Pro Tools HD 11 Avid Shared Storage and Interplay

ISIS 7000

Power to succeed

Reliable media storage is fundamental to successful broadcast and media production. The higher the stakes, the more essential flexible, scalable and real-time networked storage with rock solid reliability becomes. That is why the world's most demanding broadcast and professional production organizations rely on ISIS 7000. Avid ISIS 7000 uniquely combines highest performance, availability, scalability, and an open architecture with powerful yet simple to use management tools.

Unparalleled performance

Effortless performance and efficient bandwidth delivery in editing-intensive environments set Avid ISIS 7000 apart. Each Avid ISIS 7000 Engine delivers up to 400 MB/s of useable bandwidth, sustaining linear performance even as editor client counts increase, up to 9.6 GB/s (12 Engine Engines) easily meeting the challenge of large scale, high resolution production.

Smarter storage

Avid ISIS 7000 is based on a highly scalable, self-balancing distributed architecture. Each storage blade includes its own processor, so when you add capacity, you also add intelligent processing power. ISIS Mirroring is utilized for highest real time performance.

Exceptional expandability

With tested and proven ability to scale up to 330 real-time multi stream 50Mb/sec clients. ISIS 7000 easily scales as your workflow or facility grows, and media assets now become easily accessible to all users across the enterprise. Capacity ranges from 32TB to 1.53PB raw capacity (24 × 64TB Engines) enough to store up to 1354 fully protected hours of uncompressed 10bit HD, or 25,493 hours of 50 Mb/s compressed HD

Top ISIS 7000 features

No active single point of failure
ISIS media file mirroring mirrored metadata disks; redundant network switching and cooling.

Up to 1.53 PB storage

Scale from 32 TB to 1.53 PB raw capacity, 768 TB with high performance ISIS Mirroring protection.

Unmatched bandwidth scalability

Efficient, linear scaling of bandwidth and usable performance as ISIS storage Engines are added.

Data redistribution

Intelligent storage blades autonomously reconstruct the data in the background while maintaining real-time performance.

FlexDrive

Instantly respond to change by dynamically adding workspaces – and or increasing or decreasing workspace capacity without interrupting operations.

Other features

Gigabit Ethernet infrastructure

Employs standard Ethernet technology, eliminating the need for mixed Fiber Channel and Ethernet networks

i4000 Blade

Higher density and lower cost per TB with 4 TB intelligent storage blade

Integrated switching

Integrated switch blades enable redundant Engine interconnection and client connection to storage. External switch support augments larger client connection requirements

Ultra-fast drive rebuild

Replaced drives are rebuilt up to 20 times faster than conventional RAID techniques

Unified Licensing

Software licensing tracked by Avid

Integration with non-Avid applications

Developed, tested, and optimized to derive maximum performance from Avid ISIS 7000 with Final Cut Pro 7 and Adobe Premiere Pro CS6

LDAP Synchronization

Synchronize with the Lightweight Directory Access Protocol (LDAP) servers such as Microsoft Active Directory

Health Monitoring

Browser-based, graphical representation of the whole system

http://www.avid.com/US/products/ISIS7000/specifications

Specifications

Avid ISIS 7000 Engine

- Rigid rackmount ready chassis (4U rack height) contains 16 Avid ISIS Storage Blades, 2 Integrated Ethernet Switch Blades, and 3 Power/Cooling Blades

- Laminar airflow for efficient cooling of all components

- No internal cabling; passive mid-plane distributes signals and power directly to all internal components

Dimensions

Avid ISIS 7000 Storage Blade
- Width: 19 in (482 mm)

- Depth: 28.75 in (730 mm)

- Max Weight: 127 lb (57.6 kg)

- Power Consumption: 1150 watts (max.)

- Intelligent dual-drive storage elements; 2 TB, or 4 TB per blade

- Design minimizes drive vibration

- Integrated Linux-based server with dual redundant 1 Gb or 10 GB/s Ethernet ports

- Each blade is a hot swappable field replaceable unit (FRU)

Avid ISIS 7000 Power/Cooling Blade

Avid ISIS File System
- 600 watt power supply

- Redundant, 2+1 configuration

- Hot swappable field replaceable unit (FRU)

- 64-bit self balancing, distributed file system

- Enables guaranteed real-time access to the storage blades

- Distributes file system management among clients, storage blades, and System Director

Integrated Ethernet switching

Avid ISIS 7000 System Director
- Dual, independent Layer 2 networks connect clients and storage blades

- Built-in DHCP server for seamless attachment of clients to storage network

- Avid ISIS 7000 Integrated Switch Blade (2 per Avid ISIS 7000 Engine)

  - Eight 1 Gb Ethernet client ports

  - One 10 Gb Ethernet port for external switch connectivity

  - One 12 Gb Avid ISIS Engine expansion port

  - One chassis management port

  - Hot swappable, field replaceable unit (FRU)

- Avid ISIS 7000 Expansion Switch Blade (two required for 3+ Avid ISIS Engine configurations)

  - Creates star-topology for interconnecting three or more Avid ISIS Engines

  - Eleven 12 Gb Avid ISIS 7000 Engine expansion portsHot swappable field replaceable unit (FRU)

Avid ISIS Monitoring, Management, and Administration Tools

- Pictorial system component status notification

- Set up, view, and edit: users, workspaces, disk sets

- View error warnings and informational message logs

- Monitor the health and physical location of major components

- Remote notification of system events

- Dual Quad Core 64bit Intel Xeon L5518 processors, 2.13 GHz, 8MB cache, hyper-threaded

- 12 GB memory with optional memory expansion kit for additional 24GB for certain configurations

- Integrated RAID Controller

- Redundant fans

- Two (2) hot swappable 650W power supplies

- Two (2) hot swappable 1 TB SATA drives (two mirrored system drives)

- Two (2) PCIe Gen 2 x 8 slots

- Three (3) USB 2.0 ports (two on the rear panel and one on the front panel)

- Four (4) Gig-E ports with 2 designated Intel Pro 1000 for ISIS connection

- Dual private System Director network connections (for communications between System Directors)

- One (1) video monitor port

- One (1) serial connector

- Rackmount-ready (1U rack height)

- Rack mount slide rail kit

- The operating system supported on the AS3000 is Windows® Storage Server 2008

- Removable, lockable front bezel

- Dimensions:

  - Width: 19.00 in (483 mm)

  - Depth: 27. in (686 mm)

  - Max Weight: 40 lb (18.1 kg)

- Electrical: 100 to 240 volt; 50 to 60 Hz; 650W maximum; 3000 BTU

Network Switching

Cisco Catalyst
- 4948E: Rack mount 1RU stackable 48-port 1GigE; 48 line-rate 10/100/1000Base-T ports; 2 10GigE uplink interfaces

- 4900M: Rack mount 1GigE & 10GigE; 8 10GigE ports plus 2 modules; 20 line-rate 10/100/1000Base-T ports

- 4500-X: Rack mount 16x or 32x 1GigE/10GigE. Optional 8 port 10GigE uplink module

Dell Force10 Networks Rack mount 1RU stackable 24 or 48 port
- S25N: 24 10/100/1000Base-T; 4 alternate SFP optical; 2 slots for 10GigE and/or switch stacking

- S25P: 24 SFP optical 1GigE ports; 4 alternate 10/100/1000Base-T ports; 2 slots for 10GigE and/or switch stacking

- S60: 44 10/100/1000Base-T ports; 4 SFP optical 1GigE ports; 2 slots for 10GigE and/or switch stacking

- S4810: 48 1GigE/10GigE SFP+ optical interfaces, unpopulated

Arista networks
- 7048T - 48 x 1Gb ports, four 10GigE SFP+ ports

ISIS 5000

Game changing capability and workflow flexibility has never been more affordable. ISIS 5000 sets the benchmark for real-time, media-optimized shared media storage, and that's good news for both your top and bottom line.

Real performance

Built on the unique ISIS file system, ISIS 5000 delivers the same simultaneous media access, dynamic storage allocation, and reliable linear scaling as the reference-standard ISIS 7000 system. Of course, every ISIS 5000 model meets Avid's high standards for real-time editorial workflow support and stable operation.

'We have had a few different shared storage solutions, both Avid and non-Avid, and none have been as easy.'
Henrik Cednert, CTO, Mekaniken Post Production

Collaborative power

ISIS 5000 supports Avid Media Composer, NewsCutter, Symphony, Pro Tools, and DS as well as Apple Final Cut Pro 7 and Adobe Premiere Pro CS6. Qualification with Avid Interplay Production asset management and AirSpeed servers gives you the power to build highly-efficient end-to-end workflows.

Worry about the important stuff

Installation and network configuration software wizards combine to minimize set-up time and effort. The Management Console simplifies user and storage management (including LDAP support) as well as its intuitive monitoring and diagnostics, so you can spend less time on administration and more time creating content.

Start small – or big

With 90 connection licenses included, and raw capacity from 16TB or 96TB and 32TB to 192TB, ISIS 5000 fits a wide range of facility needs with plenty of room to grow. Depending on the model, four 1Gbit Ethernet ports or a 10Gbit Ethernet port provide connectivity to one or two external switches, or directly connect to up to eight 1Gbit clients and one 10GigE client.

Peace of mind

Our focus on real-time shared media production has helped thousands of media businesses boost creative quality and productivity. More than products, it's peace of mind

knowing that knowledgeable professionals dedicated to your success are always ready to assist.

Top ISIS 5000 features

ISIS File System
Delivers simultaneous access to the same media, andreal time QoS to support workgroup editing on any tested scale with characterized performance

FlexDrive
Instantly respond to change by dynamically adding workspaces – and or increasing or descreasing workspace capacity without interrupting operations

4 to 90 client connections
Available with up to 9 direct client connections or external 24 to 48 port primary, and expansion switches

Management control
Easy to use yet powerful management of users, storage, monitoring and diagnostics

Avid tested and proven
Throughput and stream count rigorously tested and document performance

Other features

ISIS File Gateway
A dedicated server and software option that enables non real-time Windows, Mac, and Linux users to access and use ISIS 5000 storage

Adobe Premiere Pro CS6 Support
Tested and qualified for Adobe Premiere CS6 editing workgroups

Final Cut Pro 7 Support
Tested and qualified for Final Cut Pro 7 editing workgroups, or mixed Avid/FCP 7 editorial workgroups

Specifications

Avid ISIS 5000 Engine

- Windows Storage Server 2008 64-bit

- Rack mount ready; 3U rack height

- Sixteen 1TB or 2TB SATA II (7,200 rpm) media drives

- Three 4+1 RAID-5 ranks plus hot spare

- Automatic drive failure sensing and rebuild

- Lockable front bezel

- Dual power supplies and fans

- Internal ISIS System Director metadata management

- Redundant, mirrored SATA II system drives (rear accessible, hot swap)

- Lockable front bezel

Dimensions

Environmental
- Width (mounting):17.00 in./432mm. (total) 18.81

- Height: 5.25 in./133mm.

- Depth: 29.00 in./737mm.

- Max Weight (shipping): 112 ilb/50.8kg

- Operating Temperature: 5°C to 40°C

- Non-operating Temperature: -40°C to 50°C

- Relative Humidity (operating): 5% to 95% non-condensing

- Max power consumption: 380W

Network Switching

Platform Support
Cisco Catalyst

- 4948E: Rack mount 1RU stackable 48-port 1GigE; 48 line-rate 10/100/1000Base-T ports;
  2 10GigE uplink interfaces

- 4900M: Rack mount 1GigE & 10GigE; 8 10GigE ports plus 2 modules; 20 line-rate 10/100/1000Base-T ports

- 4500-X: Rack mount 16x or 32x 1GigE/10GigE. Optional 8 port 10GigE uplink module

Dell Force10 Networks
- Rack mount 1RU stackable 24 or 48 port

- S25N: 24 10/100/1000Base-T; 4 alternate SFP optical; 2 slots for 10GigE and/or switch stacking

- S25P: 24 SFP optical 1GigE ports; 4 alternate 10/100/1000Base-T ports; 2 slots for 10GigE and/or switch stacking

- S60: 44 10/100/1000Base-T ports; 4 SFP optical 1GigE ports; 2 slots for 10GigE and/or switch stacking

- S4810: 48 1GigE/10GigE SFP+ optical interfaces, unpopulated

Arista networks
- 7048T - 48 x 1Gb ports, four 10GigE SFP+ ports

- Qualified operating systems:

  - Microsoft Windows XP Professional (32 bit)

  - Microsoft Windows Vista Business (64 bit)

  - Microsoft Windows version 7 (64-bit)

  - Macintosh Lion 10.7 (64-bit)

  - Macintosh Mountain Lion 10.8 (64-bit)

- Qualified network connections

  - 1 Gbit Ethernet

  - Dual 1Gbit Ethernet connections

  - 10 GigE Ethernet connections

Collaboration
- Files/Folders: 3 Million

- User Accounts: 5000

- User Groups: 1000

- Avid editor support:

  - Media Composer

  - Pro Tools

  - Symphony

  - NewsCutter

  - DS

  - iNEWS Instinct

  - Interplay Production Asset Manager

  - Interplay Central

  - Interplay Sphere

- Apple Final Cut Pro 7 support

- Adobe Premiere CS6

ISIS 5000 Network Interfaces (10GigE NIC is an option for 16TB Engine)
- 10G Ethernet NIC XFP+

- 4 ports 1G Ethernet (1000BASE-T)

Avid ISIS File System

- 64-bit self balancing, distributed file system

- Enables real-time access to the storage blades

- Distributes file system management among clients, storage blades, and System Director

Administration Tools

- Dynamic workspace set-up and monitoring

- FlexDrive™ dynamically adjustable storage workspaces without editing interruption

- User administration: view, create, define workgroups, delete and assign passwords
  - Active Directory (LDAP) integration for user account synchronization with IT systems
  - User workspace access controls

- Pictorial system component health monitoring and status notification

- Error warning and informational logging

- Monitoring: user status, workspace status, comprehensive event log, read and write bandwidth usage

- Remote notification of system events

Avid Interplay

http://www.avid.com/US/products/family/Interplay

Intelligent production and management solutions for media professionals

Interplay solutions include a set of media production and asset management technologies that enable you to access and create media, automate your ingest, production, and distribution processes, and even link with business functions such as planning, traffic, analytics, and rights management.

Tools

Interplay Central

Web-based tools with customizable, role-based layouts that enable users and unify media production.

http://www.avid.com/US/products/Avid-Interplay-Central

An essential front-end for Interplay Production and iNEWS, Interplay Central is a web-based tool defined by task-driven, customizable layouts that:

- Provide real-time access to production assets, metadata, and iNEWS stories
- Extend story-centric, media production workflows
- Facilitate workflow, video editing, audio editing, NRCS, messaging, and workgroup collaboration
- Tie multiple contributors with different roles together in and around the creative process

Interplay Central unifies media production across roles and enables users to:

- Search for and playback clips
- Drop markers
- Make notes
- Create sequences
- Log and generate sequences of multicam projects
- Add restrictions
- Monitor and mix audio
- Send-to-playback
- Message with deep links

The modular interface accommodates and streamlines user tasks based on what they need to accomplish:

Logger/Journalist/Producer

http://www.avid.com/US/products/Avid-Interplay-Central/Benefits

User Benefits

Web and mobile platforms deliver the ultimate in work flexibility; allowing you to work how, when and where you want.

- **Access Media -** Access all of your production assets and associated metadata from a single, unified UI including enhanced search capabilities and real-time playback

- **Sequence -** Create rough-cut, multicam or more advanced sequences with video dissolves or L-cuts
- **Log -** Add Markers and sub-clip video or live feeds allowing for the subsequent search and retrieval of relevant content
- **Frame-chase edit -** Play or edit MXF media that is being captured by a supported device such as AirSpeed
- **Message -** Message all of your associates to exchange asset links and notes on assets throughout the workgroup and directly to the editing desktop, speeding pre-planning, review and approval
- **Restrict**– Add content use restrictions
- **Adjust audio –** Use any audio track from the source clip in a sequence, modify audio levels of individual clips, and create audio to narrate a video sequence

Business Benefits

- Enables **distributed workflows and real-time collaboration** between media production functions to get more done
- Agile, extensible platform means it **adapts to your users' needs today and transforms to meet your needs tomorrow** by embracing new ways of working, connecting and collaborating in your ever changing business environment
- **Extend your available talent** and resources by enabling field-based collaborators

Administrative Benefits

- Delivers a model of **simple deployment and low cost of ownership** with a lightweight application with all software installation, licensing, administration and upgrades consolidated on one or more services that handle multiple simultaneous client connections
- **Choice of platform** with Mac and Windows support
- **Useable with either iNEWS content, Interplay media or both simultaneously**
- Real-time proxy generation for streaming video access – **low res clips are loaded on-the-fly**
- **Enables distributed workflows**

http://www.avid.com/US/products/Avid-Interplay-Central/Workflows

Reality TV Production

Interplay Central provides the capabilities necessary to deal with the hundreds to thousands of hours of footage shot in a Reality Show season. Producers, assistants, and loggers can contribute to the creative process and they don't have to be in the facility to do it. Through the browser interface, people supporting the editorial staff can access all media to be more involved in the post-production process to deliver under tight deadlines.

Benefits of Interplay Central for TV Production:

- Log, make notes, and sub-clip media
- Create locators and restrictions defining asset use such as talent release

- Search footage by season or by logging information such as by character
- Producers can work with footage during the writing process
- Simple editorial tools to enable a producer to string-up media
- Record temp voiceovers from browser interface
- Review footage from any location either by browser or iOS tablet
- Multicam Playback supporting up to 9 simultaneous streams
- Multicam with full audio monitoring with multiple audio sources

Sports

Interplay Central helps sports producers and editors to find and use the footage to inspire and excite fans. Loggers can be working remotely to quickly add locators, comments and notes as the game is happening with Interplay's Frame Chase capabilities. This metadata can be used to find the right media for the play or player when needed. Members of the staff can pull together highlights of games, player profiles, and fan events that can be retrieved from archive or nearline later in the season. Through integrated playout options, material can be pushed to in-stadium playout servers easily.

Benefits of Interplay Central for sports:

- Add locators and create sub-clips for plays, lineup, injuries, and stats
- Search and browse Interplay workgroup content based on player information
- Review and log game footage before it gets to edit
- Search to find the right frames when you need them
- Assemble a roughcut, shot list, or even a final story

Newsroom

Interplay Central extends newsroom capabilities to connect journalists and contributors wherever they are with rundown-based workflow tools. It extends multi-newsroom capabilities by providing direct access to every station group or network iNEWS system. With direct integration to the Delivery and Transfer functionality of Interplay Production, Interplay Central can be used to drive Send-to-Playback of material and transfer of media to remote sites.

Benefits of Interplay Central in the newsroom:

- Enhanced collaboration and distributed workflows mean faster to air
- Send to playback enables rapid turnaround on breaking news
- Create, browse, and share media, script and rundown assets with rich metadata
- Browse and search across iNEWS and Interplay workgroup content simultaneously
- Open projects in NewCutter giving craft editors more opportunity to collaborate with journalists
- Synchronized story creation to create and edit iNEWS scripts and Interplay sequences in real-time
- Consolidate and manage iNEWS stories through projects
- Connect with newsrooms around the world with iNEWS Community
- Mobile capabilities and access:

- Create, edit, and review and approve iNEWS scripts and review Interplay video content with an iPad, iPhone or iPod
- Replace printed iNEWS scripts for on-air talent and hand-written notes for field reporters

http://www.avid.com/US/products/Avid-Interplay-Central/specifications

Specifications

Video	**Languages**

- Codecs HD: XDCAM HD 50Mbits/35Mbits/ 17.5Mbits, XDCAM EX 35Mbits, HDV 720p, HDV 1080i, AVC-INTRA 100/50, DVCPRO-HD, DNxHD 115-120-145, DNxHD 36-40-45, H264

- Codecs SD: IMX50/40/30, JFIF, DV 50, DV 25 420, DV 25 411, MPEG2 Long GOP SD, MPEG-4 Proxy H263, MPEG-4 Proxy H264

- Codecs Audio: PCM 32-44-48khz 16/24bit, MPEG1_Layer2 Stereo

- 3-5Mb Internet connection for optimal performance

Mobile client requirements
- iPhone 3GS, 4, 4S, 5

- iPod 4

- iPad 2, 3, 4, mini

- iOS 6.x

Qualified Browsers
- Chrome on Windows 7

- IE 9 with Chrome frame plug-in on Windows 7

- Safari on MAC OSX 10.6, 10.7,

- French

- German

- Spanish

- English

- Simplified Chinese

- Korean

- Japanese

Interface
- Lightweight browser-based application accessible via a secured Internet connection

- Story-centric organization

- Customizable views

- Modular, resizable function panes

Middleware Hardware Requirements
Software installation, licensing, administration and upgrades are consolidated on one or more servers that handle multiple simultaneous client connections for browsing and editing.

- Minimum dual eight core @ 2.0 Ghz, 64GB RAM, RHEL 6.2

- Qualified: HP DL360 G8

- Optional: 10 GigE network card

Avid Editors

[Media Composer](#) and [NewsCutter](#) editors connected to Interplay Production can easily save up to 40% of their time with instant access to the right media and automated background services.

Workflow Services

Interplay Sphere

Real-time production everywhere with facility-connected editing and transparent uploading.

http://www.avid.com/US/products/Interplay-Sphere

What is Interplay Sphere?

Interplay Sphere opens the new frontier of universal connectivity for news, sports, and video production, letting you craft better stories from where they're actually happening with a full range of media access and collaborative capabilities. Whether working on a news story across town or a sporting event across the world, Sphere gives editors, reporters, and videographers the ability to ingest, edit, and move media fluidly between story site and production facility.

Requiring only a NewsCutter or Media Composer editor and an internet connection to an Interplay Production workgroup, Interplay Sphere connects multiple remote editors simultaneously, letting them combine footage from the scene with material on the Interplay Production system. For quick turnaround, proxies of finished edits can precede upload of full resolution media, all becoming available to everyone in the facility or the field in one simple, transparent process.

http://www.avid.com/US/products/Interplay-Sphere/Features

Key Benefits

Work worldwide

Use global editing workflows, including access to Interplay Production assets.

Work safe

Operate in a secure private cloud.

Work in parallel

Upload and share field assets while editing.

Work anywhere

All you need is a camera, laptop, and 4G or WiFi connection.

Key Features

Interplay Sphere lets you:

- Extend real time collaborative production to anyone anywhere with an Internet connection

- Edit projects from any location, incorporating both locally acquired and workgroup media assets

- Browse and use streamed workgroup media in real-time without pre-creating proxy media

- Transparently handle transcoding, uploading, and check-in of finished projects and locally acquired media in the background with a WiFi or 4G connection

- Quickly upload H.264 proxy media

- Upload H.264 proxy media, full-resolution media, or proxy followed by full-resolution media

- Begin uploading media before a sequence is finished

Feature Details

Easy, two-way access/connection
Enables editors or journalists in the field to securely edit complete stories from any location, collaborate with distributed teams across complex workflows, and easily deliver content to production facilities.

Simplified workflows
Automatically manages the transcode, upload and check-in to any connected Avid Interplay system in the background without disrupting an editor's work. Allows users to edit directly from Interplay and pre-defined output processes simplify editing and automatic check-in on the production asset system.

Intelligent media transfers
Speeds the crucial transfer of local media from the field by providing the ability to begin uploading media as a story is being edited, intelligently prioritize media transfer based upon working content, and deliver proxy files ahead of full-resolution files.

Extends the newsroom to any location
Interplay Sphere, working with full-featured Media Composer and NewsCutter editors and Interplay Production, enables the full spectrum of media creation, workflow management, collaboration and connectivity, optimized for broadcast and fit for any deadline-driven environment.

http://www.avid.com/US/products/Interplay-Sphere/Specifications

Sphere Technology

Software:

Client:
- Interplay Server software (5 client licenses)

- Additional individual licenses

System Requirements
Interplay Common Playback Services Server Hardware

- Dual six core, 48GB RAM, 2U, RHEL 6.0 (Qualified: HP DL380G7)

- Optional 10GigE network card

Receiver Server Hardware:
- Avid AS3000

Back End:
- Interplay Production 2.5 or later

- ISIS 5000 or 7000

Client:
- Media Composer 6.5 or later

- NewsCutter 10.5 or later

- Windows 7 Professional SP1 (64-bit)

- Mac OSX Lion and Mountain Lion

The Interplay Common Playback Services (ICPS) server supports the following media formats in Sphere Frame rates Supported

- 1080i 59.94

- 1080i 50

- 720p 59.94

- 720p 50

- 30i NTSC

- 25i PAL

- AVC-Intra 50/100

- DNxHD (up to 145 Mbps)

- DV 25 (4:1:1/4:2:0)

- DV 50

- DVCPro-HD

- HDV 720p

- IMX 30/40/50

- MPEG-2 Long GOP

- Sony XDCAM EX

- Sony XDCAM 17.5/35/50

- h.263/MPEG-1 layer 2 (proxy)

- h.264/MPEG-1 layer 2 (proxy)

In order to stream these formats, the ICPS server performs a real time transcode to a proxy format. Avid recommends a bandwidth of 3.5 Mbps or greater for remote playback. 5 Mbps or higher delivers the best results and lower bandwidth can result in dropped frames during the initial playback.

Interplay Pulse
Link production with web, mobile and social media platform distribution through a single UI and automated workflow.

http://www.avid.com/US/products/Multi-Platform-Distribution/

Interplay Pulse simplifies, speeds, and unifies distribution of content to diverse channels and devices, enabling broadcasters to shape a total audience experience. Interplay Pulse links production with distribution to web, mobile and social media outlets by orchestrating workflow and automating file preparation and transcoding. It provides a single interface within iNEWS or Interplay Production to create and deliver content to any selected destination platform.

Benefits of Interplay Pulse multi-platform distribution

Deliver a cohesive, multi-channel audience experience

Interplay Pulse provides a platform to strengthen your brand affinity, build audience share, and increase ad revenues by more efficiently and effectively reaching and engaging audiences across the most relevant platforms for you.

Add compelling, complimentary content

Addressing new media consumption trends and the need to easily create and deliver compelling, complimentary content, Interplay Pulse provides a seamless, integrated workflow for content distribution to multiple channels.

Future-proof your investments

Interplay Pulse leverages existing systems and accommodates your business needs and market requirements as they change and expand.

Top Features

Seamless workflow integration

Leverages iNEWS and Interplay Production to simplify and extend your existing workflows, and provide access to assets and metadata through a single interface to create, version and publish content to various platforms.

Story sharing

Enables on-air and web journalists to share assets and stories by automating content sharing between iNEWS and a web CMS to improve overall asset re-use and minimize redundant content acquisition.

Social media publication

Lets journalists leverage video, pictures and text to develop compelling social media messages as part of the core creation process. Video assets are automatically transcoded and published to the online video platform with video links embedded in the social message.

Story-centric publishing to any platform

Journalists can focus on creating a compelling story and easily publish to any platform from iNEWS or Interplay Production using fully automated transcoding and delivery processes with integrated review and approval.

Avid Services and Avid Advantage support

Avid Services employs industry-standard workflows and best practices to position your organization for growth and profitability. Once deployed, Avid Advantage support helps ensure your continued success.

Key Benefits

Leverage existing infrastructure and business relationships

By leveraging existing technologies and investments to consolidate content creation, adapt workflows and orchestrate distribution, Interplay Pulse helps increase the ROI of your existing investments while remaining open and extendable as your needs change.

Improve workflow efficiency

The workflow orchestration provided by Interplay Pulse drastically reduces the number of steps in the production process by managing transcodes, uploads and other complexity in

the background. This not only eliminates unnecessary manual steps, but also speeds your time to delivery across all platforms.

Enable story-centric collaboration

Interplay Pulse provides a single interface for creation of TV, web, mobile, and social media that's seamlessly integrated in either the Interplay Production or iNEWS workflow. It enables on-air and web/social journalists and content creators to collaborate more effectively, while maintaining appropriate review and approval processes.

http://www.avid.com/US/products/Multi-Platform-Distribution/Options

Interplay Pulse is an automated solution for streamlined publication to online, social, and mobile platforms directly from iNEWS and/or Interplay Production. Providing a simpler and more efficient publishing capability, Interplay Pulse improves content coordination and brand extension across channels, while eliminating steps and optimizing resources.

Interplay Pulse makes this possible through:

- Intelligent orchestration of asset and metadata flow from creation, transcode, and delivery
- A media services bus and thorough integration with iNEWS and Interplay Production
- Standard connectors to transcode, social, online video and Web CMS solutions
- APIs to create additional connectors as necessary

Interplay Pulse leverages the infrastructure investments you've already made in web, online video, transcoding systems, and social platforms to extend your existing workflows and improve operational and organizational efficiency.

Connectors
 TABLE WON'T COME THROUGH VIA COPY/PASTE. LINK:
http://www.avid.com/US/products/Multi-Platform-Distribution/Options

Interplay Media Services
Workflow services and integration with best-in-class industry partners from ingest to transcode to transport to archive.

http://www.avid.com/US/products/Interplay-Production/options

From base configurations ideal for smaller, dedicated facilities to large configurations with hundreds of connected users requiring wide-ranging and diverse operations like those of

the industry's largest news and production facilities, there is an Interplay Production configuration for any workflow.

Interplay Production consists of:

- Base configuration comprised of asset management software running on powerful server hardware connected to Avid ISIS shared storage

- Role-based client applications designed to work within common shared work environments

- Options designed to run invisibly and address specific workflow needs

Client Applications:

- **Industry best, precision editing tools** > [Media Composer, NewsCutter, Symphony](#)

  Seamless interaction with all Interplay Production assets and functions without leaving the editor

- **Unified collaboration tools** > [Interplay Central](#)

  Universal client with activity panes for searching, browsing, logging, shot-listing, simple editing, review and approval, news package creation (with iNEWS)

- **Media access** > [Interplay Access](#)

  Affords remote and in-house administrators to efficiently manage the system

Optional Interplay Media Services:

Extend Interplay Production workflow capabilities by automating and moving all non-creative tasks to the background.

Acquisition

- **Instant or scheduled captures** > [Interplay Capture](#)

  Manages media ingest from multiple devices streamlining media capture with fast, accurate scheduling and control

Remote editing

- **Connected editing from anywhere** > [Interplay Sphere](#)

  Real-time, workgroup-connected distributed editing. Enables Avid Editors to playback and upload media and sequences from the field, allowing creative teams to build stories from wherever they take place

Transport

- **Custom-selectable delivery** > [Interplay Delivery](#)

  A single command that uses subclip, shotlist or sequence information to determine what full or partial media segments to transfer between locations

- **Fast file copy** > [Interplay Copy](#)
  One-time or continuous high-speed replication of bulk files or folder structures across the LAN

- **Simple media migration** > [Interplay Move](#)
  Quickly and easily move files, folders and entire folder structures between Avid ISIS storage systems

Transcode

- **New resolutions, same asset** > [Interplay Transcode](#)
  Manual and automated background transcoding, consolidation, and mixdown to the right resolution and tracking as a common asset

Distribution

- **Multi-Platform Distribution** > [Interplay Pulse](#)
  Unify content distribution to a diverse community of channels and devices through workflow automation

- **Intelligent media transfers** > [Interplay Transfer](#)
  Manages media transfers to devices and workgroups in the background as work continues

Archive

- **Streamlined archive and restore** > [Interplay Archive](#)
  Production workgroup-connected archive management that unifies asset search, retrieval and browsing and supports a wide range of storage options including NAS, SAN and tape libraries

- **Asset management interoperation** > Interplay MAM-Production Interoperation (MPI)
  Automated media metadata exchange with Interplay MAM

Media Management

Interplay MAM
Comprehensive media asset management to organize media, make it broadly accessible, unify and coordinate every aspect of production, and link with business systems.

http://www.avid.com/US/products/InterplayMAM4

To create more content under tighter deadlines and distribute that content to an ever-growing array of platforms, you need smart media management driving coordinated workflows.

Meeting Your Challenges

Avid Interplay MAM 4 provides the most comprehensive and intelligent solution for media asset management available today to help you organize your media, make it broadly accessible, unify and coordinate every aspect of production, and link to business functions such as rights management and market data.

With Interplay MAM, you can build workflows and central archives that interlink every contributor, facility, geographic location, and application in the enterprise, letting them work fluidly with all your assets and associated metadata.

Growing as you grow

Designed to grow and adapt with you, Interplay MAM 4 provides a highly scalable and flexible data model capable of handling any specific requirement and changes or additions you need. Unique time-based metadata tracks let you instantly locate the right video, audio, still image, graphics, and documents. Automated through a graphical interface, workflows combine with Web Services APIs and an SOA structure to integrate any server, storage, editing, graphics, or traffic systems.

Quick Start

The Interplay MAM Active Archive solution package delivers key workflows around a dynamic archive capability in a complete quick start package of software, workflow automation, partner integrations, and professional services. Covering the most common access, media operations, and asset protection needs of your organization, you can easily customize and expand workflows, integrations, services and clients as needed.

http://www.avid.com/US/products/InterplayMAM4/activearchive

Interplay MAM Active Archive

Active Archive is an Interplay MAM solution package that addresses the most common access, operations, and asset protection needs of a media organization. It provides workflows based on a dynamic, central media store that can:

- index and locate media
- support video media workflow
- access media from anywhere
- enable users to browse, select, edit, annotate, review, approve, and plan
- automate import, transcode, and distribution workflows
- integrate with productions applications and systems

Media Operations Hub

Interplay MAM Active Archive creates an automated central media operations hub that automates non-creative tasks, connects and speeds processes, organizes and protects media, and lowers the unit cost of storage. Intuitive Interplay tools unite contributors even across divisional and geographic boundaries to collaboratively plan, select, shot-list, annotate, and review and approve content.

No Limits

The Interplay MAM Active Archive solution package includes comprehensive pre-defined software configurations, partner integrations, Avid Professional Services engagements, and Avid advantage support. However it's also essential to plan for change, so you can optionally extend or upgrade the system at any time with additional integrations, capabilities, services, and clients.

Every industry-leading Interplay MAM feature is included such as extremely useful metadata tracks or "strata", graphical workflow modeling and orchestration, and Interplay Desktop, Cataloger, and administrative tools, as well as powerful interoperation with Interplay Production workgroups.

Expertise Included

No one has more experience in media asset management than Avid. Interplay MAM Active Archive comes with full state-of-the-industry expertise from the Avid Professional Services team, which has completed over 1300 customer engagements, and includes one year of 24x7 Avid Advantage Elite support.

[Interplay MAM Active Archive datasheet (PDF)](#)

Top Interplay MAM Features

Essence management
Exceptionally scalable and flexible data model enabling comprehensive media and metadata management with customizable views.

Layered timeline annotation
Multiple metadata tracks presenting rich, time-based descriptive information that can be created and modified for any need.

Web-based user tools
Intuitive role-based tools to connect local or remote PC and Mac users to media and extend real-time collaboration across workgroups, divisions, and geographies.

Flexible workflow engine
Workflow orchestration from ingest to archive through a flexible engine with visual modeling.

SOA structure and Web Services API
Ready integration with servers, encoders, disk storage and archive systems, custom applications, and commercial ERP systems.

Top Interplay MAM Benefits

Cost effective management
Universal media access, workflow orchestration, and real-time project visibility.

Comprehensive value
Get the full power of Interplay MAM in the focused, easy to deploy Active Archive solution package.

Multi-platform distribution
Ability to reach new audiences by linking production with automated distribution processes.

Greater business agility
Ability to respond to competitive opportunities, grow revenues, increase market share, and retain creative talent.

Unified operations
Common access to a safe, automated central archive, linking operations and systems.

Drives content quality
More time spent creating and using assets in new ways.

New Interplay MAM 4 Features

Web-based, frame-accurate media player with the response and precision you expect from Avid.

- Supports Mac environments

- Works quickly and accurately with proxy media

- Expands media access across the enterprise using web browser-based tools

Graphical workflow management
Visual modeling for quicker, error-free workflow design and modification.

- Drag-and-drop workflow building and reuse

- Quick way to identify and resolve issues

Interplay MAM-Production Integration
Transparent linkage between production asset management and media management systems.

Interplay Production
Production asset management that lets producers, editors, assistants, and reviewers collaborate in real-time while non-creative tasks are orchestrated in the background.
http://www.avid.com/US/products/Interplay-Production

The necessity to meet increased competition and exploding demand for more content delivered in more versions to more platforms without compromising creativity or quality requires a better approach to media production.

Interplay Production manages and coordinates content creation, automates workflow, and empowers contributors across the production and editorial ecosystem so that projects can easily move in parallel and be completed faster. Tasks like media movement, transcoding, and proxy generation are orchestrated in the background while producers, editors, assistants, and reviewers around the world can find, arrange, edit, review and annotate media—without wasting time looking for the right clip.

- **Increase production capacity**
  From a single facility or in locations across the world, contributors can work on multiple projects, or the same project, at the same time. With intelligence applied to

every asset, media becomes easier to locate, use, and repurpose, and teams can stay focused on creating content rather than managing it.

- **Opens opportunity**
  With capacity to do more, organizations can develop new programming and explore new markets. Interplay Sphere workgroup-connected remote editing opens completely new production and content possibilities, and Interplay Pulse lets content creators directly publish to any platform for faster and more effective audience reach.

- **Lowers costs**
  Interplay Production takes content creation to a whole new level of speed, efficiency, and creativity. Work goes faster, costs go down, and creativity flows when access to media is instant, remote sites are interconnected, and contributors have the tools they need when they need them.

- **Integrates with existing systems, extends workflows**
  A vibrant partner ecosystem and powerful APIs mean that the solution you need is close at hand. Interplay Production workflows are tightly integrated with Avid editing, Avid ISIS storage and video infrastructure.

- **Proven reliability**
  With over 1400 deployments, Interplay Production is relied on daily by the most demanding deadline-driven broadcast and media production organizations in the world. Partnership with Avid means ready access to industry best practices and the most knowledgeable Services and Support professionals in the industry.

http://www.avid.com/US/products/Interplay-Production/whats-new

Interplay Production 3.0 addresses a wide range of customer workflows and adds entirely new workgroup capabilities:

Interplay Sphere Mac Support
Interplay Sphere upload support is extended to the Mac platform and adds 1080p23.98 support, giving remote editors and contributors the same creative power and experience as in the facility.

Interplay Central Licenses Included
The acclaimed Interplay Central Web-based toolset enables flexible media review, annotation, logging, shot-listing, basic editing, pre-planning from anywhere, and simplifies deployment with single-point licensing and administration. Customers can expand from 5 or 10 seat Base starter configurations or upgrade to Advance "one-license" access to Interplay Production, iNEWS, and Interplay MAM.

Multicam Project Support

Logging and sequence generation of Multicam projects can be done from anywhere through the browser-based Interplay Central UI and the resultant composited video stream can be displayed as either multi- or single-angle directly in the UI player window, bringing new time savings and efficiencies to reality television, TV studio entertainment, and similar production workflows.

Messaging with Deep Links
Workgroup members can use the Interplay Production messaging system to exchange asset links and notes on assets throughout the workgroup and directly to the editing desktop, speeding pre-planning, review and approval.

Interplay Pulse
Interplay Pulse unifies and simplifies content distribution to a diverse community of channels and devices through workflow automation in the right format for each.

Project Sync
A closer relationship between the Media Composer bin structure and the Interplay Production directory structure allows production facilities to work similarly to maintain the shared bins/projects.

Multi-instance Transcode
Up to four instances of Interplay Transcode may be run on the same server, greatly improving overall performance of manual and automated background transcoding and mixdown.

64-bit Engine and Media Indexer
64-bit Interplay Engine and Media Indexer addresses expanding workgroup asset counts with support for 10 million files, and delivers greater performance for installations for every size.

http://www.avid.com/US/products/Interplay-Production/features

Key Features

Collaborative production management
Tracks every media file component and its relationship to each project. Links all resolution and format versions, maintains version control, enables smart media deletion, and supports workflow in a wide range of resolutions and formats. Messaging system with deep links to assets enables enhanced collaboration between workgroup members.

Search and media management
Users can quickly find, browse, and bring media into their project from local or remote sites. Extended search allows for filtering based on a wide range of metadata attributes.

High resolution versions of remote media are transparently delivered to the destination site.

Universal connectivity

Web-based tools and media streaming enable collaborative review, annotation, logging, shot-listing, basic editing, pre-planning from anywhere. Interplay Sphere adds support for remote Media Composer and NewsCutter editing, full workgroup connectivity, and fast, transparent uploading.

Connected archive storage

Extends online shared media access with workgroup-connected ISIS 2000 near-line storage or high-density data tape archive systems, enabling effective storage management.

Complete integration, reliable operation

With complete integration and workflow testing with best of breed Media Composer, ISIS shared storage, AirSpeed 5000 video server, iNEWS newsroom management, Interplay MAM, and over 80 qualified partner integrations, Interplay Production solutions minimize risk, decrease support problems caused by vendor finger-pointing, and decrease uncoordinated version compatibility issues.

Key Benefits

Work from anywhere

Producers, loggers, and assistants can work intuitively with any type of media, instantly delivered as proxies over common Internet connections. Interplay Sphere adds full bi-directional workflow for editors on location or wherever the story is happening.

Create your own solution

Link with web content management systems, manage ingest, orchestrate web and mobile distribution, or create any workflow you can imagine with optional Interplay Pulse integrations, included Web Services APIs and the expertise of Avid Services.

Access local or remote media

Eliminate guesswork and dramatically save time by directly searching media in local and remote sites, then dragging and dropping selected in/out points to the timeline as the full res version is automatically transferred in the target format.

Use less storage

Tracking of all media eliminates duplication and makes regular, safe deletion of unneeded media a quick and simple task. Workflow-connected near-line and archive storage expands media reuse and lowers average cost per used TB.

Unleash the power of collaboration and simplify production

The included Interplay Central toolset provides focused tools for journalists, producers, assistants, loggers, reviewers, media managers and administrators. Much more work gets

done ahead of the editor with web-based tools that are usable anywhere to search, browse, do multi-camera logging, basic editing, review and approval, build complete news packages, and more while non-creative tasks are handled in the background.

NEWS

The dynamic center of news content creation and distribution that lets broadcasters create and deliver breaking news, unify news operations, and engage audiences.

http://www.avid.com/US/products/iNEWS

Deliver news as it happens

The iNEWS newsroom management system is the dynamic center of news content creation and distribution, letting broadcasters create and deliver breaking news, unify their entire newsroom operation, and engage audiences across a broad spectrum of TV, web, mobile and social media channels.

Make the world your newsroom

Wherever a story is happening, your team needs to be there. Whether in the newsroom, the studio, or the field, journalists and producers can create, view, and edit iNEWS stories and browse rundowns through a web-based interface, or native iPhone, BlackBerry, and iPad apps.

Focus on what matters most

iNEWS story-centric workflow tools provide a dashboard of all the content related to key stories in a single location. Everyone covering a hot topic can focus on what matters most, creating and delivering compelling news stories.

Do more with less

iNEWS gives journalists, assignment editors, producers, and news directors swift access to moment-by-moment status information, feeds, stories, and rundowns -- and even playback status via iNEWS Command. Leveraging the speed, reliability, and accuracy of the iNEWS solution, news teams can now produce more content for more channels than ever before.

Top features

Integrated news workflow

- Control every aspect of story creation and distribution through integrated tools for mobile reporting and editing, news graphics, rundown management, playout control, and multi-channel distribution

- Integrate other non-Avid news production applications and systems with iNEWS for a seamless end-to-end workflow via iNEWS Web Services and MOS protocol

Web-based news production

- Create, view, and edit stories and rundowns from anywhere via the browser-based user interface

- Simplify system administration at server level with thin-client architecture

Unbeatable collaboration

Share content and collaborate on stories from anywhere by searching for, viewing, and editing content on any iNEWS systems within a station group or network via browser-based user interface or desktop client

Mobile workflows

- Create, browse, and edit iNEWS scripts from anywhere using your mobile device

- Review Interplay video related to iNEWS stories

- Review and approve news content

- Access real-time news content and rundowns across any iNEWS system within a station group or network

- Replace printed scripts for anchors and reporters using Presenter mode on iPad

- Download native apps for iPad and iPhone

Content ingest

- Consolidate ingest of wires and other sources via serial feed, telnet, email, or by monitoring directories

- Supports all standard wire formats such as ANPA, IPTC, and News ML

- Perform forward searches across multiple iNEWS systems

More Features

Unmatched openness

Provides a rich set of functions to interface and exchange data between third parties and the iNEWS newsroom system via iNEWS Web Services or MOS protocol, offering greater interoperability and choice

Story-centric organization

Consolidate and manage iNEWS stories and related content through projects

Customizable interface

Access your specific preferences including customized toolbars, templates, workspaces and macros every time you login to browser-based or desktop clients

Maximum availability

Continue uninterrupted operations if a server becomes unavailable; all system data is mirrored between multiple servers for highest confidence news operations

Scalability

- Easily add users without reconfiguring every time the station or broadcast enterprise expands
- Retain scripts and rundowns in the online iNEWS system for longer with the newly expanded database size

Simple Administration

- LDAP integration links iNEWS to IT network security for consolidated login process
- Online db visit ensures best practices for maintenance
- Virtualization reduces iNEWS hardware footprint

Integration Partners

iNEWS integrates seamlessly with an array of broadcast devices, interfacing through advanced iNEWS Web Services or by communicating through the MOS (Media Object Server) protocol. Any system or device linked to the news production workflow from video servers and editors to on-air graphics systems, teleprompters, and archive servers, can work with iNEWS.

iNEWS Web Services provide a rich and intelligent interface for text, media, metadata, and control information exchange between integration partners and the iNEWS newsroom management system, offering greater interoperability and choice.

Key functions include:

- Folder navigation and listing

- Queue navigation and listing

- Story creation, editing, and deletion

- Messaging

- Searching

- Monitoring queues for changes

iNEWS Web Services Integration Partners:

- 3T Technology Company

- Anvato, Inc.

- AWT Systems Limited

- Back Channel Media, Inc.

- Bannister Lake

- Brainstorm

- Cell Journalist Inc.

- China Digital Video

- Chyron

- ComCon Services

- DAVID

- EVS Broadcast Equipment

- FCL

- High Resolution Systems LLC.

- HMedia
- Ikan International Corp.
- iMedia
- InterTech Media
- Miranda Technologies Inc.
- Mobile Imagination
- Mosart Media Labs
- MTD Systems
- Netia
- Newauto Digital Technology Co., Ltd
- News Software Solutions LTD
- Omneon Video Networks
- ProConsultant Informatique
- Ross Video Limited
- RS2i
- ScheduALL
- SCISYS
- Social News Desk
- Streamworks Interactive
- Telescript West
- VGCC
- Vizrt
- Weather Central
- WorldNow

Integration via MOS protocol

MOS Protocol is widely used to enable communication between newsroom systems and controlled broadcast devices such as media servers. Typically this is a two-way communication. The newsroom system maintains a current running order on controlled devices, while the devices return media item status. iNEWS supports MOS through a dedicated Gateway and also supports the use of ActiveX controls, which are typically used to provide close integration with controlled devices.

Supported MOS Devices

- AutoScript WinPlus
- Avid Motion Graphics
- Beehive WASP3D
- Brainstorm BrainNews
- Chyron Aprisa (Aprisa 100, 250, and SSX)
- Chyron Duet LEX
- Grass Valley Aurora Playout / NewsQ Pro
- Grass Valley Ignite
- Inscriber Inca AutoCG
- Leitch VR300, VR400 and NEXIO Server Systems
- Netia Radio-Assist
- Omnibus Columbus
- Omnibus News Control
- Orad Cybergraphics
- Pebble Beach Systems Neptune
- Pinnacle Lightning
- Portaprompt WinDigi
- Proximity Xenostore (with Avid Motion Graphics)
- QTV/Autocue QMaster
- Ross Overdrive
- Sony ELC
- Sony NewsBase
- Sony Sonaps
- VertigoXmedia
- VizRT Pilot

Note: Partner integrations are subject to change without notice

System Requirements

Server

Component

Minimum Specification

CPU

Dual 1.6 GHz processor minimum, quad processors recommended

Memory

1 GB RAM per logical CPU minimum, 2GB RAM per logical CPU recommended

Hard Drive

300GB minimum, 500GB recommended; RAID 5 w/4 or more disks recommended. Software RAID not supported

Com Port

Functional COM1 Port required

Network Cards

Two Red Hat Enterprise Linux v6.0 Certified network cards. Mirror NIC and switch configured for 4500 MTU (Jumbo Frames). House NIC and switch configured for 1500 MTU

DVD-ROM

Red Hat Enterprise Linux v6.0 Certified DVD-ROM drive

Operating System

64-bit Red Hat Enterprise Linux v6.0 Standard Edition. One copy is required for each server.

Other

Flash-backed cache or battery-backed cache option required

RedHat Compatibility

Available from Bugzilla

NOTE: Avid will integrate only iNEWS servers which are Red Hat Enterprise Linux certified

Web Client Server

Component

Minimum Specification

CPU

2.8 GHz processor

Memory

1GB RAM

Operating System

Windows Server 2003, Windows Server 2008 R2, or Red Hat Enterprise Linux v5.0 or v6.0

Required Services

Apache 2.0, Tomcat 5.0, JK 2 connector, & Oracle Java 1.5

Web Client

Component

Minimum Specification

Operating System

Microsoft Windows XP or later

Browser

Internet Explorer 5.5(SP2) and later, Netscape 7 and later, and Mozilla Firefox 1.5 and later with the Oracle Java plug-in version 1.5.

Client Workstation PC

Component

Minimum Specification

CPU

700 MHz processor minimum, 1 GHz processor recommended

Memory

512 MB RAM minimum

Operating System

Windows 8, Windows 7 (64-bit or 32-bit), Windows Vista, Windows XP Professional

Data Receiver

Component

Minimum Specification (for up to 8 concurrent feeds)

CPU

2.5 GHz processor

Memory

1GB RAM

Operating System

Windows Server 2008 R2

MOS Gateway Server
Component
Minimum Specification
CPU

2 GHz processor

Memory

1 GB RAM

Operating System

Windows Server 2008 R2

Other

Internet Explorer 6.0 with Java VM Version 5.0.3810 (or higher)

Supported Devices

[See list on Integration Partners Tab](#) ; *Note: A single MOS Gateway supports a maximum of 2 devices*

Fast Text Search Server/Console
Component
Minimum Specification
CPU

Quad-core 2.0 GHz processor

Memory

3GB RAM or more

Disk Controller

IDE supported, RAID supported

Hard Drive

32GB or larger, 7200 RPM or faster

Network Card

Gigabit Ethernet card

Operating System

Windows Server 2008 R2

Networking Components
Component

Minimum Specification

Mirror Hub or Switch

Gigabit Hub or Switch (8 port or higher) for mirror network

Teleprompters
Component

Vendor

WinPlus

AutoScript (Preferred Supplier)
US: +1-203-338-8356
Europe: +44 207 538 1427
Email: sales@autoscript.tv

QMaster

QTV/ Autocue
US: +1-212-929-7755
Europe: +44 208 665 2992
Email: sales@qtv.com

WinDigi

Portaprompt Ltd
Europe: +44 (0)1494 450414
Email: mailto:info@portaprompt.co.uk

The following preliminary support information is being provided in advance of the Pro Tools 11 release and is subject to change.

This page will be updated with official support information when Pro Tools 11 software is available.

Avid Shared Storage and Interplay

Avid Unity ISIS and MediaNet are shared storage solutions for Avid and Pro Tools workstations. Avid Interplay is an asset management system that allows users in an Avid shared storage environment to collaborate

Avid Shared Storage

- Avid Unity ISIS 7000 (requirements)
- Avid Unity ISIS 5000 (requirements)

Avid Interplay (requirements)

Avid Unity ISIS 7000 Requirements:

Avid ISIS 7000 (formerly Unity ISIS) is a shared storage solution for Avid and Pro Tools workstations. For more information, features and specifications, please see the following product section:

- ISIS 7000

For detailed information on installing a Pro Tools client, download the Pro Tools Avid Unity ISIS Guide below.

Please Note: *Information on the web page below may be newer than information contained in the Pro Tools Avid Unity ISIS Guide. In case of conflicting information, please adhere to the information on this web page.*

Pro Tools ISIS 7000 Support

Pro Tools HD software version 10 adds a new RAM-based Disk Cache system. With it, audio is loaded into RAM for instant playback, increasing performance significantly. Allocating a generous amount of RAM to Disk Cache allows for higher track counts over ISIS. Your specific performance will vary depending on session size, the amount of RAM

allocated in the Playback Engine, and the number and bandwidth of other client streaming from ISIS. The following are recommended guileless based on testing with a single Pro Tools client. Actual performance may differ depending on the factors mentioned above.

Record
64 tracks @ 48k/24-bit/Normal Disk Cache Size/2 hour (bounded record).

Playback
It is recommended to allocate 96MB of RAM per 10 minutes of 48k/24-bit audio, per mono track. This number assumes that tracks contain continuous audio. Less RAM is needed for sessions with "checker-boarded" audio.

For long playback passes, it is recommended that you install enough RAM to cache your entire timeline. Systems running non-HD Pro Tools software can also act as ISIS clients, but media streaming is not supported in this configuration. For more information about Disk Cache, see the Pro Tools 10 Reference Guide and the Pro Tools ISIS Guide.

Bandwidth Throttling
With Pro Tools HD 10 and Disk Cache, audio data is pulled from ISIS into local RAM on the Pro Tools client when a session is first opened. If there is not enough RAM available to cache the entire timeline, additional caching will occur when the Pro Tools transport is stopped, depending on the location of the cursor. In some cases, it may be useful to limit the bandwidth of your Pro Tools client to 30 – 50MB/second to avoid interruptions to other clients on the network. This may decrease the speed at which Pro Tools caches audio data, but improve performance for other clients.

Support listed below is for streaming of audio and video media in real-time, except where noted. "Push/Pull Only" indicates that real-time streaming is not supported, but the ISIS 7000 workspace may be mounted as a Transfer volume and files may be copied to local storage for playback. In addition, new files may be saved to the ISIS 7000 workspace for use by other clients.

Avid ISIS 7000 Version	Mac OS X Pro Tools|HD	Windows 7 Pro Tools|HD	Windows XP Pro Tools|HD	Windows Vista Pro Tools|HD
4.2	Pro Tools|HD 10.3.x Pro Tools|HDX 10.3.x-11.0.x Pro Tools|HD Native 10.3.x-11.0.x	Pro Tools|HD 10.3.x Pro Tools|HDX 10.3.x-11.0.x Pro Tools|HD Native 10.3.x-11.0.x	Not Supported	Not Supported

4.0-4.1	Pro Tools|HD 10.0-10.3.x Pro Tools|HDX 10.1-10.3.x Pro Tools|HD Native 10.0-10.3.x	Pro Tools|HD 10.0-10.3.x Pro Tools|HDX 10.2-10.3.x Pro Tools|HD Native 10.0-10.3.x	Not Supported	Not Supported
3.5	Pro Tools|HD 9.x (Push/Pull Only) 10.0-10.2 Pro Tools|HDX 10.1-10.2 Pro Tools|HD Native 9.x (Push/Pull Only) 10.0-10.2	Pro Tools|HD 9.0-10.2 Pro Tools|HDX 10.2 Pro Tools|HD Native 9.0-10.2	Not Supported	Not Supported
2.4	Pro Tools|HD 9.x (Push/Pull Only) 10.0-10.1 Pro Tools|HDX 10.1 Pro Tools|HD Native 9.x (Push/Pull Only) 10.0-10.1	Pro Tools|HD 9.0-10.1 Pro Tools|HD Native 9.0-10.1	Not Supported	Not Supported
2.3	Pro Tools|HD 8.1-9.0.3 (Push/ Pull Only) 10.0-10.1 Pro Tools|HDX 10.1 Pro Tools|HD Native 9.0-9.0.3 (Push/ Pull Only) 10.0-10.1	Pro Tools|HD 9.0-9.0.3 10.0-10.1 Pro Tools|HD Native 9.0-9.0.3 10.0-10.1	Pro Tools HD 8.1-8.1.1	Not Supported

2.2 - 2.2.3	Pro Tools|HD 8.0.3-9.0.3 (Push/Pull Only) 10.0-10.1 Pro Tools|HDX 10.1 Pro Tools|HD Native 8.5-9.0.3 (Push/Pull Only) 10.0-10.1	Pro Tools|HD 9.0-9.0.3 10.0-10.1 Pro Tools|HD Native 8.5-9.0.3 10.0-10.1	Pro Tools HD 8.0.3-8.1.1	Pro Tools HD 8.0.3-8.0.5
2.1	Pro Tools|HD 8.0.1-9.0.3 (Push/Pull Only) 10.0-10.1 Pro Tools|HDX 10.1 Pro Tools|HD Native 8.5-9.0.3 (Push/Pull Only) 10.0-10.1	Pro Tools HD 9.0-9.0.3 10.0-10.1 Pro Tools|HD Native 8.5-9.0.3 10.0-10.1	Pro Tools HD 8.0.1-8.1.1	Pro Tools HD 8.0.1-8.0.5
2.0.4 - 2.0.6	Pro Tools HD 8.0-9.0.3 (Push/Pull Only) Pro Tools|HD Native 8.5-9.0.3 (Push/Pull Only)	Pro Tools HD 9.0-9.0.3 (2.0.6 only) Pro Tools|HD Native 8.5-9.0.3 (2.0.6 only)	Pro Tools HD 8.0-8.1.1	Pro Tools HD 8.0-8.0.5
2.0.2 - 2.0.3 (see Notes)	Not Supported	Not Supported	Not Supported	Not Supported
2.0 - 2.0.1	Pro Tools HD 8.0-8.0.1 (Push/Pull Only)	Not Supported	Pro Tools HD 8.0-8.0.1	Pro Tools HD 8.0-8.0.1
1.7 - 1.10	Pro Tools HD 8.0-8.1.1 (Push/Pull Only)	Not Supported	Pro Tools HD 8.0-8.1.1	Pro Tools HD 8.0-8.0.5
1.4 - 1.6	Pro Tools HD 7.3-7.4 (Push/Pull Only)	Not Supported	Pro Tools HD 7.4, 8.0-8.0.1 Pro Tools HD 7.3.x (Push/Pull Only)	Pro Tools HD 8.0-8.0.1

1.3	Pro Tools HD 7.3-7.4 (Push/Pull Only)	Not Supported	Pro Tools HD 7.3-8.0 (Push/Pull Only)	Not Supported

Notes:

- **ISIS 2.0.2 and 2.0.3 are not supported with Pro Tools** due to a known issue in which Pro Tools can crash upon quitting.
    - ◦ This issue is resolved with ISIS 2.0.4.
    - ◦ Alternately, Pro Tools can be used with the ISIS 2.0.1 client software in an ISIS 2.0.2 or 2.0.3 environment.
- Chelseo™ T3 S310E 10-Gb Ethernet PCIe adapter cards are not supported with Pro Tools.
- Streaming a 10-Gb video editing client from a Pro Tools allocation group may decrease disk performance and is not recommended.
- Myricom 10 Gb Ethernet adapter cards are not supported with Pro Tools.

Elastic Audio
Pro Tools version 10 and higher adds support for Elastic Audio with ISIS and Unity MediaNetwork. With Pro Tools 9.x and previous, Elastic Audio is not supported with Unity Media Network or ISIS. Unity users must remove the ElasticAudio.dpm and ElasticAudio.dpm.rsr from the Pro Tools Plug-ins folder in order to audition audio which resides on a Unity workspace.

RAID-6 Protection
ISIS 2.1 added support for RAID-6 Protection. Pro Tools 8.1 adds support for video streaming from RAID-6 enabled workspaces, however audio streaming from RAID-6 enabled workspaces is not supported by Pro Tools at this time. While audio streaming from RAID-6 enabled workspaces may work with Pro Tools HD 10, it is not officially qualified. RAID 6 has specific limitations about video bandwidth so please see your ISIS documentation for specific details on this.

Pro Tools ISIS 7000 Client Configuration & Slot Order
ISIS 7000 Client Configuration for Pro Tools|HD & Pro Tools|HD Accel Systems with supported Avid video peripherals:

- [Pro Tools Windows Systems ISIS Configuration](#)
- A full Unity seat license is required for Push/Pull workflows with Avid ISIS 7000
- Windows systems have been tested with the Intel PRO∕1000 MT Ethernet card. The HP xw8600 can use the computer's built in Ethernet connection.
- Mac systems have been tested using the built-in Ethernet connection

Media Composer Video Satellite
Media Composer-based Video Satellite is qualified with ISIS 7000 to the same extent that Media Composer without Video Satellite is qualified. See the Read Me for your version of Media Composer to determine which versions of ISIS are supported:

- www.avid.com/mcreadme

Pro Tools ISIS 7000 Zone Configurations & Performance Guidelines

Pro Tools HD 10 & 11 ISIS 7000 Zone Configurations & Performance Guidelines
The performance of Pro Tools HD 10 & 11 will vary depending on session size, the amount of RAM allocated in the Playback Engine, and the number and bandwidth of other clients streaming from ISIS. For long playback passes, it is recommended that you install enough RAM to cache your entire timeline.

Users wishing to simultaneously record large track counts may wish to use 256k block sizes, if supported by your storage configuration. Users with 512k block sizes may see the system go unresponsive for several seconds when stopping a record pass.

Pro Tools HD 10 & 11 are qualified as a Zone 1, 2 or 3 ISIS client only.

- **Zone 1 Client** — Connected to ISIS VLANs via an ISS 1GB port (direct connection)
- **Zone 2 Client** — Connected to ISIS VLANs via a 1GB port on an Avid-qualified layer-3 switch (non-routed)
- **Zone 3 Client** - Routed client that resides on an Avid-qualified layer-3 switch within the Avid Production Network. Only one hop (route) is supported.

Pro Tools 9.x and previous ISIS 7000 Zone Configurations & Performance Guidelines

- ISIS 2.0 added support for user configurable block sizes per allocation group. While ISIS 1.x utilized fixed 256k block sizes, ISIS 2.x adds the ability to configure an allocation group for either 256k or 512k. Due to issues with record performance, **Avid recommends that Pro Tools users wishing to record more than 16 simultaneous tracks to ISIS at 48kHz use allocation groups configured for 256k**. While 512k allocation groups can be used, the system may become unresponsive for 2 – 40 seconds when starting and stopping a record pass with more than 16 simultaneous tracks at 48kHz. The exact length of the unresponsiveness depends on the number of tracks being recorded. Batch AudioSuite and fades processing across multiple tracks and regions may incur similar unresponsiveness on 512k allocation groups.
- 2 TB Intelligent Dual-drive Storage Elements storage blades are not recommended for use with Pro Tools as they can only be configured for 512k.

Pro Tools is qualified as a Zone 1 or Zone 2 ISIS client only.

- **Zone 1 Client** — Connected to ISIS VLANs via an ISS 1GB port (direct connection)
- **Zone 2 Client** — Connected to ISIS VLANs via a 1GB port on an Avid-qualified layer-3 switch (non-routed)

Avid has qualified the following configurations with Pro Tools running 48 audio tracks at 24-bit/48kHz (1 sec edits with 10ms cross fades) and 1 track of DV25 or DV50 video. Audio tracks can be a mixture of play and record.

Audio and video streaming from the same storage groups:

With 2 Avid Workstations (Media Station|PT, Media Composer, NewsCutter, etc.)

With each running up to two DV25 or DV50 video streams.

Zone 1

- 9 Pro Tools systems on a single ISIS engine (16 storage blades)

With 4 Avid Workstations (Media Station\PT, Media Composer, NewsCutter, etc.)
With each running up to four DNxHD 145 video streams.

Zone 1

- 5 Pro Tools systems on a single ISIS engine (16 storage blades)
- 9 Pro Tools systems on 2 ISIS engines (32 storage blades)

Zone 2

- 4 Pro Tools systems on a single ISIS engine (16 storage blades)
- 8 Pro Tools systems on 2 ISIS engines (32 storage blades)

Audio streaming from a dedicated audio only storage group:

Zone 1 or Zone 2
For best performance, a minimum of 4 storage blades for every 2 Pro Tools systems is recommended when configuring a dedicated Pro Tools only storage group. Depending on track count and edit density, more Pro Tools systems may be added, however performance results may vary.

Actual performance depends on specific configuration and program material. More configurations will be announced as they are tested. For details on calculating client loads with different types of video, see the Pro Tools Avid ISIS 7000 Guide.

Avid Unity ISIS 5000 Requirements:

Avid ISIS 5000 is a shared storage solution for Avid, Pro Tools, and third party workstations. For more information, features and specifications, please see the following product section:

- [ISIS 5000](#)

Pro Tools HD software version 10 or higher is required to stream directly from ISIS 5000. Pro Tools versions 8 – 9.x are supported via *push/pull only* with ISIS 5000, meaning that ISIS 5000 workspaces can be mounted and files may be copied to local storage for playback.

Pro Tools HD software version 10 adds a new RAM-based Disk Cache system. With it, audio is loaded into RAM for instant playback, increasing performance significantly. Allocating a generous amount of RAM to Disk Cache allows for higher track counts over ISIS. Your specific performance will vary depending on session size, the amount of RAM allocated in the Playback Engine, and the number and bandwidth of other client streaming from ISIS. The following are recommended guidelines based on testing with a single Pro Tools client. Actual performance may differ depending on the factors mentioned above.

Record
96 tracks @ 48k/24-bit/Normal Disk Cache Size/2 hour (bounded record). Increased performance may be accomplished by allocating extra RAM to the Disk Cache.

Playback
It is recommended to allocate 96MB of RAM per 10 minutes of 48k/24-bit audio, per mono track. This number assumes that tracks contain continuous audio. Less RAM is needed for sessions with "checker-boarded" audio.

For long playback passes, it is recommended that you install enough RAM to cache your entire timeline. Systems running non-HD Pro Tools software can also act as ISIS clients, but media streaming is not supported in this configuration. For more information about Disk Cache, see the Pro Tools 10 Reference Guide and the Pro Tools ISIS Guide.

Bandwidth Throttling
With Pro Tools HD 10 and Disk Cache, audio data is pulled from ISIS into local RAM on the Pro Tools client when a session is first opened. If there is not enough RAM available to cache the entire timeline, additional caching will occur when the Pro Tools transport is stopped, depending on the location of the cursor. In some cases, it may be useful to limit the bandwidth of your Pro Tools client to 30 – 50MB/second to avoid interruptions to other clients on the network. This may decrease the speed at which Pro Tools caches audio data, but improve performance for other clients.

Avid ISIS 5000 Version	Pro Tools|HD Mac OS X	Pro Tools|HD Windows 7	Pro Tools|HD Windows XP	Pro Tools|HD Windows Vista
4.2	Pro Tools|HD: 10.3.x Pro Tools|HDX 10.3.x-11.0.x Pro Tools|HD Native 10.3.x-11.0.x	Pro Tools|HD 10.3.x Pro Tools|HDX 10.3.x-11.0.x Pro Tools|HD Native 10.3.x-11.0.x	Not Supported	Not Supported
4.0-4.1	Pro Tools|HD: 10.0-10.3.x Pro Tools|HDX 10.1-10.3.x Pro Tools|HD Native 10.0-10.3.x	Pro Tools|HD 10.0-10.3.x Pro Tools|HDX 10.2-10.3.x Pro Tools|HD Native 10.0-10.3.x	Not Supported	Not Supported

3.5	Pro Tools|HD 9.0-9.0.5 10.0-10.2 Pro Tools|HDX 10.1-10.2 Pro Tools|HD Native 9.0-9.0.5 10.0-10.2	Pro Tools|HD 9.0-9.0.5 10.0-10.2 Pro Tools|HD Native 9.0-9.0.5 10.0-10.2 Pro Tools|HDX 10.2	Not Supported	Not Supported
3.0-3.2	Pro Tools|HD 8.0.4-9.0.3 10.0-10.1 Pro Tools|HDX 10.1 Pro Tools|HD Native 8.5-9.0.3 10.0-10.1	Pro Tools|HD 9.0-9.0.3 10.0-10.1 Pro Tools|HD Native 8.5-9.0.3 10.0-10.1	Pro Tools|HD 8.0.4-8.1.1	Not Supported 8.1-8.1.1 Not Tested 8.0.4-8.1.1

Pro Tools ISIS 5000 Client Configuration & Slot Order

- Apple Mac Pro desktop computers can be connected to ISIS 5000 using the built in Ethernet port
- Windows computers must be connected using the supported Intel PRO 1000 PT Ethernet card. See the following slot order configurations:
    - HP Z800 Workstation Slot Order & Configuration
    - HP xw8600 Workstation Slot Order & Configuration

Pro Tools ISIS 5000 Zone Configurations & Performance Guidelines

- Pro Tools can be configured as a Zone 1, 2, 3, or 4 client via Ethernet.

Avid ISIS 5000 Hardware Configurations

- All ISIS 5000 hardware configurations are supported for push/pull with Pro Tools.

Additional Resources
- Avid Unity MediaNetwork Workflow Examples
- Avid Workgroups — Documentation & Support
- PCI Slot Configuration with Avid Video Peripherals on Windows Systems

Avid Interplay Requirements

Avid ISIS 5000 is a shared storage solution for Avid, Pro Tools, and third party workstations. For more information, features and specifications, please see the following product section:

- ISIS 5000

Pro Tools HD software version 10 or higher is required to stream directly from ISIS 5000. Pro Tools versions 8 – 9.x are supported via *push/pull only* with ISIS 5000, meaning that

ISIS 5000 workspaces can be mounted and files may be copied to local storage for playback.

Pro Tools HD software version 10 adds a new RAM-based Disk Cache system. With it, audio is loaded into RAM for instant playback, increasing performance significantly. Allocating a generous amount of RAM to Disk Cache allows for higher track counts over ISIS. Your specific performance will vary depending on session size, the amount of RAM allocated in the Playback Engine, and the number and bandwidth of other client streaming from ISIS. The following are recommended guidelines based on testing with a single Pro Tools client. Actual performance may differ depending on the factors mentioned above.

Record
96 tracks @ 48k/24-bit/Normal Disk Cache Size/2 hour (bounded record). Increased performance may be accomplished by allocating extra RAM to the Disk Cache.

Playback
It is recommended to allocate 96MB of RAM per 10 minutes of 48k/24-bit audio, per mono track. This number assumes that tracks contain continuous audio. Less RAM is needed for sessions with "checker-boarded" audio.

For long playback passes, it is recommended that you install enough RAM to cache your entire timeline. Systems running non-HD Pro Tools software can also act as ISIS clients, but media streaming is not supported in this configuration. For more information about Disk Cache, see the Pro Tools 10 Reference Guide and the Pro Tools ISIS Guide.

Bandwidth Throttling
With Pro Tools HD 10 and Disk Cache, audio data is pulled from ISIS into local RAM on the Pro Tools client when a session is first opened. If there is not enough RAM available to cache the entire timeline, additional caching will occur when the Pro Tools transport is stopped, depending on the location of the cursor. In some cases, it may be useful to limit the bandwidth of your Pro Tools client to 30 – 50MB/second to avoid interruptions to other clients on the network. This may decrease the speed at which Pro Tools caches audio data, but improve performance for other clients.

Avid ISIS 5000 Version	Pro Tools|HD Mac OS X	Pro Tools|HD Windows 7	Pro Tools|HD Windows XP	Pro Tools|HD Windows Vista
4.2	Pro Tools|HD: 10.3.x Pro Tools|HDX 10.3.x-11.0.x Pro Tools|HD Native 10.3.x-11.0.x	Pro Tools|HD 10.3.x Pro Tools|HDX 10.3.x-11.0.x Pro Tools|HD Native 10.3.x-11.0.x	Not Supported	Not Supported

4.0-4.1	Pro Tools|HD: 10.0-10.3.x Pro Tools|HDX 10.1-10.3.x Pro Tools|HD Native 10.0-10.3.x	Pro Tools|HD 10.0-10.3.x Pro Tools|HDX 10.2-10.3.x Pro Tools|HD Native 10.0-10.3.x	Not Supported	Not Supported
3.5	Pro Tools|HD 9.0-9.0.5 10.0-10.2 Pro Tools|HDX 10.1-10.2 Pro Tools|HD Native 9.0-9.0.5 10.0-10.2	Pro Tools|HD 9.0-9.0.5 10.0-10.2 Pro Tools|HD Native 9.0-9.0.5 10.0-10.2 Pro Tools|HDX 10.2	Not Supported	Not Supported
3.0-3.2	Pro Tools|HD 8.0.4-9.0.3 10.0-10.1 Pro Tools|HDX 10.1 Pro Tools|HD Native 8.5-9.0.3 10.0-10.1	Pro Tools|HD 9.0-9.0.3 10.0-10.1 Pro Tools|HD Native 8.5-9.0.3 10.0-10.1	Pro Tools|HD 8.0.4-8.1.1	Not Supported 8.1-8.1.1 Not Tested 8.0.4-8.1.1

Pro Tools ISIS 5000 Client Configuration & Slot Order

- Apple Mac Pro desktop computers can be connected to ISIS 5000 using the built in Ethernet port

- Windows computers must be connected using the supported Intel PRO 1000 PT Ethernet card. See the following slot order configurations:
    - [HP Z800 Workstation Slot Order & Configuration](#)
    - [HP xw8600 Workstation Slot Order & Configuration](#)

Pro Tools ISIS 5000 Zone Configurations & Performance Guidelines

- Pro Tools can be configured as a Zone 1, 2, 3, or 4 client via Ethernet.

Avid ISIS 5000 Hardware Configurations

- All ISIS 5000 hardware configurations are supported for push/pull with Pro Tools.

Additional Resources
- [Avid Unity MediaNetwork Workflow Examples](#)
- [Avid Workgroups — Documentation & Support](#)
- [PCI Slot Configuration with Avid Video Peripherals on Windows Systems](#)

Avid Interplay Requirements

Pro Tools Avid Interplay User Guides and Installers (additional details below)

- **Interplay Downloads for Pro Tools 10**
- **Interplay Downloads for Pro Tools 9**
- **Interplay Downloads for Pro Tools 8**

Avid Interplay connects editors, producers, designers, animators, writers, assistants, administrators, even finance and legal departments in a real-time nonlinear production environment. For a full description of the Avid Interplay line of products, please go to:

- Interplay Product Section

For detailed information on installing a Pro Tools client, download the Pro Tools Avid Interplay Guide below.

Pro Tools Interplay Support
Support listed below is for check in and check out of AAF sequences via Interplay Access. For detailed descriptions of the qualified workflows, please download the Pro Tools Avid Interplay Guide below.

Interplay Access Version	Mac OS X Pro Tools|HD	Windows 7 Pro Tools|HD	Windows XP Pro Tools|HD	Windows Vista Pro Tools|HD
3.0* (see Pro Tools 11 details below)	Pro Tools| HDX 11.0.x Pro Tools|HD Native 11.0.x	Pro Tools|HDX 11.0.x Pro Tools|HD Native 11.0.x	N/A	N/A
2.7 (see Pro Tools 10 and 11 details below)	Pro Tools| HDX 10.1-11.0.x Pro Tools HD 10.0-10.3.x Pro Tools|HD Native 10.0-11.0.x	Pro Tools|HDX 10.2-11.0.x Pro Tools HD 10.0-10.3.x Pro Tools|HD Native 10.0-11.0.x	N/A	N/A
2.6 (see Pro Tools 10 details below)	Pro Tools| HDX 10.1-10.3.x Pro Tools HD 10.0-10.3.x Pro Tools|HD Native 10.0-10.3.x	Pro Tools|HDX 10.2-10.3.x Pro Tools HD 10.0-10.3.x Pro Tools|HD Native 10.0-10.3.x	N/A	N/A

2.5 *(see Pro Tools 9 and 10 details below)*	Pro Tools|HDX 10.2-10.3.x Pro Tools HD 9.0-9.0.5, 10.3.x Pro Tools|HD Native 9.0-9.0.5, 10.3.x	Pro Tools|HDX 10.2-10.3.x Pro Tools HD 9.0-9.0.5, 10.2-10.3.x Pro Tools|HD Native 9.0-9.0.5, 10.2-10.3.x	N/A	N/A
2.3 - 2.4 *(see Pro Tools 9 and 10 details below)*	Pro Tools|HDX 10.2-10.3.x Pro Tools|HD 9.0-9.0.3, 10.2-10.3.x Pro Tools|HD Native 9.0-9.0.3, 10.2-10.3.x	Pro Tools|HDX 10.2-10.3.x Pro Tools|HD 9.0-9.0.3, 10.2-10.3.x Pro Tools|HD Native 9.0-9.0.3, 10.2-10.3.x	Pro Tools HD 8.1-8.1.1	N/A
2.2 - 2.2.1 *(see Pro Tools 9 details below)*	Pro Tools|HD 9.0-9.0.3 Pro Tools|HD Native 9.0-9.0.3	Pro Tools|HD 9.0-9.0.3 Pro Tools|HD Native 9.0-9.0.3	Pro Tools HD 8.0.3-8.0.5, 8.1-8.1.1	N/A
2.0 - 2.1 *(see Pro Tools 9 details below)*	Pro Tools|HD 9.0-9.0.3 Pro Tools|HD Native 9.0-9.0.3	Pro Tools|HD 9.0-9.0.3 Pro Tools|HD Native 9.0-9.0.3	Pro Tools HD 8.0.1-8.0.5, 8.1-8.1.1	N/A
1.5 - 1.6.2	N/A	N/A	Pro Tools HD 8.0, 8.0.1*, 8.0.3-8.0.5, 8.1-8.1.1	N/A
1.2.4, 1.4, 1.4.2	N/A	N/A	Pro Tools HD 7.4, 8.0**	N/A
1.2.1	N/A	N/A	Pro Tools HD 7.4	N/A
1.1.2 - 1.1.6	N/A	N/A	Pro Tools HD 7.3-7.4	N/A
1.1	N/A	N/A	Pro Tools HD 7.3-7.3.1	N/A
1.0.4 - 1.0.8	N/A	N/A	Pro Tools HD 7.3-7.3.1	N/A

Additional Compatibility Information
Pro Tools 11 Details

- Unlike previous versions of Pro Tools, no additional Interplay plug-ins are required to be installed for Interplay functionality with Pro Tools 11.

Pro Tools 10 Details

- *Interplay 3.0 testing with Pro Tools 10.3.x is currently in progress*
- To use Pro Tools 10-10.3 with Interplay, the Pro Tools Interplay Integration Plug-In version 2.5 or higher must be installed on the Pro Tools client.
- Pro Tools Interplay Integration Plug-In version 2.5 and Pro Tools 10-10.x can be used with the following
  - Interplay Access version 2.3 and higher
  - Interplay Engine version 2.3 and higher
- To use Send to Playback with Interplay Web Services and Interplay Transfer, install the Pro Tools Send to Playback plug-in version 2.5
- Send to Playback users should use the following:
  - Avid Service Framework 1.3
  - Interplay Transfer 2.4
  - Interplay Web Services 2.2 or higher

Download Pro Tools Interplay Integration and Pro Tools Send to Playback version 2.5 plug-in installers for Mac and Windows:

- ## [Interplay Downloads for Pro Tools 10](#)

Pro Tools Interplay Integration Version Auto-Detection
The Pro Tools Interplay Integration plug-in version 2.5 will auto-detect your version of Pro Tools and install the correct version of the Pro Tools Interplay Integration plug-in. The following versions will be installed:

Pro Tools Version	Interplay Integration Version
10.0-10.x	2.5
9.0.2 – 9.0.5	2.4 Win/2.4.1 Mac
9.0 – 9.0.1	2.3
8.x	1.0

Interplay Production 2.5 Installer Issue
An issue exists with the Mac Pro Tools Integration plug-in on the Interplay Production 2.5 installer. The installer does not install all of the required files to the correct locations. If used with Interplay Access 2.5, users will not experience any problems. If used with Interplay Access 2.4 or previous, Pro Tools users will see a message at launch that the Pro

Tools Interplay Plug-in is not available. The correct 2.5 plug-in installer can be downloaded from this page. This issue does not affect the Windows Pro Tools Integration plug-in or the Mac or Windows Pro Tools Send to Playback plug-ins on the Interplay Production 2.5 installer.

Pro Tools 9 Details
Pro Tools Interplay Integration Plug-In Requirements

- To use Pro Tools **9.0.4** or higher on Mac with Interplay, the Pro Tools Interplay Integration Plug-in version **2.5f7** must be installed on the Pro Tools client. Plug-in version **2.5f7** for Mac resolves an issue where the wrong version of the plug-in was installed when Pro Tools **9.0.4 – 9.0.6** (and any potential future 9.0.x versions) were detected.

- To use Pro Tools **9.0.2** or **9.0.3** with Interplay, the Pro Tools Interplay Integration Plug-In version **2.4** (Windows) or **2.4.1** (Mac) or higher must be installed on the Pro Tools client. Plug-in version 2.4.1 for Mac resolves a folder permission issue where after installation, sequences could not be imported from Interplay Access.

- To use Pro Tools **9.0** or **9.0.1** with Interplay, the Pro Tools Interplay Integration Plug-In version **2.3** or higher must be installed on the Pro Tools client.

- Pro Tools Interplay Integration Plug-In version 2.4 and 2.3 can be used with the following:
    - Interplay Access version 2.0 and higher
    - Interplay engine version 1.6.4 and higher

Download Pro Tools Interplay Integration version 2.4.1 (M), 2.4 (W), or 2.3 (M/W) plug-in installers:

- **Interplay Downloads for Pro Tools 9**

Pro Tools 8 Details
* When installing the Interplay 1.5 – 1.6.2 Pro Tools Integration plug-in with Pro Tools 8.0.1, you must install using the special Interplay 1.6.2 Pro Tools Integration installer which can be downloaded below, rather than installing from the Interplay client disc. This installer can be used in an Interplay 1,5, 1.6, 1.6.1, or 1.6.2 environment.

** To use Pro Tools 8 with Interplay v1.2.4 - 1.4.2 on Windows XP, you must install the Pro Tools Interplay Option using the "Interplay Option Installer for Pro Tools 8 with Interplay v1.2.4 - 1.4.2 (Windows XP)" available for download here:

- **Interplay Downloads for Pro Tools 8**

Pro Tools Interplay Technical Requirements
The following are required to use Pro Tools with Avid Interplay:

- Pro Tools|HD system with the Pro Tools software versions listed above
- Pro Tools Interplay Option (purchased separately for the Interplay server)
- Avid Unity MediaNetwork or ISIS client installed (purchased separately)
- Direct connection to an Avid Unity MediaNetwork or ISIS system

- Interplay Access installed on the Pro Tools system
- (Optional) Pro Tools Send to Playback plug-in with Interplay Web Services and Interplay Transfer (requires Pro Tools 10)

Media Composer Video Satellite

Media Composer-based Video Satellite is qualified with Interplay to the same extent that Media Composer without Video Satellite is qualified. See the Read Me for your version of Media Composer to determine which versions of Interplay are supported:

- www.Avid.com/mcreadme

Additional Interplay Information

- Pro Tools Options with Avid Unity MediaNetwork
- Avid Workgroups Documentation & Support

Downloads and Avid Interplay Guides

Interplay Downloads for Pro Tools 10

Interplay Downloads for Pro Tools 9

Interplay Downloads for Pro Tools 8
(including the Avid Interplay Guide for Pro Tools 7.3-7.4 Users)