it before installing this version of the software. See “Upgrading from Previous TransferManager Releases” on page 33.

The following sections provide the procedures for installing the TransferManager client software on the various systems:

- “Installing the TransferManager Client Software on a MediaManager Server” on page 45
- “Installing the TransferManager Client Software on an Avid Editing System (Windows)” on page 47
- “Installing the TransferManager Client Software on an Avid Editing System (Macintosh)” on page 48

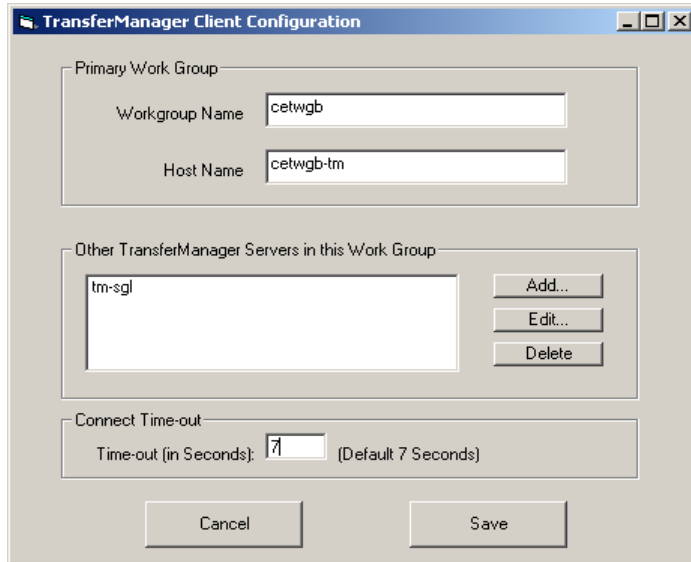
Installing the TransferManager Client Software on a MediaManager Server



If a previous release of TransferManager client is installed on the computer, you should remove it before installing this version of the software. See “Upgrading from Previous TransferManager Releases” on page 33.

To install the TransferManager client software on a MediaManager server:

1. Insert the TransferManager CD in the MediaManager server’s CD-ROM drive.
2. Click ReadMe/Browse Media to open the ReadMe file.
Read the ReadMe file for important information about the TransferManager, then return to the installation frontend window.
3. Click Install Products.
4. Click Install TransferManager Client.
5. In the Welcome window, click Next.
6. Click the applicable country, and click Next.
7. Click Yes to accept the license agreement.
8. At the Select the Installation dialog box, select TransferManager Client on MediaManager Server, and click Next.
9. Click Next to accept the location for the application.
A message box opens.
10. Click Yes to open the TransferManager Client Configuration tool.
This tool allows you to monitor the TransferManager servers in the workgroup.



If you choose to run the Configuration tool at a later time, access the tool by clicking the Start button and selecting Programs > Avid > TransferManager Client Configuration. If you make changes to the configuration, you must reboot the system before the changes take effect.

11. In the Workgroup Name text box, type the name of your workgroup. This can be any name you have given your entire workgroup.
12. In the Host Name text box, type the computer name of the TransferManager server.
13. (Option) If you have more than one TransferManager in your workgroup or any playback devices, you can enter them here. Click Add and type the computer name of the other TransferManager servers or the name of the playback device.



When adding an AirSpeed Studio, you must add the AirSpeed members of the Studio before you add the AirSpeed Studio. Make sure the AirSpeed Studio appears at the bottom of the list.

14. (Option) Change the Connect Time-out period (between 5 to 30 seconds). The default is 7 seconds.
15. Click Save.
16. Click OK in the Restart Information dialog box.
17. Click “Yes, I want to restart my computer now” and click Finish.
18. Repeat the installation for each client.

Installing the TransferManager Client Software on an Avid Editing System (Windows)

You must install the TransferManager client software on each client in the workgroup that plans on transferring files to another workgroup or playback device.



On the Avid editing system, when adding an AirSpeed Studio to the list of transfer servers, you must add the AirSpeed members of the Studio before you add the AirSpeed Studio. Make sure the AirSpeed Studio appears at the bottom of the list in the Transfer Settings dialog box.

To install the TransferManager client software on an Avid editing system:

1. Insert the TransferManager CD in the Avid editing system's CD-ROM drive.
2. Click ReadMe/Browse Media to open the ReadMe file.
Read the ReadMe file for important information about the TransferManager, then return to the installation frontend window.
3. Click Install Products.
4. Click Install TransferManager Client.
5. In the Welcome window, click Next.
6. Click the applicable country, and click Next.
7. Click Yes to accept the license agreement.
8. At the Select the Installation dialog box, select TransferManager Client on an Avid editing system, and click Next.
9. Click Next to accept the location for the application.
10. The installer verifies that Microsoft NET Framework 1.1 is installed on the system.
 - If Microsoft NET Framework 1.1 is found on the system, the TransferManager installation continues.
 - If Microsoft NET Framework 1.1 is not found, follow the instructions to install it.



If you do not accept the license agreement, the TransferManager installation ends without completing.

The TransferManager Client Setup dialog box opens.

11. Click OK
12. Click "Yes, I want to restart my computer now."
13. Click Finish.

14. Repeat the installation for each client.

To configure the Avid editing system for transfers, see the *Avid Unity TransferManager Setup and User's Guide*.

Installing the TransferManager Client Software on an Avid Editing System (Macintosh)

You must install the TransferManager client software on *each* client in the workgroup that plans on transferring files to another workgroup or playback device.

To install the TransferManager client software:

1. Insert the TransferManager CD in the Avid editing system's CD-ROM drive.
The installer application starts, and the Avid Technology window opens.
2. Click Continue.
The TransferManager Client Install window opens.
3. Click Install.
4. Select the applicable country, and click OK.
5. Scroll to the bottom of the License agreement, and click Yes.



If the installer determines that the files already exist and are up-to-date on your system, a message box opens, indicating installation was unnecessary because the correct files already exist. Click Quit.

6. The installation continues, and you receive a message that the installation was successful.
7. Click Quit.

Installing TransferManager in a Peer-to-Peer Environment

If you are installing TransferManager for workstation-to-workstation transfers in an environment other than Avid Unity or Avid Unity ISIS, you must install the TransferManager server software on each client.

This software also installs the TransferManager configuration software, which allows you to set up the particular configuration for your TransferManager.

To install the TransferManager server software:

1. Insert the TransferManager CD in the CD-ROM drive of the Avid editing client.
2. Click ReadMe/Browse Media to open the ReadMe file.
Read the ReadMe file for important information about the TransferManager, then return to the installation frontend window.
3. Click Install Products.
4. Click Install TransferManager Server.
5. In the Welcome window, click Next.
6. Click the applicable country, and click Next.
7. Click Yes to accept the license agreement.
8. In the “Choose the installation type that best suits your needs” dialog box, select one of the following:
 - TransferManager Server with Supplemented FTP Services – if your workgroup configuration includes supported ingest or playback FTP devices, such as Sony e-VTR



Do not install FTP services on a server used with Avid AirSPACE.

- TransferManager Server – to install the standard TransferManager server software
9. Click Next.
 10. Click Next to accept the location for the application.
 11. The installer verifies that Microsoft NET Framework 1.1 is installed on the system.
 - If Microsoft NET Framework 1.1 is found on the system, the TransferManager installation continues.
 - If Microsoft NET Framework 1.1 is not found, a license agreement appears. Click Yes to accept the license agreement. The Microsoft NET Framework 1.1 begins to install.



If you do not accept the license agreement, the TransferManager server installation ends without completing.

12. A message appears, asking if you want to open the TransferManager Server Configuration tool now or later.
 - ▶ Click Yes to open the TransferManager Server Configuration tool.



To open the TransferManager Server Configuration tool after the TransferManager installation is complete, click the Start button, and select All Programs > Avid > TransferManager Server Configuration.

13. Set the options in the TransferManager Server Configuration tool. See [“Configuring TransferManager for a Peer-to-Peer Environment”](#) on page 50.
14. Click Save.
15. Click “Yes, I want to restart my computer now.”
16. Click Finish.

Configuring TransferManager for a Peer-to-Peer Environment

To access the TransferManager Configuration window and set up TransferManager:

1. Click the Start button, and select All Programs > Avid > TransferManager Server Configuration.


The TransferManager Server Configuration window opens.

2. Use the following table to select the options in the TransferManager Server Configuration window. Where some settings are not required for the peer-to-peer configuration, N/A is listed in the table. You are not required to change any settings in the TransferManager Server Configuration window where N/A is listed.

TransferManager Peer-to-Peer Configuration Options

Option	Description
Workgroup Settings	
Asset manager enabled	N/A
Asset manager hostname	N/A
Accept incoming workgroup transfers without MediaManager login	N/A
No-login workspace for incoming transfers	N/A
Standalone Settings	
Accept incoming transfer after timeout	When Accept is selected, TransferManager accepts incoming transfer after the set timeout. When you are performing peer-to-peer transfer operations between clients, the timeout value must be set to less than 15 seconds. Avid recommends a timeout value of 10 seconds.
OMF AAF	Select either OMF or AAF depending on the type of media files being transferred.

TransferManager Peer-to-Peer Configuration Options (Continued)

Option	Description
Directory for incoming transfers	<p>Type the name of the directory where you want TransferManager to place the incoming transfers. This directory must be a valid media files directory. Click Browse to locate a valid directory. The default directories are:</p> <p>In OMF mode - OMF\MediaFiles</p> <p>In AAF mode - Avid MediaFiles\MXF\1</p> <p> <i>For better performance when media files grow beyond 10,000 files in the primary directory \1, you need to change the Directory for incoming transfers to Avid MediaFiles\MXF\2.</i></p>

System Settings

Enable auto-cleanup of transfer queues	Transfer queues are not automatically deleted from the server system. The queues allow you to see the history of the transfers. You might want to enable this option to make sure the queues get cleaned up on a regular basis. The default is to auto-cleanup transfers that are older than 360 minutes (6 hours) and to run the auto-cleanup every 12 minutes.
Server logging off	These options are debug options that you should not have to change. The default is Standard logging on. If errors occurred where customer support wanted more information from log files, you might have to change this setting.
Standard logging on	
Debug logging on	

Configure FTP Parameters

During the install process, if you selected “TransferManager Server with Supplement FTP Services” in the “Choose the installation type that best suits your needs” dialog box, then you need to configure the FTP parameters. See [“Configuring the FTP Parameters for an FTP Server” on page 9](#). All entries must match the device’s setup.


Workgroups

Workgroup transfers enabled	When selected, transfers to another system are enabled.
Incoming workgroup transfers enabled	When selected, transfers from another system are enabled.
Max. simultaneous workgroup transfers	Displays the maximum number of simultaneous outgoing workgroup transfers. The TransferManager application sets this setting to 1.
Directory for temporary composition files	Type the directory name where you want temporary files to be placed during the ingest process or during incoming workgroup transfers. The default directory is C:\temp.

TransferManager Peer-to-Peer Configuration Options (Continued)

Option	Description
Delete temporary composition files after transfer	This option is selected by default. It is used for diagnostic reasons and does not need to be deselected unless Avid Customer Support requests it.
Workgroup names	<p>Set up the name of the destination workgroup. Click Add. For the workgroup name, enter the name of the remote workgroup. This can be any name you have decided to use for the remote workgroup. This will be the name you see in the Transfer menu on the Avid editing application.</p> <p>In the Maps to Server Name text box, enter the computer name of the remote TransferManager server computer.</p>
Playback	
Playback transfers enabled	Enables playback transfers. If your workgroup includes a playback device such as Avid AirSPACE, select this option. The recommended maximum number of simultaneous transfers is 2.
Playback devices	<p>Enter the name or names of any playback devices in your workgroup. Click Add. In the device name text box, enter the computer name of your playback device.</p> <ul style="list-style-type: none">• For an Avid AirSPACE playback device, enter the name of the TransferManager server and the name of the playback device (for example, TMserver1/Airspace1).• For Grass Valley Group Profile systems, type the computer name of the playback device.• For a Generic FTP playback device, see “Configuring an FTP Server, FTP Playback, and FTP Ingest Devices” on page 9.
Ingest	
Ingest transfers enabled	<p>Enables ingest transfers. If your workgroup includes an ingest device, select this option.</p> <p>The recommended maximum number of ingest transfers is 2.</p>

TransferManager Peer-to-Peer Configuration Options (Continued)

Option	Description
Ingest devices	<p>Enter the name or names of any ingest devices in your workgroup. Click Add. In the Ingest device text box, enter the computer name of the ingest device in your workgroup.</p> <ul style="list-style-type: none"> • If your ingest device is AirSPACE, the name you enter for the ingest device must match exactly the name of the ingest device in the AirSPACE Mission Control server list. • For a Generic FTP playback device, see “Configuring an FTP Server, FTP Playback, and FTP Ingest Devices” on page 9.
Dynamically Extensible Transfers (DET)	
Max. DET push transfers	Sets the maximum number of simultaneous DET push transfers, Avid recommends 4.
Max. DET pull transfers	Sets the maximum number of simultaneous DET pull transfers, Avid recommends 4.
Total Transfers (All Types)	<p>Set the maximum simultaneous transfers. This number should be the number of playback devices, plus 2 times the number of ingest devices, plus the number of workgroups.</p> <p> <i>The higher the number of simultaneous transfers, the more the impact on performance.</i></p>
Playlist Information	
Use Newsroom rundowns to schedule transfers	Enables the TransferManager Newsroom rundown scheduling feature.
Newsroom Server	The name of the station’s Newsroom Server.
User Name	The user name that TransferManager should use to connect to the Newsroom Server.
Password	The password TransferManager should use to connect to the Newsroom Server.
Schedule File Name	The file name of the schedule file that TransferManager should use to determine which rundown to use at which time. See “Working with Rundowns” on page 43.

Installing the TransferManager Client Software in a Peer-to-Peer Environment

You must install the TransferManager client software on each peer-to-peer client.

To install TransferManager client software:

1. Insert the TransferManager CD in the CD-ROM drive of the Avid editing client.
2. Click ReadMe/Browse Media to open the Release Notes file.

Read the Release Notes file for important information about the TransferManager, then return to the installation frontend window.

3. Click Install Products.
4. Click Install TransferManager Client.
5. In the Welcome window, click Next.
6. Click Yes to accept the license agreement.
7. Click the applicable country, and click Next.
8. Click Next to accept the location for the application.
9. In the Client Setup window, leave the Computer Name text box blank.
10. Click Finish to restart.

Additional TransferManager Information

Clearing the Status Window

When you are using the Status window from within the Avid editing application to view the status of any transfers, you should periodically clean up the Status window. The Status window is cleared of any leftover status messages when you exit the Avid editing application and then restart it. If you have not restarted the Avid editing application in a while, and your Avid editing system is appearing sluggish, clear the messages in the Status window.

To clear the Status window:

1. In the Avid editing application, select Transfer > Status Window.
2. Press Ctrl+A to select all the items in the Status window.
3. Press the Delete key.

All the items are removed from the Status window.

Changing the File Limit of Media Directories

When TransferManager performs ingest or heavy workgroup-to-workgroup transfers, a single directory could grow to more than 10,000 files. This can cause performance problems. By default, when TransferManager starts, it checks the number of files in the TransferManager managed directory. If the file count is greater than 95% of 5,000 files, it creates a new directory. If you want to lower these values, you must add new parameters to the TMserver.ini file. Avid recommends not raise this value.



File balancing is done only when the TransferManager starts.

To change the file limit of media directories managed by TransferManager:

1. Open the file C:\WINNT\TMserver.ini using WordPad.
2. In the [PMR Scan] section of the TMserver.ini file, add the following fields.

Fields Added to [PMR Scan] section	Description
FileBalancing=1	FileBalancing – Turns off and on the feature for limiting the number of files allowed in a media directory. If FileBalancing is not present in the TMserver.ini file, the default is 1, indicating the feature is active.
MaxFiles=1000	MaxFiles – Specifies the maximum number of files allowed in a TransferManager media directory. If MaxFiles is not present in the TMserver.ini file, the default is 5,000 files.
FileCountThreshold=90	FileCountThreshold – Specifies, as a percentage, the file count threshold, over which the TransferManager server creates a new media directory on its next startup. If FileCountThreshold is not present in the TMserver.ini file, the default is 95%.

The following is a sample of media directories managed by TransferManager:

```
//unityFileSystem/workspaceName/OMFI MediaFiles /TM_[tmserverHostname].
```

During startup only, the TransferManager server checks each media directory for the number of files in the directory. If the media directory contains more files than specified by FileCountThreshold% of MaxFiles (for example, 95% of 5,000), the TransferManager server creates a new directory using the same directory name and appends the name with an underscore and an incremental number.

For example, when the directory:

```
//Unity1/WS1/OMFI MediaFiles/TM_TransServer
```

becomes full, the next time the TransferManager server TransServer is restarted, it creates a new directory named:

```
//Unity1/WS1/OMFI MediaFiles/TM_TransServer_1
```

and then _2, _3, and so on.

Additional File Count Logging

The TransferManager server startup logging includes file count information. During startup, the TransferManager server lists all the media directories on Avid Unity or Avid Unity ISIS. Each directory managed by the TransferManager server is listed with three asterisks before it; each secondary directory has three hyphens before it. For all directories managed by TransferManager, the number of files per directory is displayed.

In addition, a display of these PMR primary and secondary directories is included in the TransferManager server's dump command.

Increasing the Performance of Workgroup-to-Workgroup Transfers

When TransferManager performs workgroup-to-workgroup transfers in an Avid Unity ISIS environment, you might notice slow transfer times. For better performance, modify the TMserver.ini file.

To increase the performance of workgroup-to-workgroup transfers:

1. Open the C:\WINNT\TMserver.ini file using WordPad.
2. Add the following parameter to the end of the TMserver.ini file, where MBFactor is the MegaByte multiple factor for read and write operations. The recommended value is 4.

```
[Buffer size]  
MBFactor=4
```

Adding an AirSpeed

When installing AirSpeed as a TransferManager client, use the TransferManager client software provided with this release. Do not install the older version available from the AirSpeed I/O application CD-ROM.

International Character Support

TransferManager contains international character support (ICS). ICS allows you to display and input characters in languages other than English.

For the latest information on ICS, search for the International Character Support document on the Avid Knowledge Base. You can access the Knowledge Base from the Avid Web site at www.avid.com.

Documentation Changes

Changes to the TransferManager documentation are as follows:

- The Transfer settings dialog box in the Avid editing application contains transfer options that are not documented in the *Avid Unity TransferManager Setup and User's Guide*.
 - Output Audio Mix - Direct channel output - Send to Playback transfers audio tracks without performing a mixdown.
 - Output Audio Mix - Stereo output - Send to Playback mixes all of the tracks to a stereo pair, using pan controls to split the tracks. The sequence is copied before the mixdown is edited in, and the suffix .transfer is added to the name (same as in the direct output option).
- The *Avid Unity TransferManager Setup and User's Guide* does not include Avid Unity ISIS information. For Avid Unity ISIS information, see these release notes and the Avid Unity ISIS documentation.
- The TransferManager documentation refers to the Avid Unity MediaManager documentation. Documentation for Avid Unity MediaManager is now organized in the following guides and Help:
 - *Avid Unity MediaManager Administrator's and User's Guide*
 - *Avid Unity MediaManager Installation and Setup Guide*
 - Avid Unity MediaManager Help
 - Avid Player Help

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 v2.9.19

- Send to Playback fails with sequences that contain a color effect and a dissolve effect. This has been fixed.
- MOB errors in TransferManager log files while restoring audio and video mixdown files from archive. This has been fixed.
- SGL Archive Transfer manager disappears. This has been fixed. Requires Flashnet v5.7.4.5 or later.

Fixed in v2.9.18

- Standalone TransferManager places media into top level of omfi files directory ignoring path in TransferManager configuration. This has been fixed.
- Send to Playback of OMF sequence transfers wrong part of the clips to the playback device. This has been fixed.
- Workgroup to workgroup transfers results in offline media and 'WARNING: TC::MakeMobMapFile() cannot find MOBID!'. This has been fixed.
- API Messages comes up frequently in the TransferManager console window. This has been fixed.
- MXF OP1a file format: invalid vertical sub sampling in PAL DV25 420 files. This has been fixed.
- Fifth or sixth flip from Flip Factory to TransferManager takes too long to complete. This has been fixed.
- TransferManager loses contact with dongle until re-initialization of TransferManager application. This has been fixed.
- Browser to Browser drag and drop to initiate a workgroup to workgroup transfer takes too long to initiate with no feedback to the user. This has been fixed.
- Standalone TransferManager does not work correctly while trying to write to Shared storage drives. This has been fixed.

Fixed in v2.9.17

- MXF OP1A Footer and Header do not match in the MXF file with respect to common information. This has been fixed.
- TransferManager fails to initialize. This has been fixed.
- FTP-DHM send to playback of DV50 media generates incorrect footer information. This has been fixed.
- Delay initializing editor application or opening video in Browser Player when TransferManager is unavailable. This has been fixed.
- Error when Sending to Playback of sequence containing a Freeze Frame and dissolve effects. This has been fixed.
- Single DET PULL can be done successfully. This has been fixed.
- Send to Playback of specific sequence aborts TransferManager. This has been fixed.
- Standalone TransferManager will not receive multiple clips from one Transfer request. This has been fixed.
- MXF OP1a file format: warnings appearing when using the IRT MXF analyzer to check OP1A files generated by the Generic FTP. This has been fixed.
- MXF OP1a file format: files show up with wrong duration and file size in Avid - FTP Media Browser. This has been fixed.
- 7AAA Dongles, standalone TransferManager and intermittent Dongle not found messages. This has been fixed.

Fixed in v2.9.16

- Standalone TransferManager in LanShare/shared drives does not transfer media in correct directories. This has been fixed.
- TransferManager becomes non responsive eventually after doing few Pulls from SGL. This has been fixed.
- Multiple clips will fail when doing a workgroup to workgroup transfer. This has been fixed.
- TransferManager should not vaporize in case there is any kind of error from SGL side. This has been fixed.
- TransferManager vaporizes when restoring from SGL Archive and takes MediaManager down. This has been fixed.
- Failed attempts to MediaManager server from the ASP eventually cause inet to crash. This has been fixed.

Fixed in v2.9.14

- TransferManager transfers will fail in a clean install environment. This has been fixed.
- Transfer manager intermittently vaporizes/becomes unresponsive. This has been fixed.
- Standalone Transfer Manager in OMF mode does not transfer to client subfolder on LAN Share. This has been fixed.
- Caught unknown exception in send comp, when trying to send sequences with particular effect combination. This has been fixed.
- Sequences with filler do not transfer correct via the Generic FTP-DHM. This has been fixed.
- TC values changed when sending and retrieving from Profile. This has been fixed.
- Issues with managing pmr's in overflow folders (TM_0) on startup. This has been fixed.
- PMR-Scan function needs to be reviewed and optimized for more reliability. This has been fixed.
- Issues with DET restore clean up transactions. This has been fixed.
- TransferManager should delete contents out of the DET_Temp folder on startup. This has been fixed.
- Reduce the hard coded value for max files in a directory to 5000. This has been fixed.
- Issues transitioning from a fully managed folder to a new folder while restoring media from archive. This has been fixed.

Fixed in v2.9.12

- Generic Helper created media descriptors for IMX media cause Symphony Nitris problems. This has been fixed.
- Erroneous error message when sending to Airspeed Studio in Editor. This has been fixed.
- Profile DHM does not work with standalone TransferManagers and 7AAA Dongles. This has been fixed.

Fixed in v2.9.10

- DET - Sequence metadata is not being checked into MediaManager after a Restore from Flashnet. This has been fixed.
- SGL reports issues archiving subclip's to Flashnet server. This has been fixed.
- TransferManager ignores ingest device catalog during transfer. This has been fixed.

- Avid Unity ISIS connected TransferManager Server reports -1 files in the directory scan at startup. This has been fixed.
- Certain Sequences with rendered effects do not transfer to Nearchive. This has been fixed.
- Transfers to Profile 5.4.8.9 fail because TransferManager looks for the wrong version of the tstream.dll. This has been fixed.
- TransferManager creates different files when archiving a sequence multiple times; causing transfer issues to SGL archive. This has been fixed.

Fixed in v2.9.9

- Sequences that contains master clips with names containing special characters like '/' do not check in correctly at the destination workgroup while doing a Workgroup to Workgroup transfer. This has been fixed.
- Subclips when part of a sequence, are not getting recognized by MediaManager after a workgroup to workgroup transfer. This has been fixed.
- IMX 50 PAL material does not play correctly when transferred to Profile (Profile version 5.4.5.9). This has been fixed.
- After sending a sequence to Airspeed Studio, sends to non-studio devices does not display the TransferManager progress status in the status window. This has been fixed.
- "Reverse DET" should not ask for metadata when restore is issued from metadata. This has been fixed.
- IMX 30/50 material send to Profile from Newscutter is not as displayed as D10 essence type in Profile. This has been fixed.
- Valid XML document in the settings folder causes failure in loading the DET dll.as a failure. This has been fixed.

Limitations

- **When using SGL Archive, the TransferManager might stop working if multiple archive sessions are cancelled in the Avid editing application's Transfer Status window.** This is not a supported workflow.
- **When performing a browser-to-browser transfer from Avid Unity MediaManager to Neararchive, the transfer appears twice in the TransferManager status window.** The first transfer listed in the status window represents the request for a transfer sent by the local TransferManager. The second transfer listed represents the actual transfer from the TransferManager of the Neararchive.
- **In MediaManager, when it lists the contents of a workspace's incoming folder, the bottom of the Results frame refers to the workspace name as Catalog instead of Workspace.**
- **A file that was checked in to MediaManager using Desktop Check-In can only be checked into the local Avid editing system.** Transfers of Desktop Check-In files to remote workgroups are not supported.
- **When transferring clips to or from an AirSpeed, do not use the Pause Transfer command that is available in the MediaManager client's transfer status window.**
- **When you log into MediaManager from an Avid editing system, you might be refused login with the error message "Your TransferManager is in AAF mode and your MediaManager is in OMF mode. This is not correct. See your Administrator."** This problem occurs when the MediaManager and TransferManager servers are in conflicting modes. You can not log in to MediaManager until the administrator resolves this problem. An administrator should reboot the TransferManager server after the MediaManager server has completed its startup processing and is ready to receive logins.
- **When working in a PAL project and media is offline, you might receive the error message "Exception:MSM:No OFFLINE Media found."** This error should display "Media Offline."
- **When performing a workgroup-to-workgroup transfer using a standalone TransferManager, the transfer appears twice in the TransferManager status window.** The first transfer listed in the status window represents the request for a transfer sent by the local TransferManager. The second transfer listed represents the actual transfer from the TransferManager of the other workgroup.

- **When adding an ingest device to the TransferManager Server Configuration tool, the ingest device name you enter must match the name assigned to the ingest device.** The device name is case sensitive. The scavenge attribute is not set if the device names do not match.
- **When sending a job to ProEncode that contain non-English characters, the job might fail.**

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

- **Playback device entries in the TransferManager Server Configuration tool must list different names for multiple Dalet[®] servers.**

For example, if you add the following entries in the Playback device area:

Server1/dalet

Server2/dalet

The Media Browse will only find the first Dalet server. If the first Dalet server is off line Media Browse will not find the second Dalet; Server2/dalet. To send to multiple Dalet servers from Media Browse you need to assign a different name for each Dalet. For example, Server1/dalet1 and Server2/dalet2.

- **Sending audio-only sequences to a playback device is not supported.**

Workaround: Add a video track with filler to the sequence.

- **When the host file is set up for mirroring to two Thomson Grass Valley Group Profiles, sending a clip to one Profile automatically sends the clip to the other Profile.** The clip is the same on both Profiles (mirrored). If you make changes to the clip and resend it to the Profile using the same clip name and click overwrite, the clip is successfully overwritten in the primary Profile, but not in the secondary Profile. This results in having two clips with the same name but with different contents on two Profiles.
- **When mirroring to two Thomson Grass Valley Group Profiles, make sure the directory paths to the Profiles are correct.** The directory paths must be identical for mirrored sends to work properly.

Workaround: You can send to each Profile one at a time.

- **When ingesting from a Profile to an Avid editor client you cannot cancel the transfer.** If you try to cancel the transfer, you will need to restart the TransferManager server application to regain use of the ingest session.
- **(Macintosh only) The Send to Playback option is not supported with TransferManager v2.7 on a Macintosh system.**

- **When Max. simultaneous ingest transfer option on the TransferManager Server Configuration settings dialog box is set to more than 1, then only the first ingest in a multiple ingest request will succeed.** The other ingest requests will return with an error of “device is busy.” You need to restart the transfer using the TM Status window. This happens because FTP Deck Devices can handle only one FTP transfers at a time.

Workaround: You can set the Max. simultaneous ingest transfer option on the TransferManager Server Configuration settings dialog box to 1, thereby multiple transfer ingests request will go into a pending state until the current ingest is done.

- **Retrieve from Nearchive fails when the server name and workgroup name are identical.** If both names are identical and you attempt to drag a clip from the Nearchive user interface to a bin, the transfer fails with a type 5 error.

Workaround: Open the TransferManager Server Configuration window and change the workgroup name to a name that is different from the server name. Then open the Avid editor and perform the transfer again.

- **Transfer status information is not displayed when performing a workgroup-to-workgroup transfer by dragging a sequence or clips from a MediaManager window to a Nearchive window.** When viewing the Nearchive’s TransferManager window with incoming transfers in progress, the Name column displays “not available” and doesn’t display the URL for more information. However, the transfers are successful.

- **If you rename the OMFI MediaFiles folder that the TransferManager uses for transfers, and you perform a transfer using Capture Manager, the media is transferred to the client folder within the renamed OMFI folder.** The TransferManager server does not recognize the changed OMFI folder name. All the transferred media is offline to the editors after the media is checked out of MediaManager, because the media is not within a valid OMFI folder.

Workaround: If you change the name of the OMFI MediaFiles folder, you must stop and restart the TransferManager server for the TransferManager to recognize the new OMFI folder name.

- **PMR files may still be locking on occasion.** You may notice this if newly ingested media is not appearing online.
 1. Access the OMFI media folder, and see if the PMR file is older than the newly ingested media files.
 2. If the PMR file is older, delete the PMR file to force a rebuild of the PMR file.



Rebuilding the PMR file can be a time-consuming process. Make sure the PMR file is older than the last ingested media files before you delete the PMR file.

- **Avid recommends that you reboot the TransferManager server once a week (or after approximately 250 ingests).**
- **If you try to send a sequence to your playback device that contains the same tape ID as a clip cued within Media Browse™ Control Air, you will receive a “kNetwork” error.**

Workaround: Take that clip within the Media Browse Control Air out of cue mode, and resend the sequence.

- **If the TransferManager server is shut down and the editing client has the Transfer Status window open, the editing system will appear as if it is hung.**

Workaround: Close the Transfer Status window within the editing application. This may take a few minutes, but the system will not hang.

- **Errors occur when you attempt to transfer sequences that contain unsupported effects, unsupported media, or unsupported audio formats.** This can occur when you have checked in a sequence from an editing system that supports certain features, and then an editing system that does not support those features checks out that sequence and then attempts to send the sequence to a playback device.

- **Unable to send audio only clips to playback. You may receive “Knetwork errors” and “Protocol errors.”**

Workaround: Place a frame of black in front of the audio, render the title, and then send to Profile.

- **The TransferManager user interface does not display the green bar transfer status for a large playback transfer (such as a 3-hour sequence).** Initially the status is displayed, but as the transfer progresses, the status bar displays white. If you click the detail hyperlink for the transfer periodically, the Amount Completed value will increase.

- **If you transfer a clip to playback that is missing audio or video, you must wait for a complete scan of the drives before the transfer is complete.** This might be time consuming.

- **A Macintosh client does not receive the Now or Later dialog box when initiating a Pull transfer from a remote MediaManager.** When you are a Windows client, and you select the objects you want to transfer and drag them to the Avid system bin, a Now or Later dialog box opens, asking if you want to initiate the transfer. This option does not appear for the Macintosh client. For Macintosh users, Later is always implemented and the user must select Retrieve to bring media online. To retrieve them, select Transfer > Retrieve. The clip info is placed in the bin, but a transfer is not initiated. Highlighting the clip in the bin and selecting Transfer > Retrieve initiates the transfer.

- **In a peer-to-peer environment, when you transfer sequences containing AVX plug-ins, render the AVX plug-in effects before you transfer the sequence.**
- **An “Unable to load DLLs” error might occur when too many (greater than 20) Internet Explorer browsers are started and connected to the TransferManager browser.**

Workaround: Close one or more of the open browsers, wait several (2 to 3) minutes, and then try to open a browser again. The wait period allows the Web server to recover resources it needs to respond to browser requests.

- **A transaction might appear as Paused or Canceled when it might still be transferring.** This can happen when you click Cancel or Pause during a transaction that is in the Pending state but that the TransferManager has already started the preparations for transfer. If a transfer does get into this state, it might continue to transfer.

Workaround: Wait until the transaction is in the Transferring state before canceling or pausing it.

- **After you send a sequence to a remote workgroup and then have a client on that workgroup change the sequence and transfer it back to the original workgroup, duplicate media files are created.**

For example, transfer a sequence containing two master clips, A and B, to a remote workgroup. On a client in the remote workgroup, rename the sequence and add a new master clip to it. Transfer the sequence back to the original workgroup.

Media files associated with master clips A and B are transferred and placed in the TransferManager Inbox directory.

The original media files associated with master clips A and B are still present in the OMFI MediaFiles\Clientxx directory. If the master clips A and B (plus media files) are deleted from MediaManager (those checked in by TransferManager), the media files in the TransferManager Inbox directory are deleted. The ones associated with the original master clips remain in the OMFI MediaFiles\Clientxx directory.

When the master clips from the bin in the Avid editing system are loaded into the monitor, the message “Disk File not Found” is displayed rather than “Media Offline.”

Workaround: Delete the original media files from the OMFI MediaFiles\Clientxx directory, and then batch digitize or batch record the master clips.

- **Configuring a workgroup that has multiple TransferManager servers.** If you have a workgroup with one TransferManager server dedicated to workgroup transfers and one TransferManager server dedicated to playback or ingest transfers, select the Transfer settings properly:
 1. In the NewsCutter Transfer Settings dialog box, click the TMClient.ini tab.
 2. In the Server text box in the My Workgroup section, type the computer name of the TransferManager server dedicated to the workgroup transfers.
 3. Type your workgroup name in the Workgroup text box.
 4. Click Add for the Other Workgroups. Type the computer name of the TransferManager server dedicated to playback or ingest.
 5. In the Workgroup text box, type the name of your workgroup. This should be the same name you entered in step 3.
 6. Click OK.
- **In TransferManager configuration, the ‘disable’ option of workgroup transfers is not supported.**
- **In TransferManager configuration, the DET pull transfer and DET push transfer fields show corrupt values.** Add values to workgroup names in TransferManager configuration and click the save button. An information window is displayed indicating that the changes will be effective after restarting the TransferManager server. The values shown in the DET pull transfer and DET push transfer are corrupted. This is a cosmetic bug and does not affect the values that get saved.
- **In workgroup to workgroup transfer, the Pause and Cancel options from the receiving end are not supported.** Initiate a workgroup to workgroup transfer and click ‘TransferManager Status’ from the Services tab in MediaManager. The TransferManager interface is displayed in a new browser window without any errors with the status of two transfers (receiving and sending end). Clicking ‘Pause’ or ‘Cancel’ is not effective as these options are not supported.
- **Sequences sent to AirSPACE may play back with an extra frame added at the outpost of cuts.** When you digitize film-originated (24fps) video in an NTSC environment, many frames will be pulldown frames that combine a field from the preceding frame with a field from the successive frame. If you have an edit in the timeline where the last frame of the edit is one of the mixed-field frames, you may end up with an output that is not what you expect. You will not see the second field on the desktop display, so the transition across clips will be what you want. However, when the video is transferred to AirSPACE, both fields will be visible, and you may get a flash if the second field comes from a frame that is very different (light vs. dark, etc.) than the preceding frame.

Workaround: If you cut video that was digitized from a film-originated production, avoid ending a segment at a transition between scenes.

Technical Support Information

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