

# Intermedia Delivery System™

- > A new evolution in home entertainment
- > Simplifies the way digital media content is acquired and managed
- > Designed by Crestron® to be secure, reliable, and fun to use!
- > Provides seamless access to feature films, music, TV episodes, streaming videos, home movies & photos, and the Internet
- > WorldSearch® quickly finds any kind of content from your local media library and the Internet
- > Stylish and intuitive onscreen menus with high-res cover art and metadata display
- > Embedded Netflix®, Hulu®, YouTube® and more!<sup>[1,2]</sup>
- > Onboard optical drive can play BD and DVD media and import CDs (ADMS-BR only)
- > Built-in secure Web browser with Flash® and Silverlight® plug-ins
- > High-definition HDMI® theater output
- > 7.1 surround sound audio output
- > Two independent digital or analog stereo music zone outputs
- > Audiophile sound quality with support for FLAC, WAV, WMA Lossless, iTunes Plus® & MP3
- > 100% HDCP compliant
- > 1 TB internal storage, expandable via NAS, USB, 1394, or Windows® Home Server<sup>[5]</sup>
- > Easy media upload and synchronization with Windows PC or Mac® using ADMS Connect® software
- > Crestron Home® GUI enables onscreen control over lighting, climate, security, and AV<sup>[3]</sup>
- > Fully controllable using optional wireless keyboard<sup>[4]</sup> or handheld remote<sup>[3,4]</sup>
- > Allows enhanced touch screen browsing and control from any room<sup>[3]</sup>
- > Gigabit Ethernet connectivity
- > Custom chassis design for cool, quiet, robust operation
- > 3-space 19" rack-mountable



ADMS-BR model shown

Giving you the power to acquire and manage virtually any content you desire is what Intermedia Delivery is all about. The ADMS provides a streamlined solution for storing and playing all your digital videos, music, photos and home movies. It also delivers a seamless online experience, letting you rent major motion pictures from Netflix®, stream videos from YouTube® and Vimeo®, and watch your favorite news, sports, and TV shows through Hulu® and Hulu Plus<sup>[1]</sup>, Metacafe®, Comedy Central®, ESPN®, CNN®, and numerous other top providers. Built-in Web browsing completes the experience, giving you full access to all that the Internet has to offer without leaving the comfort of your home theater or living room sofa.

### The World is Your Server™

It's an online world, and the ADMS's exclusive WorldSearch® feature gives you the power to conquer it. Simply enter a title, actor, or any other subject and you're instantly gratified with an organized list of relevant content including full-length feature films and TV shows, clips and trailers, outtakes and interviews, song tracks, and Websites. WorldSearch combs the entire media library on your ADMS and other network drives, along with a plethora of online resources. With WorldSearch, you don't need to know *where* to look — you only need to know what you want.

Whether you just want to find a specific TV episode or viral video, or explore everything there is to know about a certain sports figure or the making of the latest blockbuster movie, WorldSearch finds you exactly what you want — plus a wealth of other media of interest to enhance your enjoyment and expand your knowledge. WorldSearch lets you manage where to look and how to sort the results, listing everything clearly in a stylish onscreen menu with detailed information accompanied by a screen grab image or cover artwork.

### On Demand and Always On Hand

The ADMS gives you more ways to enjoy feature length movies and television programming on your HD display:

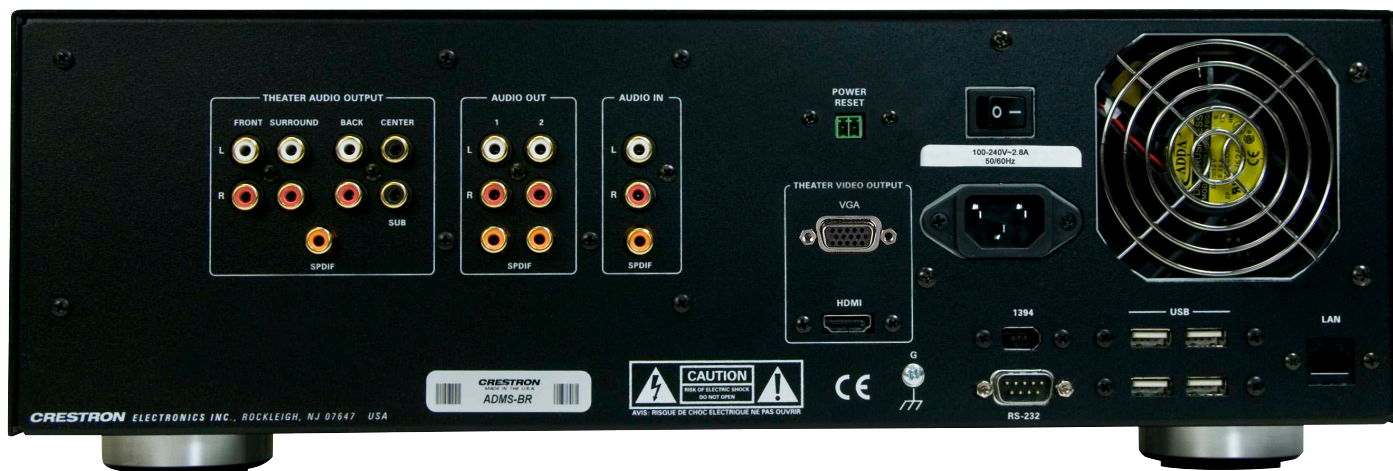
- **Netflix®** — Native Netflix delivers instant access to a huge online catalog of new releases, classic films, and TV episodes. The ADMS offers a Netflix experience like no other, browsing effortlessly through the colorful menu of high-res cover artwork, viewing details for each title, quickly locating specific titles and HD content, and adding favorites to your Instant Queue.<sup>[2]</sup>

The ADMS Intermedia Delivery System™ transforms the way you experience all of today's vast and varied media, from TV programs and movies to home videos, music, and the Internet. The ADMS lets you effortlessly find and enjoy the content you want, whether it exists on a local hard drive or network share, an online store or the World Wide Web. As the centerpiece of your Crestron® home entertainment system, the ADMS replaces the disc players, media servers, HTPCs and set-top boxes that you used to need, providing one elegant, integrated solution for accessing all your high-definition movies, music, Internet TV, home videos, photos, and Web-based content.

### Not a Media Server — A New Standard in Media Delivery

In today's unruly world of multimedia options, with its mind-boggling array of media formats, software applications, set-top boxes, and proprietary user interfaces, the ADMS brings together all the fragments into one cohesive user experience called Intermedia Delivery™.

# ADMS Intermedia Delivery System™



ADMS and ADMS-BR – Rear View

- **Hulu® & Internet TV** — With so much programming now available on the Internet, you may never watch conventional television again. The ADMS delivers an intuitive and inviting way to enjoy Internet TV without ever needing to log onto a computer or open a Web browser. Crestron continues to expand the ADMS's offering of Internet TV services featuring top providers like Hulu and Hulu Plus<sup>®1</sup>, Metacafe, Comedy Central, ESPN, NFL<sup>®</sup>, NBA<sup>®</sup>, CNN, and ABC News.
- **High-Definition Movies & Video** — With support for the most popular video file formats, the ADMS allows seamless integration of an entire movie collection into your personal media library. Browsing through your movies is fun and easy, viewing high-res cover art, movie synopses and cast information for each title, with the ability to search by title, actor, director, genre, and other criteria. Once you've made your selection, the ADMS responds immediately with none of the waiting typical of a common disc player, and all your movies in one place.
- **YouTube® & More** — Instead of huddling around the computer, let the whole family relax and enjoy entertaining and informative online videos right on your HD display through YouTube, Vimeo, and other sites.
- **Web Browser** — In addition to all its native movie and TV resources, the ADMS also features an integrated Web browser providing access to all kinds of other streaming and downloadable content through your HDTV. Optimized for your HD display, the ADMS browser includes Adobe<sup>®</sup> Flash<sup>®</sup> and Microsoft<sup>®</sup> Silverlight<sup>®</sup> plug-ins to ensure compatibility with virtually any Web site or streaming content.

## Music Access to the Max

The ADMS isn't just for home theater — it is also an audiophile grade music server for your whole house. Imagine having your entire music collection hosted on one intelligent device, with the ability to play any track, album, or playlist in seconds using the onscreen display or touch screens throughout the home<sup>3</sup>. The ADMS supports a wide range of lossless and compressed audio file formats including Windows Media<sup>®</sup>, iTunes Plus<sup>®</sup>, MP3 and FLAC, with enhanced support for cover art and metadata. Its three independent audio outputs afford seamless integration with the [Sonnex™ Multiroom Audio System](#)<sup>3,4</sup>, allowing listeners in different rooms to each enjoy their own playlists and podcasts.

## A Photo Album for the New Age

What better place to view your family photos and home movies than on your high-definition video screen? ADMS provides an ideal asset for storing and displaying all your personal media files, offering the ability to organize your photos and videos into album folders, edit metadata for each file, and display them individually or as a stylized slideshow. The ADMS is compatible with a complete range of standard and high-definition file formats from digital cameras, camcorders, and mobile phones.

## The Whole Internet on your HDTV

Why leave the comfort of your theater or living room when the ADMS gives you full access to the Internet right on your HDTV? All your favorite Websites are accessible through the ADMS's integrated Web browser, letting you look up sports stats, check your online auctions, even sign on to Twitter<sup>®</sup> or Facebook<sup>®</sup> right from your favorite chair. Developed to provide an optimal full-screen HD experience, the ADMS browser is also secure and safe from malicious viruses and spyware so you can surf the Internet without fear of corrupting the system or losing your precious data.

## I Sync, Therefore I Am Easy To Use

Managing the music, video, photo, and home movie files on your ADMS couldn't be simpler thanks to ADMS Connect<sup>®</sup> software. ADMS Connect continuously monitors the media folders on your Windows<sup>®</sup> PC or Mac<sup>®</sup> computer (or network drive) and copies new files to the ADMS media library automatically as they're added. It can also be used to copy files manually. Using ADMS Connect, it's easy to keep your ADMS in sync with your computer whether you use iTunes<sup>®</sup>, Windows Media Player, or any other media application.

## Blu-ray Disc<sup>®</sup> Player Option

The deluxe ADMS-BR model features a front-loaded Blu-ray Disc drive, allowing for instant playing of rented or borrowed video discs and compact discs. The ADMS-BR also provides a super simple solution for importing music CDs. Just place the CD in the front panel disc slot and the ADMS-BR quickly imports its contents into your digital music library complete with cover art and metadata. The ADMS-BR lets you define your preference of file format and quality level, supporting AAC, WAV, WMA, and WMA Lossless encoding.

# ADMS Intermedia Delivery System™

## Protected, Boundless Media Storage

The ADMS is designed to provide the most secure, reliable, and expandable home media solution available. It takes a lot of disc space to store any large media collection, and naturally you want to know that all that content is kept safe and secure. The ADMS provides nearly 1 terabyte of onboard storage, enough to handle approximately 45,000 songs in high-quality WMA Lossless format, or over 400 standard-definition movies. Onboard media is kept safe through RAID 1 technology utilizing dual redundant hard drives to maintain two copies of your data at all times.

Expanding the ADMS's media capacity is easy with the addition of one or more Crestron NAS (Network Attached Storage) units (model [CEN-NAS-4TB<sup>\(4\)</sup>](#)). Each Crestron NAS comes pre-configured for use with the ADMS, providing four hot-swappable 1 TB drives with RAID 5 protection in a single rack space. The ADMS is also compatible with third-party NAS appliances, USB and IEEE 1394 external storage devices, and Windows Home Servers.<sup>[5]</sup>

## High-Definition Multimedia Interface®

Whatever your viewing pleasure, the ADMS employs premium graphics processing to enhance and scale everything for the best possible HD home theater experience. Its HDMI® theater output delivers up to 1080p60 HD video with Deep Color, and 7.1 linear PCM surround sound audio to your home theater. Through HDMI, the ADMS configures its output automatically to match the capabilities of your HDTV and audio receiver. Support for HDCP (High-bandwidth Digital Content Protection) ensures trouble-free HD viewing of protected content and complete compatibility with today's AV components.

The ADMS also includes S/PDIF and 7.1 analog audio outputs for the theater zone, and a choice of S/PDIF or analog stereo audio outputs for each of the two multiroom zones.

## Control Your Way

ADMS lets you choose how you control it, with numerous options available. Right out of the box, the ADMS's onscreen display is fully navigable using the optional wireless keyboard ([KB-RFUSB<sup>\(4\)</sup>](#)). Easily browse the media library, play any movie or music playlist, peruse the Internet TV guide, find streaming videos with WorldSearch, and surf the Internet, all using one compact keyboard remote.

Of course, the ADMS affords seamless integration with your [Crestron](#) control system, unleashing a wide assortment of control options using Crestron [handheld remotes](#) and [touch screens](#), or even mobile devices like the [iPhone®](#), [iPad®](#), or [Android™](#). Its onscreen keyboard allows simple one-handed navigation using any Crestron remote. A wireless touch screen affords the ultimate in control, reproducing the ADMS onscreen experience within a beautiful color touch screen complete with cover art and metadata. Adding touch screens throughout the house enables full access to your entire media collection from any room. Even video can be distributed to HD displays in any room using a Crestron [DigitalMedia™](#) system.<sup>[3,4]</sup>



ADMS (faceless) – Front View

## Integrated Home Control

The onscreen Crestron Home® user interface enables integrated control of lighting, climate, security, AV and other systems throughout the house, all through your HD display.<sup>[3]</sup>

## Ultimate Performance, Reliability & Support

The ADMS was engineered from top to bottom for high performance, cool-running operation and the smallest possible “acoustic footprint.” Extensive volumetric and heat generation testing produced an innovative enclosure design that runs cool and quiet. New features and security updates are validated by Crestron and distributed automatically through your broadband connection to ensure continuous secure and reliable operation. The internal Crestron Watchdog constantly monitors the status of the ADMS, automatically resetting the system in the event of any problem. Remote access allows your Crestron dealer to assess any issues and restore proper functionality without ever going onsite.

## The Bottom Line

The ADMS Intermedia Delivery System sets a new standard in home entertainment, reinventing the way you experience digital media. It moves people away from their computer screens to take fuller advantage of their high-definition displays and surround sound systems. It saves precious leisure time by streamlining the effort it takes to find and play content, making the world of digital media friendlier. It enhances the whole entertainment experience, finding more media of interest than you're likely to find by any other means. Simply stated, the ADMS makes life more fun and interesting!

## SPECIFICATIONS

### Storage & Disc Drives

**Internal Hard Drive:** 1TB RAID 1 (mirrored) SATA Hard Drive Array (2 x 1TB), 930GB available for media storage

**External Storage Support:** NAS, Windows Home Server

**Optical Disc Drive (ADMS-BR Only):** (1) Slot-loading Blu-ray Disc® drive, read-only; supports Blu-ray Disc, DVD, DVD-R, DVD+R, DVD-R DL, DVD+R DL, DVD-RW, DVD+RW, DVD-RAM, DVD-ROM, CD, CD-R, CD-RW, CD-ROM

**Additional Media Support:** USB, IEEE 1394

# ADMS Intermedia Delivery System™

## Embedded Applications

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Integrated Web Browser w/Adobe® Flash® and Microsoft® Silverlight® plug-ins

## Graphics Engine (for Home Control GUI)

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24-bit non-palette graphics + 8-bit alpha channel transparency, 16.7 million colors, Synapse image rendering algorithm, multi-mode objects, DNav dynamic menu objects, dynamic graphics, PNG translucency, full-motion (60 fps) animation, transition effects

## Ethernet

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10/100/1000BaseT, auto-switching, auto-negotiating, auto-discovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP;  
Requires 1 Mbps minimum Internet connection speed, 4 Mbps or greater recommended

## Video

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**Output Signal Types:** HDMI®, VGA (RGBHV)  
**Output Formats:** HDMI w/Deep Color, HDCP content protection support, HDTV progressive up to 1080p60, HDTV interlaced @ 1080i only  
**Output Resolutions, Progressive:** up to 1080p60  
**Output Resolutions, Interlaced:** 1080i30  
**Video Formats:** Windows Media® (WMV), MPEG (MPG), MPEG2 (MP2), MPEG4 (MP4), MTS, M2TS, ASF, AVI, DV, M4V, MKV, MOV, MPE  
**Video Codecs:** H.264, Windows Media Video, MPEG1/2, and any codecs built into Windows including MJPEG, Microsoft Video 1, Cinepak, etc.

## Audio

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**Output Signal Types, Theater Zone:** HDMI, S/PDIF, up to 7.1 analog, stereo analog  
**Output Signal Types, Zones 1 & 2:** S/PDIF, stereo analog  
**Input Signal Types:** S/PDIF, stereo analog  
**Output Formats, Theater Zone, HDMI:** Up to 8-Channel PCM (48 kHz maximum)  
**Output Formats, Theater Zone, SPDIF:** Dolby Digital®, Dolby Digital EX, DTS®, DTS-ES, DTS 96/24, 2ch PCM  
**Output Formats, Theater Zone, analog:** Stereo 2-Channel, Surround Sound up to 7.1  
**Output Formats, Zones 1 & 2, SPDIF:** 2-Channel PCM  
**Output Formats, Zones 1 & 2, analog:** Stereo 2-Channel  
**Input Formats, SPDIF:** 2-Channel PCM  
**Input Formats, analog:** Stereo 2-Channel  
**D-A/A-D Conversion:** Up to 24-bit 96kHz  
**Audio Formats, Decode:** Windows Media (WMA, WMA-PRO, WMA Lossless), MP3, WAV, M4A, AAC, AIFF, FLAC  
**Audio Formats, Encode:** WAV, WMA Lossless, WMA VBR High Quality, WMA VBR Medium Quality, WMA CBR 320, WMA CBR 256, AAC High Quality (M4A), AAC Medium Quality (M4A)  
**Performance (analog):** Frequency Response: 20Hz to 20kHz ±0.3dB typical; S/N Ratio: >100dB at 1kHz A-weighted; THD+N: <0.01% at 1kHz typical; Channel Separation: 100dB at 1kHz typical

## Photo

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**Image Formats:** JPEG (JPG, JPE), BMP, GIF

## Connectors (rear)

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**THEATER AUDIO OUTPUT FRONT L/R, SURROUND L/R, BACK L/R, CENTER, SUB:** (8) RCA female;  
Unbalanced line-level 7.1 surround sound audio output;  
Maximum Output Level: 2 Vrms;  
Output Impedance: 100 Ohms

**THEATER AUDIO OUTPUT, SPDIF:** (1) RCA female;  
S/PDIF coaxial/digital audio output;  
Output Impedance: 75 Ohms

**AUDIO OUT, L/R 1 – 2:** (4) RCA female comprising (2) unbalanced stereo line-level audio outputs from Zones 1 & 2;  
Maximum Output Level: 2 Vrms;  
Output Impedance: 100 Ohms

**AUDIO OUT, SPDIF 1 – 2:** (2) RCA female comprising (2) S/PDIF coaxial digital audio outputs from Zones 1 & 2;  
Output Impedance: 75 Ohms

**AUDIO IN, L/R:** (2) RCA female, not currently enabled

**AUDIO IN, SPDIF:** (1) RCA female, not currently enabled

**POWER RESET:** (1) 2-pin 3.5mm detachable terminal block;  
Contact closure sensing input for remote system shutdown and restart

**THEATER VIDEO OUTPUT, VGA:** (1) DB15HD female;  
VGA/RGBHV video output

**THEATER VIDEO OUTPUT, HDMI:** (1) 19-pin Type A HDMI female;  
HDMI digital video/audio output

**G:** 6-32 screw, chassis ground lug

**100-240V~2.8A 50/60Hz:** (1) IEC C14 male chassis plug;  
Mates with removable power cord (included)

**1394:** (1) 6-pin Type 1 IEEE 1394a port, female

**RS-232:** (1) DB9 male, not used

**USB:** (4) USB Type A female, USB 2.0 Host ports

**LAN:** (1) 8-wire RJ45, female; 10/100/1000BaseT Ethernet port

## Connectors (front) – ADMS-BR Only

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**MMC:** (1) MultiMediaCard compatible memory card slot

**1394:** (1) 4-pin Type 2 IEEE 1394a port, female

**USB:** (2) USB Type A female, USB 2.0 Host ports

## LCD Display – ADMS-BR Only

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Green LCD, 2 lines by 40 characters, adjustable LED backlight;  
Displays network and system settings, audio video test controls, errors notifications, disc/media notifications, current media playing per output, drive space, device connections

# ADMS Intermedia Delivery System™

## Controls & Indicators – ADMS Only

**Power (front):** (1) Pushbutton; starts, restarts, or shuts down the operating system

**Power (rear):** (1) Rocker switch, turns main power on/off

## Controls & Indicators – ADMS-BR Only

**Select Knob:** (1) Continuous turn rotary encoder, for navigating menu and adjusting values

**SELECT:** (1) Pushbutton with green LED, executes highlighted menu item or value

**MENU:** (1) Pushbutton, steps menu back one level

**DISPLAY:** (1) Pushbutton, advances through menus

**RESUME:** (1) Pushbutton, resumes last file playing in Theater Zone

**EJECT:** (1) Pushbutton, ejects disc from the optical disc drive

**Power (front):** (1) Pushbutton; starts, restarts, or shuts down the operating system

**Power (rear):** (1) Rocker switch, turns main power on/off

## Power Requirements

**Main Power:** 2.8 Amps @ 100-240 Volts AC, 50/60 Hz; Uninterruptible power supply recommended, Crestron CEN-UPS1250<sup>(4)</sup> or similar

## Environmental

**Temperature:** 41° to 104°F (5° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing)

**Heat Dissipation:** 802 BTU/Hr (ADMS), 853 BTU/Hr (ADMS-BR)

## Enclosure

Black metal with metal front panel (ADMS) or molded ABS/PC front panel (ADMS-BR), freestanding or 3U 19-inch rack-mountable (removable feet and rack ears included), rear and side ventilation should not be restricted

## Dimensions

**ADMS:** Height: 5.82 in (148 mm), 5.20 in (133 mm) without feet;  
Width: 17.28 in (439 mm), 19.00 in (483 mm) with ears;  
Depth: 17.41 in (443 mm)

**ADMS-BR:** Height: 5.82 in (148 mm), 5.20 in (133 mm) without feet;  
Width: 17.16 in (436 mm), 19.00 in (483 mm) with ears;  
Depth: 18.45 in (469 mm)

## Weight

**ADMS:** 19.5 lb (8.9 kg)

**ADMS-BR:** 20.0 lb (9.1 kg)

## MODELS & ACCESSORIES

### Available Models

**ADMS:** ADMS Intermedia Delivery System™ (faceless)

**ADMS-BR:** ADMS Intermedia Delivery System™ w/Blu-ray Disc® Drive

### Available Accessories

**KB-RFUSB-B:** Wireless Keyboard for ADMS, Black

**CEN-NAS-4TB:** 4TB Network Attached Storage

**CEN-UPS1250:** Uninterruptible Power Supply, 1250W, 120V

Notes:

1. Accessing Hulu Plus content requires an active Hulu Plus account. See [www.hulu.com](http://www.hulu.com) for details.
2. Accessing Netflix content requires an active Netflix Watch Instantly account. See [www.netflix.com](http://www.netflix.com) for details.
3. Requires a Crestron control system plus additional equipment and programming by an authorized Crestron dealer, sold separately.
4. Item(s) sold separately.
5. NAS is the recommended external file storage solution for the ADMS. USB should only be used for file transfer and backup.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

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