

harman / kardon[®]
Designed to Entertain.[™]

DMC 1000

DIGITAL MEDIA CENTER



SAFETY INFORMATION

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. The product's cabinet may be cleaned by gently wiping with a soft cotton or microfiber cloth. Do not use water or any liquid cleaners.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use the attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Wet Location Marking

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Service Instructions

CAUTION – These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions, unless you are qualified to do so.

Outdoor Use Marking

WARNING – To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Perchlorate Material – Special Handling May Apply

See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>.

This product includes a battery or coin cell battery that may contain perchlorate and may require special handling when recycled or disposed of in California.

CAUTION	
	RISK OF ELECTRIC SHOCK DO NOT OPEN
	
CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.	
	The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SAFETY INFORMATION

Important Safety Information

Verify Line Voltage Before Use

Your DMC 1000 has been designed for use with 110–240-volt AC current, and the plug is specifically designed for 120-volt applications. Connection to a line voltage other than that for which the plug is intended can create a safety and fire hazard and may damage the unit.

If you have any questions about the voltage requirements for your specific model, or about the line voltage in your area, contact your selling dealer before plugging the unit into a wall outlet.

Do Not Use Extension Cords

To avoid safety hazards, use only the power cord attached to your unit. We do not recommend that extension cords be used with this product. As with all electrical devices, do not run power cords under rugs or carpets or place heavy objects on them. Damaged power cords should be replaced immediately by an authorized service center with a cord meeting factory specifications.

Handle the AC Power Cord Gently

When disconnecting the power cord from an AC outlet, always pull the plug; never pull the cord. If you do not intend to use the unit for any considerable length of time, disconnect the plug from the AC outlet.

Do Not Open the Cabinet

There are no user-serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your guarantee. If water or any metal object such as a paper clip, wire or staple accidentally falls inside the unit, disconnect it from the AC power source immediately, and consult an authorized service center.

Installation Location

- To ensure proper operation and to avoid the potential for safety hazards, place the unit on a firm and level surface. When placing the unit on a shelf, be certain that the shelf and any mounting hardware can support the weight of the product.
- Make certain that proper space is provided both above and below the unit for ventilation. If this product will be installed in a cabinet or other enclosed area, make certain that there is sufficient air movement within the cabinet. Under some circumstances, a fan may be required. The unit should be placed on its own shelf, not directly on top of another component.
- Do not place the unit directly on a carpeted surface.
- Avoid installation in extremely hot or cold locations, or in an area that is exposed to direct sunlight or heating equipment.
- Avoid moist or humid locations.
- Do not obstruct the ventilation slots on the unit, or place objects directly over them.
- Due to the heat generated by operation of the DMC 1000 and other components in your system, there is the remote possibility that the rubber padding on the bottom of the unit's feet may leave marks on certain wood or veneer materials. Use caution when placing the unit on soft woods or other materials that may be damaged by heat or heavy objects. Some surface finishes may be particularly sensitive to absorbing such marks, due to a variety of factors beyond Harman Kardon's control, including the nature of the finish, cleaning materials used, and normal heat and vibration caused by the use of the product, or other factors. We recommend that caution be exercised in choosing an installation location for the component and in normal maintenance practices, as your warranty will not cover this type of damage to furniture.

Cleaning

When the unit gets dirty, wipe it with a clean, soft, dry cloth. If necessary, and only after unplugging the AC power cord, wipe it with a soft cloth dampened with mild soapy

water, then a fresh cloth with clean water. Wipe it dry immediately with a dry cloth. NEVER use benzene, aerosol cleaners, thinner, alcohol or any other volatile cleaning agent. Do not use abrasive cleaners, as they may damage the finish of metal parts. Avoid spraying insecticide near the unit.

Moving the Unit

Before moving the unit, be certain to disconnect any interconnection cords with other components, and make certain that you disconnect the unit from the AC outlet.

NOTE: To avoid damage to the DMC 1000 that may not be covered by the warranty, remove the disc from the unit before it is moved. Once the DMC 1000 is installed, a disc may be left in the unit when it is turned off, but the unit should NEVER be moved with a disc left in the disc tray.

Important Information for the User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. The limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio-frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that harmful interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept interference received, including interference that may cause undesired operation.

NOTE: Changes or modifications may cause this unit to fail to comply with Part 15 of the FCC Rules and may void the user's authority to operate the equipment.

CAUTION: The DMC 1000 uses a laser system. To prevent direct exposure to the laser beam, do not open the cabinet enclosure or defeat any of the safety mechanisms provided for your protection. DO NOT STARE INTO THE LASER BEAM. To ensure proper use of this product, please read this Owner's Manual carefully and retain it for future use. Should the unit require maintenance or repair, please contact your local Harman Kardon service center. Refer servicing to qualified personnel only.

Unpacking

The carton and shipping materials used to protect your new receiver during shipment were specially designed to cushion it from shock and vibration. We suggest that you save the carton and packing materials for use in shipping if you move, or should the unit ever need repair.

To minimize the size of the carton in storage, you may wish to flatten it. This is done by carefully slitting the tape seams on the bottom and collapsing the carton. Other cardboard inserts may be stored in the same manner. Packing materials that cannot be collapsed should be saved along with the carton in a plastic bag.

If you do not wish to save the packaging materials, please note that the carton and other sections of the shipping protection are recyclable. Please respect the environment and discard those materials at a local recycling center.

It is important that you remove the protective plastic film from the front-panel lens. Leaving the film in place will affect the performance of your remote control.

STAPLE INVOICE HERE

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WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

For Canadian model

This Class B digital apparatus complies with Canadian ICES-003.
For models having a power cord with a polarized plug:
CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Modèle pour les Canadien

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.
Sur les modèles dont la fiche est polarisée:
ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

INTRODUCTION

Please register your product on our Web site at www.harmankardon.com.

Note: You'll need the product's serial number. At the same time, you can choose to be notified about our new products and/or special promotions.

WWW.HARMANKARDON.COM

Thank you for choosing Harman Kardon!

For more than fifty years, Harman Kardon has been a leader not only in the control and amplification of sound and images with our receiver and amplifier products, but also with breakthrough source playback equipment, from innovative turntable/stereo receiver combinations and the first audio cassette decks with Dolby® Type B Noise Reduction, to the first dual-well CD recorder with 4x dubbing and today's state-of-the-art DVD players. The DMC 1000 Digital Media Center continues Harman Kardon's tradition of combining technology with ease of use, elegantly designed to deliver a truly unique product.

The DMC 1000 merges a high-end DVD player, including upscaling to 1080p with an HDMI™ output, with a media server capable of storing up to 60,000 songs on its 250Gb hard drive. Simultaneous playback of different tracks is possible in up to four zones, or you may link any or all of the zones to each other.

Thanks to Gracenote® MusicID,®* all content recorded from a CD to the DMC 1000's hard drive is identified by album name, artist and genre, with additional information to show the title of each track. Even better, for most popular albums, the DMC 1000 will display the cover art when connected to the Internet. The content is automatically organized by the identification fields and by the cover, and you may select it and program playlists to suit any mood or occasion. The graphical presentation of system content is available in both high-definition and standard-definition outputs, for crisp, easy-to-read displays on any video screen.

In addition to DVD and CD playback, the DMC 1000 offers audio and still-image playback from both solid-state media cards and USB drives. You can even record analog sources such as your old tapes, cassettes and even vinyl records (with an optional, external phono preamp) to store virtually any audio content for instant playback. And the DMC 1000 allows content to be transferred from the hard drive to the memory cards or a USB drive, or even a recordable CD. This flexibility lets you take your music with you in a wide range of portable players, or in your car.

Additional features of the DMC 1000 include iPod audio playback through Harman Kardon's optional The Bridge accessory, with charging and navigation available to any zone in your system. System control options include the unit's backlit remote, optional external IR sensor/receivers, RS-232-based control for popular home automation systems, custom-programmed home network control and even wireless control through a Windows Mobile®-based PDA when an optional wireless bridge is connected.

If you have any questions about this product, its installation or its operation, please contact your retailer or custom installer, or visit our Web site at www.harmankardon.com.

* Music recognition technology and related data are provided by Gracenote. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, visit www.gracenote.com.



DMC 1000 Digital Media Center



NOTE: This player is designed and manufactured for compatibility with Region Management Information that is encoded on most DVD discs. This player is designed only for playback of discs with Region Code 1, or for Region Code 0 discs, which do not contain Region Code information. If there is any other Region Code on a disc, it will not play in the DMC 1000.

Audio Inputs

- Analog Audio: 2-channel (RCA jacks)

Audio/Video Outputs

- Analog Audio: Zone 1 (main zone): 6-channel (RCA jacks)
Zones 2, 3 and 4: 2-channels per zone (RCA jacks)
- Digital Audio: coaxial and optical (S/P-DIF)
- Digital Audio/Video: HDMI
- Analog Video: composite, S-video and component

Memory Cards

- Card Slot 1: Secure Digital (SD), MultiMediaCard (MMC), xD-Picture Card™ and Memory Stick® (compatible with MagicGate®); miniSD, microSD and Memory Stick Duo™ cards with adapters (supplied by the card manufacturer)
- Card Slot 2: CompactFlash® Type I (CF) cards, or cards using a CompactFlash Type I-compatible adapter
- Cards with more than 8GB memory may not work correctly.

Data and Control Ports

- Front- and rear-panel USB jacks for flash drives and external USB hard drives (client only, FAT or FAT32 formats only)
- Proprietary connection for iPod charging, audio* playback and navigation through Harman Kardon's The Bridge (sold separately)
- RS-232 port for bidirectional system control
- RJ45 Ethernet jack for connection to broadband network (required for cover art)
- Remote control IR input and output

* Requires compatible iPod.

Optical Disc Player

- Plays and records 5-inch (12cm) discs; plays 3-inch (8cm) discs
- Parental control system with user-programmable password
- Aspect-ratio adjustment

Audio/Video/Still-Image Formats Supported

- Still-image formats supported: JPEG
- Video formats supported: DVD, DVD-R/RW, DVD+R/RW, VCD
- Audio formats supported: CD, CD-R/RW, MP3, WAV
- MP3 bit rates: 32kbps – 320kbps
- JPEG files: 5 megapixels, 5MB file size, up to 250 files per disc

General Playback Features

- Video upscaling to 480p, 720p and 1080p via HDMI output
- Video upscaling to 1080p and 720p via component video outputs (when not copy-protected)
- Fast Play: 2x, 4x, 8x, 16x, 32x
- Slow Play: 1/2x, 1/4x, 1/8x, 1/16x
- Zoom (JPEGs only): Off, 1x, 2x, 3x
- Random Play
- Repeat Play: DVD-Video: 1 chapter, 1 title; VCD: 1 track, all; MP3, JPEG: 1 track, 1 folder
- A-B Repeat Play
- Still-image rotation in 90-degree increments
- Thumbnail still-image menu
- User-selectable slideshow pace: slow, medium, fast

Recording Capabilities

- Automatically records audio CDs to Media Library (hard-disc drive)
- Recording sources: Media Library, disc player, memory cards, USB device, analog audio via rear-panel Auxiliary Analog Audio Inputs
- Recording destinations:
 - Media Library (from any source)
 - Data CD-R/RW disc, Memory Card installed in Card Slot 1 or 2 or USB device (only from playlist programmed in Media Library)
- Recording speeds: CDs: 16x, AUX: 1x only
- Recording quality: lossless (.wav), best (MP3: 320kb/sec), high (MP3: 256kb/sec), medium (MP3: 192kb/sec), basic (MP3: 128kb/sec)
- Recorded format: data files – original format; analog audio – .wav files; audio CDs – format and sampling rate determined by recording quality setting

Ease of Use

- Graphic user interface in either high-resolution or standard-definition video via HDMI or component video. Standard-definition (SD) video through composite or S-video connections
- Two-line dot-matrix front-panel display
- Color-coded connections
- Backlit remote control

Supplied Accessories

The following accessory items are supplied with the DMC 1000. If any of these items is missing, please contact Harman Kardon customer service at www.harmankardon.com.

- System remote control
- Two AA batteries
- HDMI cable
- AC power cord

MEDIA COMPATIBILITY

Disc Formats Supported by This Player

The DMC 1000 can play the following types of prerecorded discs:



The DMC 1000 will also play most recordable discs, but we cannot guarantee complete playback compatibility, due to the wide variation in recorders and blank discs.

Round 3" (8cm) or 5" (12cm) discs may be used. Do not use odd-shaped, noncircular discs.

DVD-Video Disc Compatibility:

- Single-sided or double-sided discs
- Single-layer or dual-layer discs
- Dolby® Digital, DTS®, MPEG or Linear PCM digital audio tracks
- MPEG-2 digital video
- Discs are generally divided into one or more titles, which may be further subdivided into chapters.

Audio CD Compatibility

- Linear PCM digital audio
- Audio CDs are divided into tracks

CD-R/RW Compatibility

- Linear PCM or MP3 (32kbps – 320kbps) digital audio
- May contain JPEG still images (up to 5 megapixels, file size up to 5MB, limit of approximately 250 files per disc).
- Linear PCM discs are generally divided into tracks like an audio CD. MP3 and JPEG discs (or discs that contain more than one of these formats) are divided into files, which may be organized into folders, depending on how the disc was created.

VCD Compatibility

- Linear PCM, MP1 (MPEG-1, Layer 1) or MP3 (MPEG-1, Layer 3) digital audio
- MPEG-1 digital video
- May contain JPEG still images (Video CD Version 2.0).
- Some discs may contain menus and chapters, while other discs simply contain tracks. Version 2.0 discs may offer interactive playback control (PBC).
- Some SVCD discs may play, depending on how they were recorded.
- CDs containing raw MPEG video files are not part of the VCD format, and cannot be played on the DMC 1000.

The DMC 1000 Will NOT Play the Following:

- DVD discs with a Region Code other than 1 or 0
- DVD-ROM data discs
- DVD-RAM discs
- DVD-Audio discs
- High-definition optical discs such as WMVHD, HD-DVD™ and Blu-ray Disc™ formats (the “SD-DVD” side of dual format HD-DVD/DVD discs may be played)
- SACD™ discs
- CD-I discs
- CD-G discs
- Kodak® Photo CD™ and Picture CD discs
- Discs intended for use in video game consoles
- Discs recorded in the “VR” mode or at any speed other than “SP”

NOTES:

- Due to differences in the authoring of DVDs, it is possible that some discs may include features that are not compatible with the DMC 1000, and not all discs include every capability of the DVD system. Example: although the DMC 1000 is compatible with multiangle discs, that feature is available only with specially encoded discs. Check the disc jacket to make certain that a specific feature or soundtrack option is available.
- Playback of CD-R/RW and DVD±R/RW discs created on a computer requires proper formatting and finalization of the disc.
- The DMC 1000 is compatible with most files encoded using MP3. However, variations in the encoder or codec used and the bit rate of the encoding may affect the DMC 1000's ability to play a specific file. As a result, we cannot guarantee complete compatibility with all encoders and versions of the codecs. For best results, we recommend that MP3 files be encoded at bit rates ranging between 32kbps and 320kbps.
- JPEG files should contain no more than 5 megapixels, and the file size should be no larger than 5MB.

MEDIA COMPATIBILITY

Memory Card Compatibility

The following types of memory cards may be used with the DMC 1000:



The DMC 1000 will play most recordable memory cards, but we cannot guarantee complete playback compatibility, due to the wide variation in software encoders, recorders and card technologies.

- Both Secure Digital (SD) and MMC (MultiMediaCard) memory cards may be used in Card Slot 1. The smaller miniSD and microSD cards may be used in Card Slot 1, but require an adapter (not included).
- Memory Stick cards may also be used in Card Slot 1. The full-size Memory Stick cards are compatible as is, but an adapter (not included) is required for the smaller Memory Stick Duo cards.
- xD-Picture Card may be used in Card Slot 1.
- CompactFlash Type I cards may be used in Card Slot 2. CompactFlash Type II cards and microdrives are not compatible with the DMC 1000.
- Do not attempt to install a card in a slot other than the one designated for its card type.
- Cards with memory capacity greater than 8 gigabytes are not recommended for use with the DMC 1000.
- SDHC (Secure Digital High Capacity) cards are not compatible with the DMC 1000.

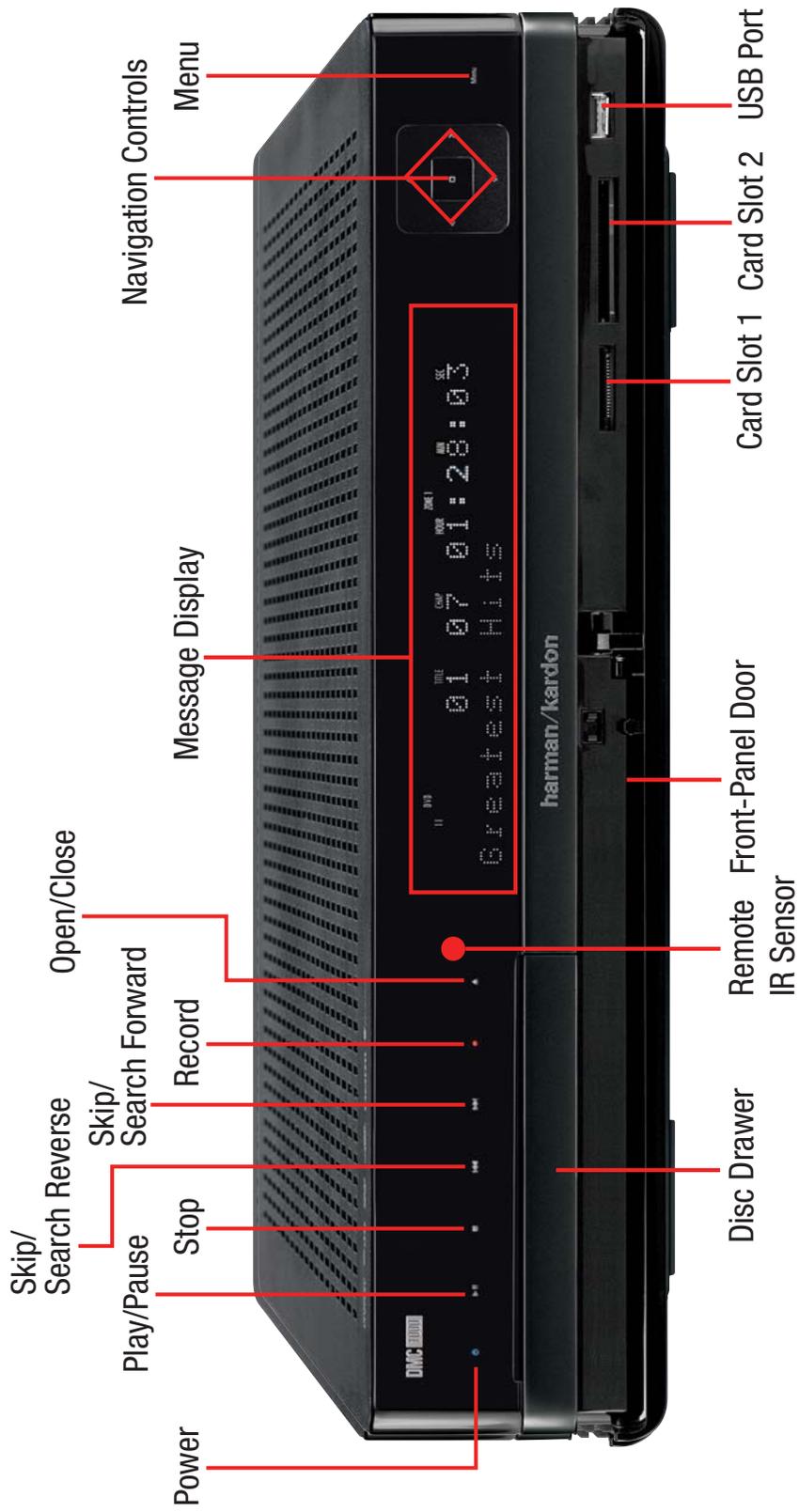
USB Device Compatibility

USB client devices, such as flash drives and most external or portable hard-disc drives that are formatted with the FAT or FAT32 file system, may be connected to the DMC 1000's front- or rear-panel USB ports. Due to the wide variation in hard-disc drive technologies and formats, we cannot guarantee compatibility with any particular device.

Many recent-model still cameras may also be connected directly to the DMC 1000 via USB. In general, cameras or other USB devices that are compatible with both Windows® and Macintosh OS computers may also be used with the DMC 1000.

Do not connect a personal computer directly to the DMC 1000. Due to their software design, the iPod, most other USB peripheral devices and accessories – such as card readers, keyboards and pointing devices – and software-specific digital media players are not compatible with the USB ports on the DMC 1000, even when placed in disc mode. To enjoy audio materials stored on your compatible iPod, dock it in The Bridge (optional, and available from your Harman Kardon dealer).

FRONT-PANEL CONTROLS



NOTE: To make it easier to follow the instructions throughout the manual that refer to this illustration, a copy of this page may be downloaded from the Product Support section at www.harmankardon.com.

FRONT-PANEL CONTROLS

IMPORTANT NOTE: The DMC 1000's front-panel controls use advanced touch-sensitive technology. To use the front panel, place a finger over any of the illuminated icons. A gentle tap is all that is necessary. Wait a few seconds for the DMC 1000 to process each command. To remove fingerprints, wipe the front panel with a dry microfiber cloth.

Power: When the DMC 1000 is connected to an AC power source and the rear-panel Master Power Switch is on, this control will indicate one of four power states:

- **Full-Off Mode (dim blue)** – The DMC 1000, including its hard-disc drive, is fully powered down.
- **Sleep (Standby) Mode (amber)** – The DMC 1000 will not respond to any commands other than to power on.
- **Server Mode (amber)** – The DMC 1000 may be controlled via the RS-232 Port or the Network Connection, but the on-screen menu system is off.
- **Full-Power Mode (bright blue)** – The DMC 1000 operates normally.

The description of each mode and the DMC 1000's response to the power controls is shown in Table A7 in the Appendix.

Play/Pause (▶||): Press to start or resume playback of content on the current media source. To pause playback, press the button again. In the Pause mode, access the DVD/VCD Frame-by-Frame Advance and Slow Search functions by pressing the forward or reverse Step or Skip Buttons on the remote.

Stop (■): Press to stop playback. When a video is playing, press it once for Resume mode, and twice to fully stop playback. Resume mode is not available during audio playback.

Skip/Search Reverse (◀◀): Press once to return to the beginning of the current chapter or track. Quickly press again to skip to previous chapters or tracks. Press and hold for fast search reverse within the current chapter or track at the speed indicated on screen.

Skip/Search Forward (▶▶): Each press advances to the next chapter or track. Press and hold for fast search forward within the current chapter or track at the speed indicated on screen.

Record (●): When content is playing, press this button to view the on-screen recording menu. Pressing this button does not begin the recording.

Open/Close: Press this button to open or close the disc drawer. Before pressing this button, make sure that no objects are blocking the drawer.

Remote IR Sensor: This sensor receives infrared commands from the remote control. Make sure that it is not blocked, although an optional IR sensor such as the Harman Kardon HE 1000 may be connected to serve as an external sensor when the unit is located in a different room, installed behind cabinet doors or when the sensor is otherwise blocked. For best results, always point your remote control at the DMC 1000's front panel.

Message Display: Various status messages appear in the two-line text display. When content is playing, the track queue information and running time appear in the upper line and identification data appears

in the lower line. A variety of other indicators will light at various times to display the current playback mode, video settings or other aspects of the DMC 1000's status.

Navigation Controls (◀/▶/▲/▼) and Enter Control (□): Use these controls to navigate the on-screen menus and displays. Press the Enter Control to select an item or activate a menu feature.

Menu Control: Press to activate the on-screen menu system, or to navigate back up one level in the menu system.

Disc Drawer: This drawer holds the discs that are played in the DMC 1000. Press the Open/Close Control to access it. Carefully seat all discs in the recess in the drawer tray. To avoid damaging the drawer accidentally, do not press down on it when open.

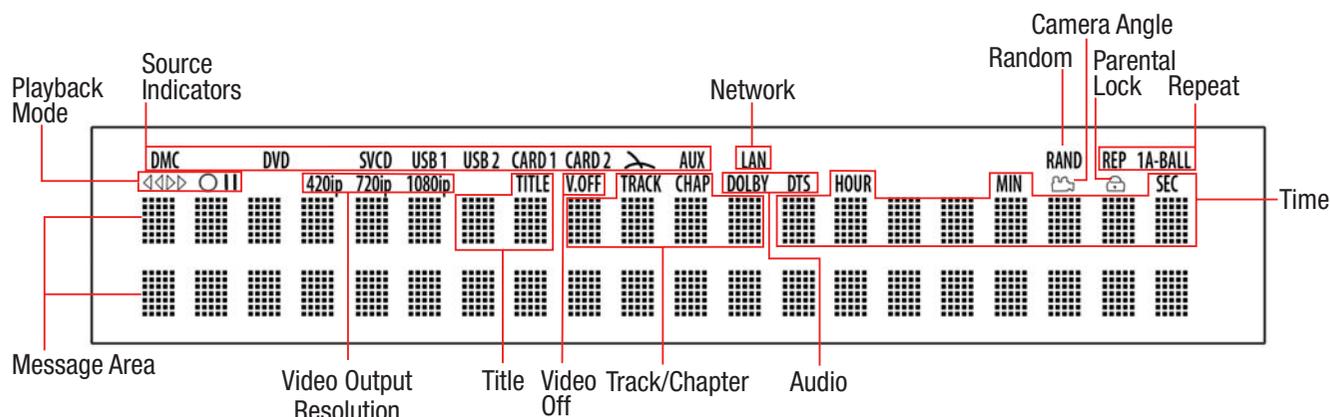
Front-Panel Door: Open this door to access the two Card Slots and the front-panel USB Port. To open it, gently press on the triangle in the center of the door until it unlatches; the door will drop down. To close the door, remove all media, then press the door closed at the same center location until you hear the latch click. To avoid damaging the door, do not open or close it by grabbing the edges.

Card Slot 1: This Card Slot accommodates SD, MMC, Memory Stick or xD-Picture Card memory cards. To insert a card, push it gently into the slot with the label side up until it clicks. To remove a card, gently press in until it unlatches and then pull it out. This slot also accommodates miniSD, microSD and Memory Stick Duo cards when used with an adapter, which is generally supplied with the card.

Card Slot 2: This slot accommodates CompactFlash Type I memory cards. To insert a card, gently push it into the slot label side up until it is firmly seated. To remove a card, pull it straight out.

USB Port: Connect a USB storage device, such as a flash drive or external hard-disc drive, to store additional content. DO NOT connect computers, keyboards, pointing devices or other peripheral products to the DMC 1000. Do not connect an iPod here; use The Bridge instead.

MESSAGE DISPLAY



NOTE: To make it easier to follow the instructions that refer to the controls and connectors in this illustration, a larger copy may be downloaded from the Product Support section for this product at www.harmanardon.com.

Playback Mode: These indicators light to show the current playback mode:

- ▶ Lights when content is playing in the Normal mode.
- ▶▶ Lights in the Fast Search Forward and Slow Play modes, with the speed shown briefly in an on-screen banner.
- || Lights when the disc is paused.
- ◀◀ Lights when the disc is in the Fast Search Reverse mode, with the speed shown briefly in an on-screen banner.

NOTE: Slow Play is not available for MP3 files.

Sources: One of these indicators will light to indicate the current media source (DMC [the Media Library], DVD, VCD, USB 1 [front], USB 2 [back], Card 1 [SD, MMC, Memory Stick, xD-Picture Card], Card 2 [CF], The Bridge, AUX). During a recording, the source indicator will light.

Video Output Resolution: Either the 480i or 480p indicator will light to indicate whether the Component Video Outputs are in progressive scan mode. When the Composite or S-Video Outputs are in use, this indicator will always indicate the default 480i (interlaced scan) setting, even if you attempt to change the Output Resolution setting in the Video Setup menu to a higher video resolution.

When the HDMI Output is in use, its video resolution will be indicated.

NOTE: The 480i resolution is not available via the HDMI Output. If the HDMI Output is connected simultaneously with the Composite or S-Video Output, this indicator will reflect the HDMI Output's resolution, and the signal at the Composite and S-Video Outputs will remain at 480i.

Network: This indicator lights when the RJ45 jack is connected to a live network.

MESSAGE DISPLAY

Audio Format: When a Dolby® Digital or DTS® digital audio signal is detected, one of these indicators will light. MP3 bitstreams are identified in the on-screen display only.

Camera Angle: This indicator blinks when alternative viewing angles are available.

Random: This indicator lights when the unit is in the Random Play mode.

Parental Lock: This indicator lights in red when the parental-lock system is engaged, to prevent changing the rating level without a code.

Repeat: These indicators light when any of the Repeat functions are in use. Depending on the Repeat mode selected, the appropriate Title, Chapter or Track indicator will flash.

Time: These positions show the running time of content that is playing.

Track/Chapter: When a DVD disc is playing, these two positions show the current chapter. When a CD is playing, they will show the current track number.

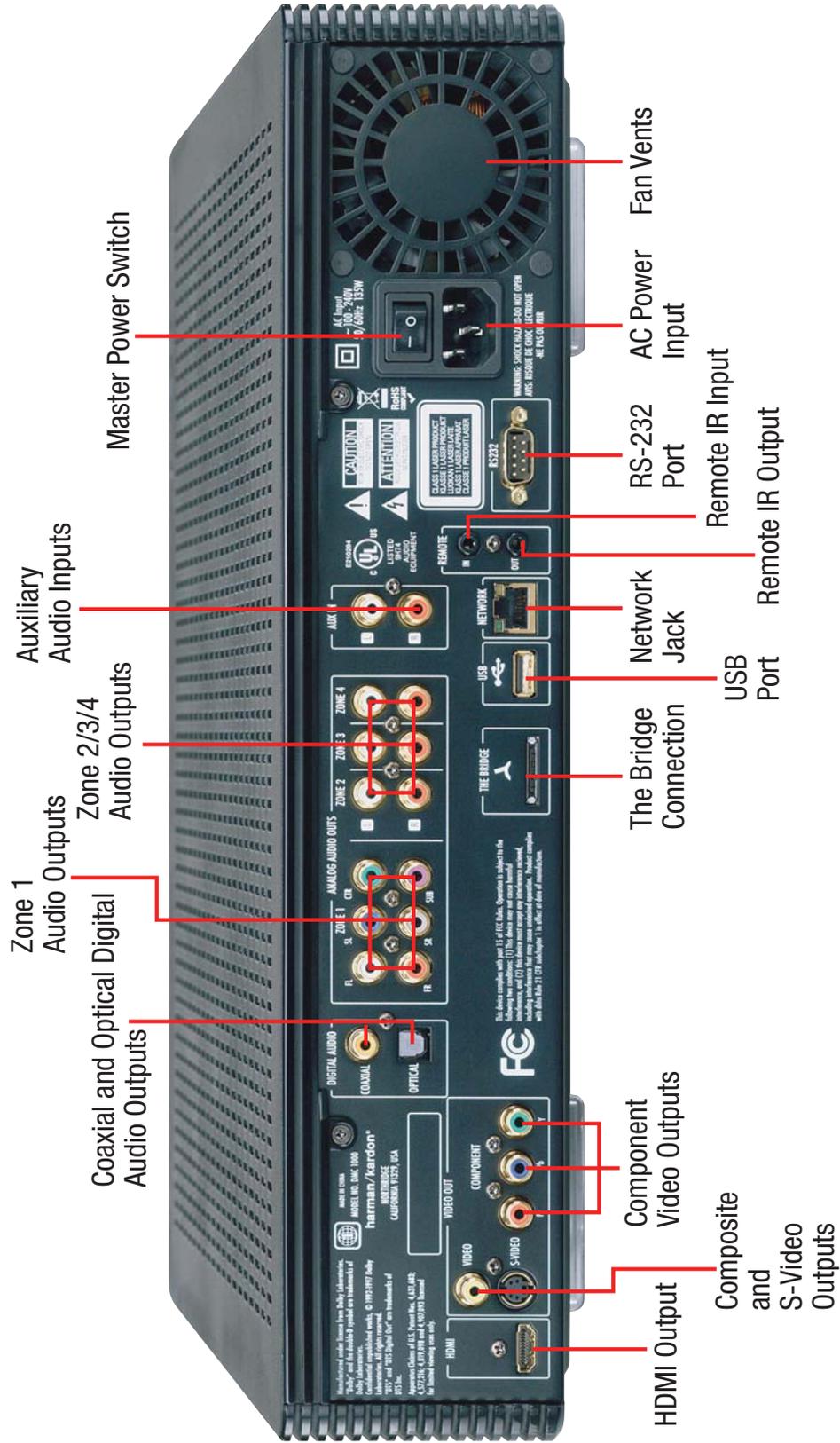
Video Off: This indicator lights in red when the unit's analog video outputs have been turned off by pressing the Video Off Button on the remote control.

NOTE: The Video Off command will not affect the HDMI Output because it may be in use for audio. Avoid leaving the SETUP MENU on screen for longer than a minute or two when using the HDMI Output, as the screen saver will not operate on the SETUP MENUS and there is a danger of "burning in" the image on plasma or CRT displays.

Title: These two positions show the current title number when a DVD disc is playing.

Message Area: Various messages appear in this two-line area. During media playback, the track count and time are displayed on the upper line, while identifying information scrolls on the lower line, depending on the media type.

REAR-PANEL CONNECTIONS



NOTE: To make it easier to follow the instructions throughout the manual that refer to this illustration, a copy of this page may be downloaded from the Product Support section at www.harmankardon.com.

REAR-PANEL CONNECTIONS

HDMI Output: Connect this output to an HDMI input on an HDMI-compatible A/V receiver or video display device. If your A/V receiver or surround processor is capable of decoding audio (typically, these are HDMI “repeater” products with HDMI Version 1.1 or higher), no further audio connection is needed for the main room (Zone 1).

NOTE: If your A/V receiver or video display uses DVI connections, use an optional HDMI-to-DVI adapter or cable, and make a separate digital or analog audio connection. If your DVI-equipped display is not HDCP-compliant, the digital video connection will not work, and you must use an analog video connection.

Composite and S-Video Outputs: If your video display does not have HDMI or component video inputs, connect one of these two video outputs (but not both) to your A/V receiver/processor or directly to the display. An S-video connection, if available, is preferred. You may connect both the HDMI Output and the Composite Video Output to the receiver if it distributes composite video through a multiroom system.

Component Video Outputs: If your A/V receiver, surround processor or video display is not equipped for HDMI or DVI, connect these jacks to the corresponding inputs on the receiver or TV labeled “Y/Pr/Pb” or “Y/Cr/Cb.” If your video display has component input jacks marked “High Definition,” use those jacks. Do not connect the Component Video Output jacks to standard composite video inputs on any device.

Coaxial and Optical Digital Audio Outputs: If your A/V receiver or surround processor is not capable of processing the audio from an HDMI stream, connect either of these digital audio outputs (but not both) to the corresponding input on the receiver/processor. Even though the Coaxial Digital Output uses the same RCA-type connector as standard analog audio connections, DO NOT connect it to a conventional analog input jack.

Zone 1 Analog Audio Outputs: If you are not using either HDMI or a separate optical or coaxial digital audio connection for the Zone 1 (Main Room) audio, connect these jacks to the matching inputs on your A/V receiver or surround processor. Connect the left- and right-channel jacks to the receiver to monitor an analog source connected to the Auxiliary Inputs during recording.

Zone 2/3/4 Analog Audio Outputs: When the DMC 1000 is being used for multizone operation, connect these jacks to the separate Zone inputs on your multiroom controller or hub, or the amplifiers feeding the multizone system.

The Bridge Connection: To use an iPod* as a source for the DMC 1000, enabling you to select and listen to audio content and charge the iPod, connect an optional Harman Kardon The Bridge here.

*For iPod models with a dock connector.

USB Port: This USB port is primarily intended to connect an optional, external USB hard drive to back up the DMC 1000's Media Library, although it may be used for content playback. DO NOT connect a computer or other host device directly to the DMC 1000.

Auxiliary Inputs: Connect the “Tape Outputs” of an A/V or stereo receiver or a surround processor, or the line-level outputs of any audio product, such as a phono preamp or tape/cassette deck, to transfer content to the DMC 1000.

Network Jack: Connect this standard RJ45 jack to a broadband network (Ethernet) connection so that you may take full advantage of Gracenote MusicID, including obtaining cover art for stored albums, updating both the database of album information and the system software, and connecting the DMC 1000 to a home network. When the network connection is “live,” the lights on either side of the jack will flash to indicate network activity.

NOTE: When the DMC 1000 is used with an IP-based or wireless control device, connect a router/access point here, making certain that one connection runs from the router to a broadband Internet connection. When the DMC 1000 is not connected to the Internet, Gracenote MusicID retrieves all of the tag information other than the cover art from a database stored on the DMC 1000's hard-disc drive.

Remote Infrared (IR) Input and Output: When the front-panel Remote IR sensor is blocked, connect the IR Output of your receiver/processor or an optional IR receiver to the Remote IR Input jack. The Remote IR Output may be connected to the Remote IR Input of a compatible source device (or other product) for remote control through the DMC 1000. When several devices are used, connect them in “daisy chain” fashion.

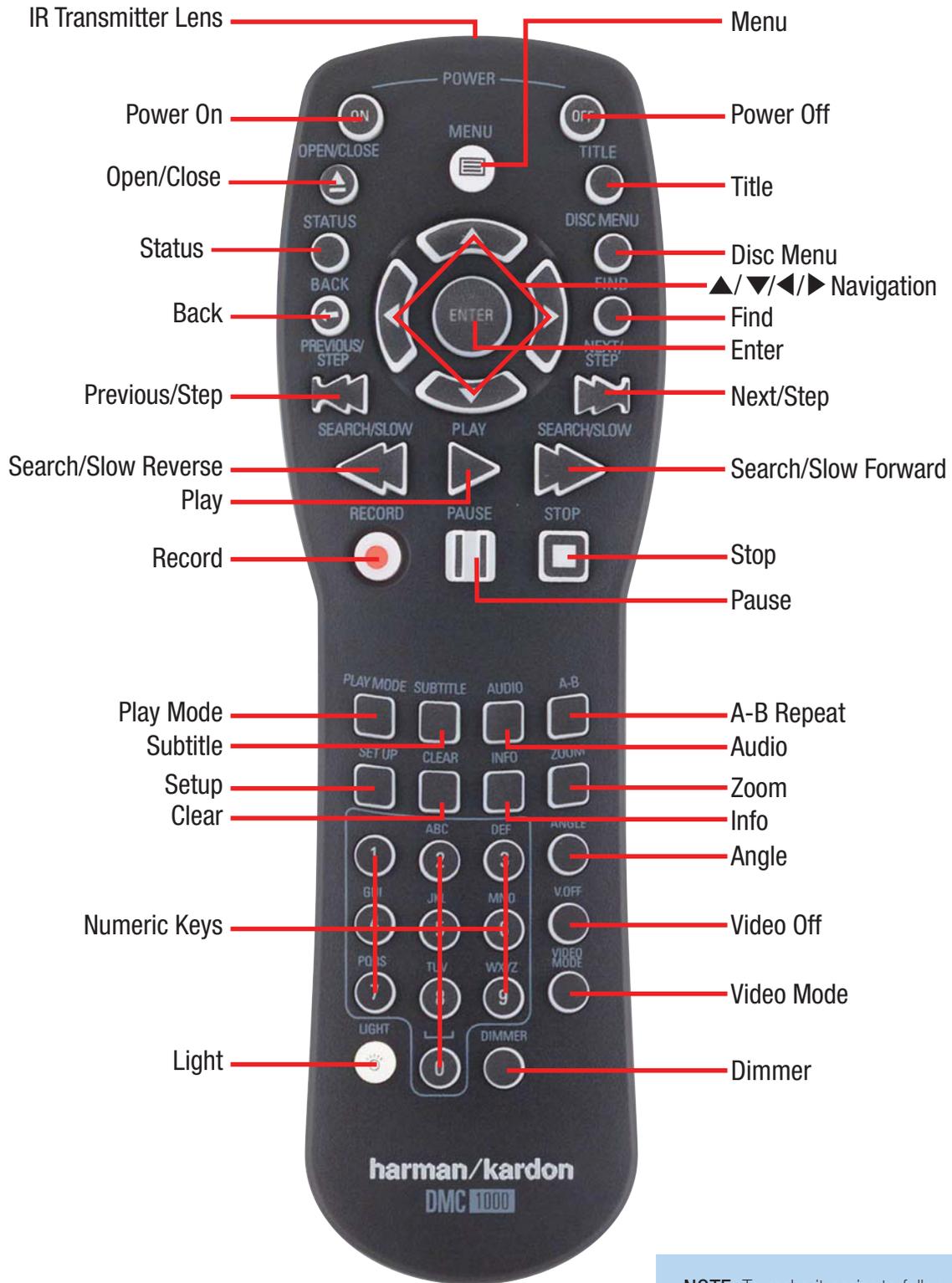
RS-232 Port: Connect the DMC 1000 to compatible system control and automation products, using a standard RS-232 cable. As programming a control and automation system is a complex task, requiring specific information and training, we recommend that you consult a trained installer.

Master Power Switch: Push this switch to the line position (I) to apply power to the DMC 1000, placing it in the “Full-Off” power mode described in Table 1. When the unit will not be used for an extended period of time, or whenever it is necessary to remove the unit from the AC power lines, push the switch to the circle position (O) to turn the unit off.

AC Power Input: Connect the AC power cord supplied with the DMC 1000 to this socket first, and then to an unswitched AC outlet. Should the cord become damaged, contact your authorized Harman Kardon dealer for a replacement.

Fan Vent: This area contains vents used by the DMC 1000's fans to cool the system. Maintain a clearance of at least three inches to the nearest surface, to avoid overheating the unit.

REMOTE CONTROL FUNCTIONS



NOTE: To make it easier to follow the instructions throughout the manual that refer to this illustration, a copy of this page may be downloaded from the Product Support section at www.harmankardon.com.

REMOTE CONTROL FUNCTIONS

IR Transmitter Lens: When buttons are pressed on the remote, infrared codes are emitted through this lens. Make sure it is pointing toward the DMC 1000. An icon will appear in the lower right corner of the front-panel display to acknowledge that a command has been received.

Power On: Press to turn on the DMC 1000 when it is in the Full-Off, Sleep or Server power mode. See Table A7 in the Appendix for more information on the four power modes.

Power Off: Press to turn off the DMC 1000, placing it in the Full-Off, Sleep or Server mode, depending on the current power mode and the duration of the button press. See Table A7 in the Appendix for more information.

Open/Close: Press to open or close the disc drawer.

Menu: Press to display the main menu for media playback and control.

Title: Press to show the title list when a DVD is playing. Some DVD-Video discs may display their disc menu when this button is pressed.

Status: Press during DVD playback to select a track or chapter, or to change the time display mode. The progress bar on the top line of the pop-up box shows the progress of the disc's playback in relation to its total time.

Disc Menu: Press to view a DVD's menu.

Back: Press to return to the previous menu or menu selection level.

Find: When browsing content from the Media Library, press to search for any audio track stored on the system's hard-disc drive. When the Find Track box opens, use the Numeric Keys to enter the name of the desired track (see Numeric Keys description).

When a DVD is playing, press the Find Button to jump to a desired chapter, title or time on the disc. Select the desired mode in the Find menu, and use the Numeric Keys to specify the desired place on the disc, then press Enter.

Navigation Buttons (◀/▶/▲/▼): These buttons are used to navigate the on-screen menus to highlight a desired item. Press the Enter Button to select the item. When the Zoom function is used with still images, use these buttons to explore the enlarged image. While viewing a still image, press the ▶ Button to rotate the image 90° clockwise, or the ◀ Button to rotate it 90° counterclockwise.

Enter Button: Press this button to enter a menu selection or activate a feature.

Previous/Step: When audio content is playing from a CD or the Media Library, press this button once to return to the start of the current selection. Press it again to step through previous selections or tracks.

When a DVD is playing, press to return to the beginning of the current chapter. Press the button again to step back through previous chapters.

Next/Step: When audio content is playing from a CD or the Media Library, each press advances to the next track. When a DVD is playing, each press advances to the next chapter.

Play: Press to begin playback.

Search/Slow Reverse: Press this button to scan backward through the current program. Each press cycles through the available reverse play

speeds. When a DVD is paused, press this button for slow-play reverse, each press cycling through the available speeds.

Search/Slow Forward: Press this button to scan forward through the current program. Each press cycles through the available fast-forward play speeds. When a DVD is paused, press this button for slow-motion play, each press cycling through the available speeds.

Record: Press this button to open a menu that allows you to record content from one media source to another.

NOTES:

- Audio CDs are automatically recorded to the Media Library when they are inserted.
- Audio sources connected to the Auxiliary Analog Audio Inputs may only be recorded to the Media Library. You may later transfer that content from a playlist to a memory card, a recordable CD or a USB drive.
- To copy recordings from the Media Library to a memory card, a USB drive or a CD-R/RW disc, first create a playlist of the desired content. If the content was originally imported to the Media Library from a memory card or USB device, the DMC 1000 automatically created a playlist at that time.
- When using the pull-down menus to select a recording source ("From") and a destination ("To") only those sources with available content will appear. The Auxiliary Analog Audio Inputs will always appear, because the DMC 1000 is not capable of detecting the presence of an audio signal.

Pause: Press to momentarily pause audio or video playback. Press again to resume. While paused, press the Previous or Next Step Buttons for frame-by-frame advance, or press the Forward or Reverse Search Buttons for slow-motion play.

Stop: When audio content is playing, press to stop playback. When a DVD is playing, press once to place the unit in the Resume mode, where pressing the Play button will resume playback from the place where it stopped. Press the Stop Button twice when a DVD is playing to bring the unit to a "full stop."

Subtitle: Press to select from the available subtitle language options on a DVD.

Play Mode: Press this button while content is playing, to program repeat or random play functions.

Audio: Press to select from the available audio format and/or language options on a DVD.

A-B Repeat: Press to select a passage for repeat play. The first press determines the beginning of the passage, the second press defines the end point and the third press cancels A-B Repeat play.

Clear: Press to clear menus from the on-screen display, or to cancel alphanumeric entries.

Setup: Press to configure system options.

Info: Press to display a DVD's contents and playback status. This feature is also available when viewing JPEG still-image files.

REMOTE CONTROL FUNCTIONS

Zoom: When viewing still images, press this button to toggle through the available zoom magnifications for a close-up view of the picture. After the zoom indication clears from the screen, use the Navigation Buttons to explore the enlarged image.

Numeric Keys: Press these buttons to enter numeric data. Pressing any numeric button when a DVD is playing will display the “Find” menu.

While managing the Media Library, these buttons may also be used to enter letters and punctuation when naming playlists or content. A character-entry dialog box will appear to guide you, as shown in Figure 35 on page 28. You may use the ◀/▶/▲/▼ Navigation Buttons to highlight the desired character key and press the Enter Button repeatedly until the desired character is displayed in the text bar at the top of the character-entry dialog box. You may find it easier to press the corresponding Numeric Key to directly select characters. Each press of a Numeric Key cycles through the upper- and lowercase letters or symbols shown on the remote and on screen.

Use the alphabetic keys to jump to desired areas of the Media Library content. Example: While displaying the Media Library organized by artist, press any letter key to jump to the first artist whose name begins with that letter.

Angle: When a DVD is playing and multiple-angle content is available (as indicated either on the front-panel display or on screen), press this button to toggle through the available views.

V/Off: Press to turn off the analog video outputs. This feature is strongly recommended when a plasma or CRT video display is in use to prevent “burn-in” of still images, such as menus that may remain on screen for an extended time period. Press the button a second time to reactivate the video display. The Video Off command will affect the HDMI Output by muting both audio and video.

Video Mode: Press to cycle through the available video output settings. If you inadvertently change the video setting in the on-screen menu system and the picture is lost or scrambled, press this button to return to a setting compatible with your video display.

Light: Press to activate the remote's backlighting system.

Dimmer: Press to dim the front-panel indicators to half-brightness, to turn them off, or to return them to full-brightness. When the indicators are fully dimmed, the Power Indicator will remain lit at half-brightness to remind you that the unit is on. Pressing any button on the remote when the unit is dimmed will return the front panel to full-brightness.

IMPORTANT NOTE: All components, including the DMC 1000, should be turned off and unplugged from AC power before beginning installation. Do not plug any components back in until after all connections are completed.

Step One – Placement

Due to the heat generated by other system components, place the DMC 1000 on its own shelf rather than stacking it directly on another component. We do not recommend stacking other components on top of the DMC 1000.

The DMC 1000 may be placed in a rack. See the Technical Specifications for dimensions.

Step Two – Connect the DMC 1000 to an A/V Receiver or Processor (Preferred)

If the receiver is HDMI-capable and HDCP-compliant, connect the HDMI Output to the receiver's HDMI Input to carry both audio and video. See Figure 1.



Figure 1 – HDMI Output

If the receiver has only a DVI input, use an HDMI-to-DVI adapter, and make a separate audio connection.

If the receiver does not have an HDMI or DVI input, select one video connection, in order of preference: component video, S-video or composite video. See Figure 2.

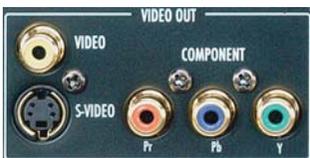


Figure 2 – Component, S- and Composite Video Outputs

For non-HDMI products, a separate audio connection is also required. If available, connect either the Optical or Coaxial Digital Audio Output to the corresponding input on the receiver. See Figure 3.



Figure 3 – Coaxial and Optical Digital Audio Outputs

The DMC 1000 is capable of outputting up to four separate analog audio streams for use in multizone systems. Zone 1 is used for the main listening room, and includes six channels. Connect the Zone 1 Analog Audio Outputs to a receiver that does not have an available digital audio input. If digital audio connections have been made to the receiver, make an additional connection from the FL and FR jacks to the receiver to monitor an analog source connected to the Auxiliary Inputs during recording. See Figure 4.



Figure 4 – Analog Audio Outputs

Skip to Step Four.

Step Three – Connect the DMC 1000 Directly to a Television (Optional)

If the television is HDMI-capable and HDCP-compliant, connect the HDMI Output to the TV's HDMI Input to carry both audio and video. See Figure 1.

If the TV has only a DVI input, use an HDMI-to-DVI adapter, and make a separate audio connection. The TV must be HDCP-compliant.

If the television does not have an HDMI or DVI input, select one video connection, in order of preference: component video, S-video or composite video. See Figure 2.

For non-HDMI TVs, a separate audio connection is also required. Although some TVs may be equipped with an optical or coaxial digital audio connection, most likely you will use a 2-channel analog connection. Connect the Zone 1 FL and FR audio output jacks shown in Figure 4 to the corresponding inputs on the TV.

Step Four – Connect Media Sources

- **Auxiliary Analog Audio Inputs (Figure 5):** Connect the line-level or "Tape" outputs of an analog device to these inputs. Do not connect a turntable without a phono preamp. Contact the Harman Kardon Parts Department to purchase one.



Figure 5 – Auxiliary Analog Audio Inputs

- **The Bridge (Figure 6):** Connect Harman Kardon's The Bridge (sold separately) here to enjoy content stored on a compatible iPod (not included).



Figure 6 – The Bridge Input

- **USB Devices (Figures 7 and 8):** Connect a compatible USB client device to either the front- or rear-panel USB Port. The front-panel port is located behind the dropdown door.



Figure 7 – Front-Panel USB Port



Figure 8 – Rear-Panel USB Port

INSTALLATION

Step Five – Connect the DMC 1000 to a Multizone System (Optional)

The DMC 1000 may be used with up to four zones simultaneously, with any or all zones linked to each other. Zones 2, 3 and 4 are used to distribute 2-channel audio to other locations. Zone 1 is the main listening area. The system may be controlled remotely using the Remote IR Input, the RS-232 Port or a network connection.

Connect the Analog Audio Outputs for each zone in the system to a receiver, processor, multizone controller or amplifier. See Figure 4 on page 19.

Connect the RS-232 Port to a compatible control device using a standard null modem cable or adapter. See Figure 9.



Figure 9 – RS-232 Port

Step Six – Connect the Remote IR Input and Output

Connect the DMC 1000's Remote IR Input to the compatible IR output of another product, or to an IR receiver or controller, such as the optional Harman Kardon HE 1000. When daisy-chaining devices to allow for remote control up and down the chain, connect the Remote IR Output to the next product's IR input. See Figure 10. The DMC 1000 is compatible with "stripped carrier" IR signals.



Figure 10 – Remote IR Input and Output

Step Seven – Network Connection

Connect the Network Jack to a router or Ethernet-compatible controller. See Figure 11. The network connection is used by Gracenote MusicID to obtain cover art and database updates via the Internet. When the Network connection is not used, Gracenote MusicID obtains the tags from a database stored internally on the DMC 1000's hard-disc drive. To use the DMC 1000 as a server on a home network, use the Setup menu to look up the settings automatically generated when the DMC 1000 is booted, and program your home network devices accordingly.



Figure 11 – Network Jack

Step Eight – Plug In AC Power

To avoid possible damage from a transient power surge at plug-in, switch the Master Power Switch to the circle position (○). Plug the female end of the AC Power cord into the receptacle (see Figure 12), and the male

end into an unswitched AC outlet. Due to the DMC 1000's power requirements, do not plug it into an accessory outlet on another component.



Figure 12 – Master Power Switch and AC Power Input

Step Nine – Insert Batteries in Remote

The DMC 1000 remote control uses two AA batteries (included).

To remove the battery cover located on the back of the remote, gently lift the tab in the direction of the arrow until the latch releases, and lift the battery cover up. To replace the cover, carefully insert the two small tabs at the top of the cover into the recesses at the top of the battery compartment, and lower the cover, gently pressing the latch at the bottom until it snaps shut.

Insert the batteries as shown in Figure 13, making sure to observe the correct polarity.



Figure 13 – Remote Battery Compartment

When using the remote, remember to point the lens toward the front panel of the DMC 1000. The IR receiver is located immediately to the left of the Message Display. Make sure no objects, such as furniture, are blocking the remote's path. Bright lights, fluorescent lights and plasma video displays may interfere with the remote's functioning. The remote has a range of about 20 feet, depending on the lighting conditions. It may be used at an angle of up to 30 degrees to either side of the DMC 1000.

If the remote seems to operate intermittently, make sure the batteries have been inserted correctly, or replace both batteries with fresh ones.

Step One – Turn On the DMC 1000

The DMC 1000 has four power states, each designed to minimize unnecessary power consumption. See page 25.

The description of each mode and the DMC 1000's response to the power controls is shown in Table A7 in the Appendix.

IMPORTANT NOTE: When the HDMI Output is used, turn on the system components in reverse order, starting with the video display, then any receiver or processor, and finally turn on the DMC 1000.

The first time the system is used, turn it on as follows:

Switch the Master Power Switch to the line position (I), placing the DMC 1000 in Full-Off power mode. See Figure 14.



Figure 14 – Master Power Switch

The “Start DMC 1000” message will appear on the front panel, and the “Starting . . .” message will appear on screen. Allow the system a few minutes to fully start up.

The first time the DMC 1000 is turned on, the End User License Agreement (EULA) will appear. See Figure 15. The unit will not respond to any other commands until you have scrolled through the entire agreement, and accepted its terms. A copy of the complete EULA appears in the back of this manual, starting on page 41.

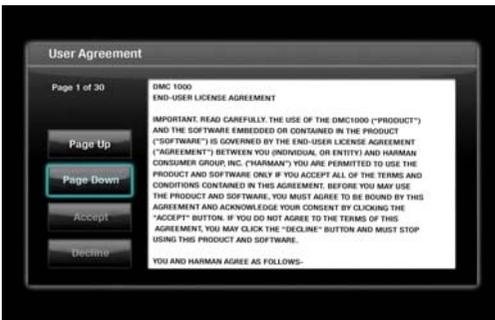


Figure 15 – End User Agreement

After you have accepted the EULA, the Main Menu will be displayed. See Figure 16.



Figure 16 – Main Menu

The Main Menu is the usual starting point for each listening or viewing session.

Step Two – Display the Setup Menu

The first time the system is used, the Setup Menu should be configured. After Initial Setup is completed, unless the user's requirements change, it is usually not necessary to revisit the Setup Menu. Press the Setup Button (see Figure 17) to display the Setup Menu (see Figure 18).



Figure 17 – Setup Button



Figure 18 – Media Library Setup Menu

The Setup Menu, as with all menus on the DMC 1000, is navigated using the ◀/▶/▲/▼ Navigation Buttons. Press the Enter Button to select an item highlighted on screen.

There are six Setup Menus: Media Library, DVD Player, Audio, Video, General and Advanced.

Step Three – Media Library Setup

The Media Library Setup Menu determines what action the DMC 1000 takes when an audio disc is loaded. Any time an audio CD is loaded, it is automatically copied at high speed to the Media Library. The DMC 1000 does not play audio CDs directly from the disc; playback is from the Media Library. See Figure 18.

Audio Disc Insert Preferences: Select Record Only to copy the disc to the Media Library without playing it, or Play and Record to begin playback from the Media Library after recording commences.

Audio Encoding Quality: Select the format to be used for recording audio CDs to the Media Library.

- Basic (MP3: 128kb/sec)
- Medium (MP3: 192kb/sec)
- High (MP3: 256kb/sec)
- Best (MP3: 320kb/sec)
- Lossless (.wav)

INITIAL SETUP

Step Four – DVD Player Setup



Figure 19 – DVD Player Setup Menu

The DVD Player Setup menu (shown in Figure 19) contains settings that affect DVD playback. The other media sources are not affected by these settings.

Preferred Subtitle Language: When available on the disc, the DMC 1000 will automatically select this subtitle language. Choose from English, French, German, Spanish, Italian, Other and Off. When Other is selected, a dialog box appears, prompting for a numeric code. Look up the code for the desired language in Table A8 in the appendix. When Off is selected, no subtitles will be displayed unless selected during playback using the Subtitle Button on the remote.

NOTE: Due to variations in how DVD discs are authored, we recommend selecting subtitles using the disc's own menus. The languages available are usually listed on the disc's jacket.

Preferred Audio Language: When available on the disc, the DMC 1000 will automatically select this language for audio playback. Choose from English, French, German, Spanish, Italian, Other and Off. When Other is selected, a dialog box appears, prompting for a numeric code. Look up the code for the desired language in Table A8 in the appendix. When Off is selected, the disc's default language will be used. The user may select another language during playback by pressing the Audio Button on the remote. The Audio command may offer a choice of surround sound formats or director's/cast's commentary.

NOTE: As with subtitles, we recommend selecting the audio track using the disc's own menu system.

Parental Control: This setting allows the user to restrict viewing of certain materials by requiring a password to be entered before DVDs encoded with a higher rating will play. The restrictions are based on a rating system that roughly corresponds to the Motion Picture Association of America (MPAA) voluntary ratings system.

Select this setting, and if no password was set previously, a dialog box appears. Set a new password by entering a four-digit number, using the Numeric Keys in the Password and Confirm Password boxes. If a password has been set, you will be prompted to enter it before you may make any changes.

If you correctly enter the password, you may navigate to the Rating Level Limit and select a new level:

- **Off:** Any DVD may be viewed without entering the password.
- **1–G:** Corresponds to the MPAA's "G" (General Audiences) rating, and is considered suitable for all viewers.
- **2:** Intermediate level between the "G" and "PG" ratings.

- **3–PG:** Corresponds to the MPAA's "PG" (Parental Guidance) rating.
- **4–PG-13:** Corresponds to the MPAA's "PG-13" (Parental Guidance and 13 years old) rating.
- **5:** Intermediate level between the "PG-13" and "R" ratings.
- **6–R:** Corresponds to the MPAA's "R" (Restricted) rating.
- **7–NC-17:** Corresponds to the MPAA's "NC-17" (17 years and older) rating.
- **8–Adult:** All DVDs, including adult materials, can be played.

When you have finished creating a new password and/or selecting a new Rating Level Limit, navigate to the Save box and press the Enter Button. Select Cancel if you don't want to make any changes.

Video Presentation Mode: Select Original to display videos and pictures in their native aspect ratio, or Full when the DMC 1000 is connected to a 4:3 aspect ratio display.

When Full is selected, 16:9 materials will appear on 4:3 displays in "letterbox" format, with black bars at the top and bottom of the screen. On 16:9 displays, 16:9 materials will fill the screen, but 4:3 materials will appear with black or gray bars on the left and right sides of the screen.

NOTE: The DMC 1000's own menu screens are always output in widescreen (16:9) mode at a maximum resolution of 720p, depending on the display's capabilities. When viewed on a 4:3 display, the menu screens will appear in letterbox format.

Dynamic Range Compression: When playing specially encoded Dolby Digital DVDs, turn on Dynamic Range Compression to reduce the levels of louder passages while maintaining the intelligibility of dialog and softer passages. This feature is useful to avoid disturbing others while watching action-packed DVDs. This is similar to the "Night Mode" function on many DVD players and A/V receivers.

DVD Bass Management: If all six of the Zone 1 Analog Audio Outputs are connected to a receiver or processor that does not perform bass management on its 6-channel audio inputs, turn this setting on and configure the speaker settings in the Audio Setup menu.

If the receiver is capable of analog bass management, leave this setting in the default Bypass mode and configure the receiver's speaker settings. When this setting is off, the DMC 1000 speaker settings will have no effect.

Select the Stereo/LtRt setting to output a 2-channel recording, or a downmix of a surround-encoded program, through the Left- and Right-Channel jacks of the Zone 1 Analog Audio Outputs. When the Bass Management setting is set to either of the other settings, these jacks will only output the front left- and right-channel information, omitting the center and surround information.

NOTE: The Stereo setting is required when either the Digital Audio Out Format or HDMI Audio Out settings in the Audio Setup menu are set to Uncompressed (i.e., output a 2-channel PCM signal).

Content Play Mode: This setting compensates for disc authoring errors that occur when the frame rate is not properly maintained during the conversion from film to video. It only affects progressive scan display using the HDMI Output or the Component Video Outputs. Three choices are available:

- **Auto:** This is the recommended setting. The DMC 1000 analyzes the signals from the DVD, determines whether it was originally recorded on video or shot on film, and adjusts the output accordingly.

- **Film:** Choose this option for material that was originally shot on film, even though you are viewing it on video via a DVD.
- **Video:** Choose this option for material that was shot directly to video, such as concerts and sports programming.

Step Five – Audio Setup

Each setting applies to a certain type of audio output, but only for Zone 1. The audio output to Zones 2, 3 and 4 is always full-range, 2-channel analog line level. See Figure 20.

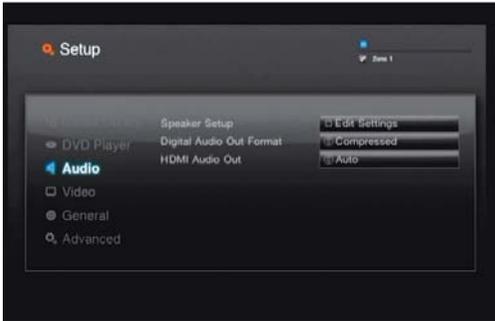


Figure 20 – Audio Setup Menu

Speaker Setup: A dialog box appears, allowing you to program the Speaker Size settings used with the Zone 1 (6-Channel) Analog Audio Outputs. The settings are dependent on the DVD Bass Management setting in the DVD Player Setup menu.

- **DVD Bass Management Bypass:** This is the default system setting, and should be used when the receiver or processor is capable of performing bass management. Configure the speaker settings on the receiver. All main speakers default to the Large (full-range) setting, and the subwoofer is on. These settings may not be changed.
- **DVD Bass Management On:** Use this setting if the receiver is not capable of performing bass management, to ensure that the low frequencies steered to each channel match the frequency-response capabilities of the speakers.
 - The default settings are Small (only frequencies of 200Hz and higher are passed) for all of the main speakers, and the subwoofer is on.
 - With the left and right speakers set to Large, the center speaker may be set to Small or None, but not Large. Change the Center and Surround settings to None for stereo mode when listening to 2-channel recordings. The subwoofer will remain on. Use this configuration when you desire the added power of a separate subwoofer for the low frequencies.
 - Change the left and right speaker setting to Small when using a speaker system consisting of small satellites and a subwoofer. The Center and Surround settings will automatically change to Small, and the Subwoofer setting will remain on; neither setting may be changed.
- **DVD Bass Management Stereo/LtRt:** Use this setting to output a 2-channel signal without a separate low-frequency channel for the subwoofer. The front left and right speakers default to the Large (full-range) setting, with the center, surround and subwoofer speakers all disabled. These settings may not be changed.

Select Save when you have finished your adjustments, or Cancel to return to the Audio Setup Menu without making any changes.

Digital Audio Out Format: This setting applies to the Optical and Coaxial Digital Audio Outputs only. If the receiver or processor is capable of decoding Dolby Digital, DTS or other compressed digital bitstreams, select the Compressed setting to output these bitstreams in their original format. Otherwise, select Uncompressed to output all audio as 2-channel PCM bitstreams.

NOTE: When Uncompressed is selected, change the DVD Bass Management setting in the DVD Player Setup menu to "Stereo." It is not possible to simultaneously output a 5.1-channel analog signal and a digital PCM (2-channel) signal.

HDMI Audio Out: We recommend leaving this setting at the default Auto, in which the DMC 1000 will communicate with the device connected to the HDMI Output and automatically select a compatible audio output setting based on the other device's capabilities. The other settings are:

- **Compressed:** Passes the audio bitstream in its original format, such as Dolby Digital or DTS.
- **Uncompressed:** Decodes the audio bitstream into up to 5.1 channels of PCM audio.
- **Off:** Mutes audio via the HDMI Output.

IMPORTANT NOTE: When the HDMI Output is active for audio, the Optical and Coaxial Digital Audio Outputs are muted. If the HDMI Output is being used for video only and the S/P-DIF outputs are required for audio, turn the HDMI Audio Out setting Off.

Step Six – Video Setup

These settings are usually set automatically by the DMC 1000, depending on which video output is in use. See Figure 21.



Figure 21 – Video Setup Menu

Video Output: When both the analog video outputs and the HDMI Output are connected, select the desired video output. Both HDMI and the analog video outputs are not available simultaneously. Example: The HDMI Output is connected to a display in the main listening room and the Composite Video Output is being distributed to a multizone system.

Output Resolution: Select the desired video output resolution. If you select a resolution higher than the display's capabilities, the screen will go blank or be scrambled. If that happens, press the Video Mode Button on the remote to cycle through the settings until a compatible setting is selected. The video output resolution is indicated on the front panel.

Picture Mode: Select from the Normal, Vivid, Sport and Nature picture settings to optimize viewing of various types of programs. This setting is a matter of taste, and there is no incorrect setting.

INITIAL SETUP

Video Noise Reduction: We recommend that you leave this setting at the default “Off”. If video signal noise is observed when using the analog video outputs, turn this setting on to reduce the noise and improve the picture quality.

Step Seven – General Setup

These general system settings should be accessed with caution. See Figure 22. If you are uncertain about the proper setting for any of these options, consult with your dealer or installer, or contact Harman Kardon Customer Service at www.harmankardon.com.



Figure 22 – General Setup Menu

Software Update: When system software updates are released, this setting will be used during the installation process. Do not make any changes here unless instructed to do so.

Date & Time: The first time the DMC 1000 is used, set the local time and date here.

System Information: This setting displays the software version number and the amount of hard-disc space available. It is informational only.

Step Eight – Advanced Setup

The settings shown in Figure 23 should be used with caution. If you have any doubts about whether it is appropriate to change these settings, consult with your Harman Kardon dealer or custom installer.

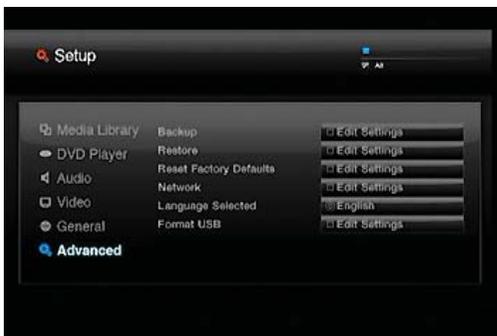


Figure 23 – Advanced Setup Menu

Backup: This setting is used to back up the system and Media Library contents to a USB storage device.

Restore: This setting is used to restore a backup copy of the system settings and Media Library contents. The existing contents of the Media Library will be erased. Use this feature only in the unlikely event that the hard-disc drive in your DMC 1000 has been replaced.

Reset Factory Defaults: This setting is used to return all of the Setup Menu settings to their factory defaults. They will then have to be reconfigured as required for your application. The contents of the Media Library are not affected by this command.

Network: When the DMC 1000 is connected to a network, the network settings are identified here. These settings may be used with other devices when the DMC 1000 is to be used as a media server as part of a home network. This feature also allows you to test the network connection to make certain that Internet access is available. Press the “9” key on the remote twice, to display the Internet Protocol (IP) address on the front panel.

Language Selected: Select the display language for the DMC 1000’s menus here. Choose from the default English, or Spanish, French, German or Italian.

Format USB: This command allows you to reformat a USB device, which completely erases the contents of the drive. Exercise great caution before reformatting a drive.

Now that your DMC 1000 has been installed and configured, it’s easy to enjoy your favorite audio and video programs from a variety of media, including DVDs, CDs, memory cards, USB drives and the DMC 1000’s own Media Library.

Turning On the DMC 1000

The DMC 1000 has four power states, each designed to minimize unnecessary power consumption.

- **Full-Off Mode (Dim Blue)** – The DMC 1000, including its hard-disc drive, is fully powered down, but is ready to be turned on using the front panel or remote control.
- **Sleep (Standby) Mode (Amber)** – The DMC 1000 will not respond to any commands other than to power on.
- **Server Mode (Amber)** – The DMC 1000 may be controlled via the RS-232 Port or the Network Connection, but the on-screen menu system is off.
- **Full-Power Mode (Bright Blue)** – The DMC 1000 operates normally.

See Table A7 in the Appendix for a description of each mode and the DMC 1000's response to the power controls.

NOTE: There is technically a fifth state of “no power,” in which the power cord is unplugged and/or the rear-panel Master Power Switch is turned off in the circle position (○). However, it is unlikely you will see this situation in normal use.

Press the front-panel Power Control or remote Power On Button to turn on the DMC 1000 when the Power Indicator is dim blue or amber.

When the Power Indicator is bright blue, press the front-panel Power Control or remote Power Off Button to switch to Server Mode (Power Indicator turns amber), or press and hold either control to turn the DMC 1000 fully off (Power Indicator turns dim blue).

When the DMC 1000 is in Server Mode (Power Indicator is amber and Server Mode message is displayed), press the Power Off Button on the remote to switch to Sleep Mode (Power Indicator remains amber).

Using the DMC 1000

After turn-on, the DMC 1000 will display its Main Menu (see Figure 24). If the Media Library is loaded with content, any cover art will appear in a mosaic in the background.



Figure 24 – Main Menu

From the Main Menu, you may play content from the Media Library or select another source for playback. You may program a Play Queue of items for immediate playback, or a Playlist that is stored for later retrieval. Record an audio stream from a device connected to the Auxiliary Inputs, or copy a playlist to any of the portable media, including a recordable CD,

a memory card or a USB drive. You may also control audio playback in up to four separate zones at a time. The DMC 1000's sophisticated yet easy-to-use on-screen menus will guide you at every stage.

Playing DVDs and CDs

With the DMC 1000 turned on, press the Open/Close Button on the front panel or remote. Gently place the disc in the tray, making sure to seat it properly. Refer to the Media Compatibility section for details on which disc types may be played in the DMC 1000. Other disc types will not play. The DMC 1000 will take a few moments to read and identify the disc.

If the disc is a DVD, it will automatically begin playing. Although we recommend using the disc's own menu system for navigation, audio track selection and subtitle language selection, see the DVD Playback section for instructions on using the DMC 1000's commands for these functions.

If the disc is an audio CD, the DMC 1000 will automatically copy it to the Media Library at high speed, displaying the progress of the recording as a percentage. The DMC 1000 is capable of playing back the recording almost as it is being made (if your unit has been set up for Play and Record operation). Once the recording is completed, you may remove the disc and continue to listen to the content as it is played from the Media Library.

When a CD or other music content is added to the Media Library, the DMC 1000 accesses Gracenote MusicID, which includes a vast online database containing identifying information for almost every commercial CD in existence, as well as cover art for the vast majority of CDs. This powerful service enhances the listening experience, as the user is able to view album, artist and track information and the cover art during playback. This information is then stored in the Media Library. A copy of the database resides in the DMC 1000 so that even when it is not connected to the Internet, the identifying information for most popular CDs (except for cover art) is retrieved and stored with the audio in the Media Library. However, for the latest and most complete version of the database, we recommend connecting the DMC 1000 to a high-speed Internet access point. Music recognition technology and related data are provided by Gracenote. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, visit www.gracenote.com.

NOTE: When no cover art is available, the DMC 1000 will display a generic musical-note icon (see, for example, Figure 37). This may occur if the DMC 1000 is not connected to the Internet, if a noncommercial disc is loaded, or in rare instances when there is a gap in the database.

DVD Playback

The DMC 1000 supports all of the features and options of standard DVDs. However, not all discs offer each option at all times. If the “Function Prohibited” icon (⊘) appears, then you are attempting a function that is not available at that time or with that media, and it does not indicate a problem with the DMC 1000.

OPERATION

Use the transport controls on the front panel or remote for standard disc playback. See Figure 25.



Figure 25 – Transport Controls

- **Play:** Press Play (▶) on the remote or Play/Pause (▶||) on the front panel to begin playback or resume playback after it has been paused.
- **Pause:** Press Pause (||) on the remote or Play/Pause (▶||) on the front panel to pause playback.
- **Stop/Resume:** Press Stop (■) to stop playback and place the DVD in resume mode. Press the Play Button (▶) to resume play from the point where it was stopped. If the DVD is removed, when you reload it, the DMC 1000 will recognize it as a previously played disc and automatically resume play from the point at which it was stopped. The Resume and Disc Recognition features are not available for audio content.
- **Chapter/Track Skip:** Press Next/Step (▶▶) or Previous/Step (◀◀) to move forward or backward by chapter on a DVD, or by track when playing other content.
- **Fast Search:** Press Forward Search (▶▶▶) or Reverse Search (◀◀◀) on the remote or press, hold and release Next/Step (▶▶) or Previous/Step (◀◀) on the front panel to scan forward or backward at high speed within a chapter or track. Each additional press (or press, hold and release) of these buttons cycles through the available fast-search speeds: 2x, 4x, 8x, 16x, 32x.
- **Slow Play:** After pausing playback, press Forward Search (▶▶▶) or Reverse Search (◀◀◀) on the remote or press, hold and release Next/Step (▶▶) or Previous/Step (◀◀) on the front panel to play the DVD in slow motion. Each additional press (or press, hold and release) of these buttons cycles through the available slow-play speeds: 1/2x, 1/4x, 1/8x, 1/16x.
- **Frame-by-Frame Advance:** After pausing playback, press Next/Step (▶▶) to advance through the DVD one frame at a time. Frame-by-frame movement is not available in reverse.

Chapters and Titles

DVDs contain one or more features organized as titles. We recommend selecting titles using the disc's menu system, where they are identified by name.

Because titles can run for several hours, they are generally divided into chapters, each of which is typically no more than a few minutes long, encompassing one or more scenes. Chapter selection allows you to go straight to your favorite section of the movie, or to easily skip past sections you've already viewed. Most discs offer a chapter selection menu that includes thumbnail images for easy identification.

To select a chapter or title by number, press the Find Button on the remote to display the Find Menu. See Figure 26. Pressing any Numeric Key will also display the Find Menu, with the number shown in the Chapter cell. Press the Enter Button to jump directly to that chapter.

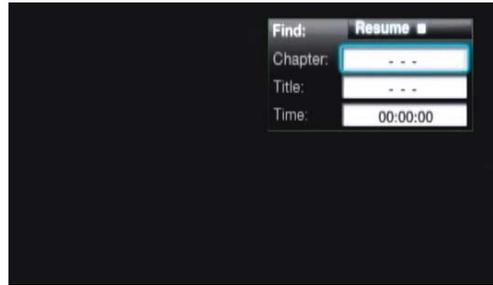


Figure 26 – Find Menu

To select a title by number, navigate to the Title cell, enter the title number and press the Enter Button.

To begin play from a specific time location within the title, also known as "Time Search," navigate to the Time cell and enter the desired starting point. Press the Enter Button, and play will immediately begin at the selected time.

You may also select a title or chapter, using the Status Display.

Status Display

Press the Status Button to view the Status Display (see Figure 27).

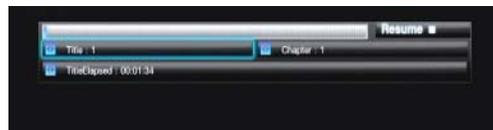


Figure 27 – Status Display

A temperature bar graphic appears at the top of the Status Display to indicate the percentage of the selection that has been viewed.

Highlight either the Title or Chapter cell and press the Enter Button (◉) to view a list of the titles and chapters available. Use the ◀/▶/▲/▼ Navigation Buttons to select the desired title or chapter number, and press the Enter Button to begin play at that point.

Highlight the Time Display cell at the bottom of the Status Display, and each press of the Enter Button changes the time display both on screen and on the DMC 1000's front panel as follows: Title Elapsed, Title Remaining, Chapter Elapsed and Chapter Remaining. The Time Search function is not available in this display menu.

Press the Status Button or the Clear Button to remove the Status Display from view without making a selection.

Repeat Play

You may repeat the current chapter or title, or select a passage to repeat (A-B Repeat), and it will repeat until play is stopped or the repeat function is turned off.

During playback, press the Play Mode Button to display the Play Mode menu (Figure 28).



Figure 28 – Play Mode Menu

With the Repeat cell highlighted, use the ◀/▶ Navigation Buttons to cycle through the choices of Repeat Off, Repeat Chapter and Repeat Title. Press the Enter Button when the desired option appears.

A-B Repeat Play

To initiate A-B Repeat Play, press the A-B Repeat Button at the beginning of the section to be repeated. The A-B Repeat Display will appear (see Figure 29). Press the A-B Repeat Button a second time to indicate the end of the passage.

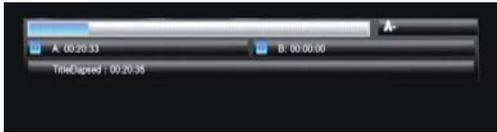


Figure 29 – A-B Repeat Display

The display will indicate the starting and ending times selected for repetitive play, as well as the Title Elapsed time for reference. If you have changed the time display mode to something other than Title Elapsed, the starting and ending times will correspond to that display mode.

Press the A-B Repeat Button a third time to end repetitive play.

Audio Soundtracks

Many DVDs contain more than one audio soundtrack, which may include different languages, surround sound formats (such as Dolby Digital and DTS) or special commentaries by the director or cast.

Although we recommend using the disc's menus to select from the available soundtracks, you may display the current selection by pressing the Audio Button during playback. See Figure 30.



Figure 30 – Audio Display

Use the ◀/▶ Navigation Buttons to cycle through the available audio soundtracks, and press the Enter Button when the desired option is displayed.

Subtitles

Some DVDs contain one or more subtitle languages. Although we recommend using the disc's menu system to turn subtiting on or off and to select a language, you may also do so by pressing the Subtitle Button. The Subtitle Display (see Figure 31) will appear.



Figure 31 – Subtitle Display

Use the ◀/▶ Navigation Buttons to cycle through the available subtitle language options (including the Off option to remove subtitles from display), and press the Enter Button when the desired option appears.

Camera Angles

Some DVDs include multiple camera-angle views of certain scenes, allowing you to gain a different perspective on the program. If multiple angles are not available on the current disc, or during the current section of the disc, the Prohibit Symbol (⊘) will appear if you try to use this feature.

When multiple-angle scenes are available, the Angle Display will appear on screen (see Figure 32), indicating the current angle and the number of available angles. Each press of the Angle Button changes to the next viewing angle. The Angle Display remains on screen as long as multiple angles are available.



Figure 32 – Angle Display

Audio Playback From the Media Library

The DMC 1000's Media Library makes it easy to store all of your audio content in one place for convenient playback in your main home theater room, in three remote "zones" (if you have set up the DMC 1000 as part of a multizone system), on a device connected to a home network, or anywhere else when you transfer the content to portable media.

When you first turn on the DMC 1000, the assumption is that you will most likely want to listen to content stored in your Media Library, and the Main Menu (see Figure 33) is configured that way.

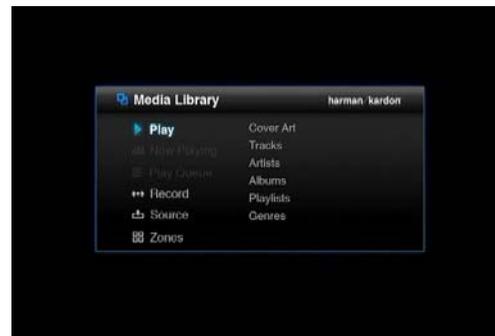


Figure 33 – Main Menu

Press the Enter Button to select the highlighted "Play" option, and the DMC 1000 will offer you a variety of sorting options. Large music collections may be easier to manage when sorted by artist or album. As shown in Figure 33, you may select from one of six possible sorts, or views, of the Media Library.

Cover Art: Displays a mosaic of album covers retrieved by Gracenote MusicID when the DMC 1000 is connected to the Internet. Cover art may be organized alphabetically by name, by artist or in the order added, starting with the most recent additions. As described below, use the ◀/▶/▲/▼ Navigation Buttons to move the "magnifying glass" to the desired album, and press the Enter Button to see the playback options.

Tracks: Displays all tracks individually in alphabetical order. The tracks may be organized alphabetically by name, artist, album or in the order added, starting with the most recent additions.

OPERATION

Artists: Displays all artists in alphabetical order. Select an artist and press the Enter Button to view his or her albums.

Albums: Displays all albums in alphabetical order. Select an album and press the Enter Button to display its tracks.

Playlists: Displays all playlists you have programmed.

Genres: Displays your library organized into genres. Select a genre and press the Enter Button to view all artists tagged with that genre.

Navigate to the desired sorting option and press the Enter Button to view the Media Library (see Figure 34).



Figure 34 – Media Library

The Media Library lists the items (in this case, albums) in your collection, with the current selection highlighted by a magnifying bar. The cover art, or an icon if the cover art could not be found, is highlighted. Press the Enter Button to expand the album into a track view.

NOTE: You may have noticed that letters appear above the Numeric Keys on the remote. The DMC 1000 is capable of using alphabetic characters as well as numbers, which allows you to search the Media Library by entering the Numeric Key corresponding to the first letter of your selection. Each Numeric Key represents three letters. The first press jumps to the selections beginning with the first letter in the group, and the character-entry dialog box appears. You may enter additional letters to refine your search or change the first letter by navigating to the Clear command and repeatedly pressing the Numeric Key until the desired letter appears in the text bar. Navigate to the Done command when you have finished entering a search term. Alphanumeric entry is also used to edit content tags and to name playlists. See Figure 35.



Figure 35 – Character-Entry Dialog Box

Use the ◀▶ Navigation Buttons to scroll through the playback options described below. The availability of each of these options and commands depends on how the Media Library is sorted.

- **Play Now:** The current selection is played immediately, replacing other content in the Play Queue. The Play Queue is a list of content in line to be played. It is saved until the DMC 1000 is powered down to Full-Off mode (dim blue).
- **Add to Queue:** The current selection is added to the end of the Play Queue, and the media currently playing continues until it is finished. The Play Queue may be accessed from the Main Menu.
- **Add to Playlist:** The current selection is added to a new or existing playlist. A dialog box will pop up, asking you to select from the existing playlists or create a new one (see Figure 36). The DMC 1000 is programmed with several empty playlists named to fit different moods or occasions, including Dance and Dinner. Up to four playlists are shown at a time. The playlists may be accessed from the Main Menu.



Figure 36 – Select a Playlist

- **View Artists:** Available when the Media Library is sorted by genre, this command displays all artists within the selected genre.
- **View Albums:** Available when the Media Library is sorted by artist, this command expands the current artist to view all of his or her albums in the library.
- **View All Tracks:** Expands the current album into a track view.
- **Open Playlist:** Available when the Media Library is sorted by playlists, this command opens the list.
- **Edit Name:** Available when the Media Library is sorted by playlists, this command allows you to rename the playlist if you no longer want to use the name selected when the playlist was created.
- **Edit Info:** This command is available for tracks and albums only. A dialog box appears, allowing you to edit the identifying information, including renaming tracks. See Figure 37. The box is slightly different when the Media Library is sorted by tracks. A character-entry dialog box appears when you select any field for editing. See Figure 35 and the note on this page. Select the Find Info command to activate Gracenote MusicID.



Figure 37 – Edit Info Dialog Box

- **Delete:** Select this command if you wish to remove the content from the Media Library. Be aware that the DMC 1000 does not play audio CD content directly from the disc. If you load the CD again, it will be recopied to the Media Library.

Cover Art Sort

You may have noticed the cover art mosaic that appears in the background of the Main Menu when you turn on the DMC 1000. With the Main Menu on screen, select the Cover Art sorting option for the Media Library and the focus shifts to this mosaic. Use the Navigation Buttons to move the “magnifying glass” to the desired album cover, identifying the artist and album.

Press the Enter Button to display the playback options: Play, Add to Queue, Add to Playlist, View Album, Edit Info and Delete Album. Select View Album to switch to the regular Media Library view with the album expanded to view the tracks. The other playback commands function in the same way as in the Media Library view.

NOTE: When no cover art is available (e.g., if the DMC 1000 was not connected to the Internet when the CD was loaded, if the disc is noncommercial or if there is a gap in the database), the album will not appear in the Cover Art sort, although you may select it when viewing the Media Library by Tracks, Artists, Albums, Playlists or Genres. A musical note icon, such as the one shown in Figure 37, will appear in place of the missing cover art.

Data Media

The DMC 1000 recognizes media containing data files in the MP3, JPEG and WAV formats.

Load a data CD in the disc player, or insert a memory card in the appropriate card slot, or connect a USB drive to either USB Port, and the device will be available for selection as a media source in the Main Menu. See Figure 38.

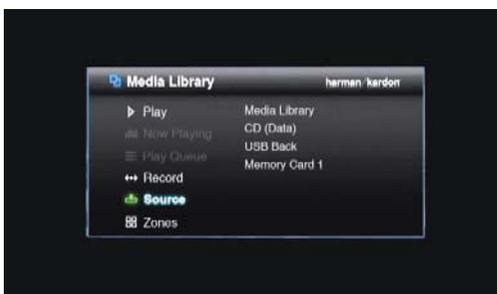


Figure 38 – Source Selection

When a data source is selected, the only sorting options are Audio and Photos. Select one, and the regular Media Library will appear, except that unlike audio CDs, which are organized as albums containing individual tracks for each song, data sources are organized as folders containing individual files for each song or still image. However, navigation of the content is similar to audio. See Figure 39.



Figure 39 – Data CD

Press the Enter Button to expand a folder, or select the Go Up command to collapse it. The other commands function as usual, and the Add to Library command allows you to import the content to the Media Library for playback after the media has been removed from the DMC 1000.

The Play Queue and Playlists

The DMC 1000 allows you to program playlists that are saved for future playback, plus a play queue of items for immediate play.

The Play Queue

The Play Queue is simply a list of all items that are queued up to be played. There are two ways to add an item to the play queue:

1. Display the desired content on screen by selecting the correct source (the Media Library, a card slot, a data CD or a USB device) and selecting the audio or still-image content. Scroll to the desired content, e.g., a song track or file, use the ◀/▶ Navigation Buttons to highlight the Play Now command, and press the Enter Button. The existing Play Queue will stop and add the selected item, which will begin playing immediately. The previous Play Queue items will be deleted.
2. With the desired content on screen and the item selected, use the ◀/▶ Navigation Buttons to highlight the Add to Queue command. Press the Enter Button to add the item to the end of the Play Queue.

To view the play queue, press the Menu Button to display the Main Menu, and navigate to the Play Queue line. Press the Enter Button. The Play Queue is preserved unless the DMC 1000 is powered down to Full-Off mode (by pressing and holding the Power Off Button on the remote so that the front-panel Power Indicator turns dim blue). If the Play Queue line in the Main Menu is dimmed, the Play Queue has been erased.

The Play Queue is not available during DVD playback, or when The Bridge is the media source.

You may create playlists that are permanently saved by name for future playback.

Programming a Playlist

Playlists are not only a convenient way to store a queue of your favorite songs, but they are required to transfer audio from the Media Library to any of the portable media. See the Content Transfer section for more information.

OPERATION

To program a playlist, display the desired content on screen by selecting the correct source (the Media Library, a card slot, a data CD or a USB device) and selecting the audio or still-image content. Scroll to the desired content, e.g., a song track or file, use the ◀/▶ Navigation Buttons to highlight the Add to Playlist command, and press the Enter Button.

A pop-up screen will prompt you to select from an existing playlist, to name a new playlist, or to select an empty prenamed playlist, such as Dance or Chill. See Figure 40. If you select one of the prenamed playlists and have already used that name, a number will be added to the end to differentiate the new playlist. The pop-up dialog box displays up to four playlists at a time. Scroll up or down to view the remaining playlists.



Figure 40 – Select a Playlist

Playlists may be edited by selecting the Playlist View from the Media Library. Press the Menu Button to view the Main Menu, and navigate to the Playlists view in the Media Library. Press the Enter Button, and scroll to the desired playlist. The commands function as expected:

- **Play Now:** Plays the selected playlist immediately, adding it to the Play Queue.
- **Add to Queue:** Adds the selected playlist to the end of the Play Queue.
- **Add to Playlist:** Adds the selected playlist to a new or existing playlist.
- **Open Playlist:** Opens the playlist to allow editing of individual tracks, including removing a track from the playlist, changing the track's order within the list, selecting the track for immediate play, adding the track to the Play Queue or a playlist, editing the track's identifying information or deleting the track from the Media Library.
- **Edit Name:** Opens the character-entry dialog box to rename the playlist.
- **Delete Playlist:** Deletes the playlist (but not its contents) from the Media Library.

Using The Bridge™

The Bridge is an optional dock that may be used with a compatible iPod (not included). When The Bridge is connected to its proprietary input on the DMC 1000 and the iPod is docked, you may enjoy the audio and still-image materials stored on your iPod.

When an iPod is docked in The Bridge, the IPOD FOUND message will appear on the front panel, and a banner with The Bridge icon and the Detected message will appear on screen. The iPod will be in "disc mode," and its screen will display the "OK to disconnect" message. Do not physically undock the iPod while its content is playing. However, you may select the Undock command at any time.

Select The Bridge as the media source from the Main Menu. The menu shown in Figure 41 will appear.



Figure 41 – The Bridge menu

Navigate the contents of the iPod in a similar manner to other data media sources. Select between the audio (music) and still-image (photo) content. When Music is selected, you may sort it using views similar to those in the iPod's own menu: Playlists, Artists, Albums, Songs, Podcasts, Genres, Composers or Audio Books.

Only three options are available for iPod content:

Play Now: Begins play of the selected item immediately. The Play Queue is erased.

Open: If an individual track is selected, it begins play immediately. If the selected item is in any other category, e.g., an artist or album, this command opens the item so you may view its contents.

Undock iPod: This command ends play of any content on the iPod and returns to the Media Library view of the Main Menu. The iPod's own menu appears on its screen. To resume playback, physically undock the iPod from The Bridge and redock it.

Press the Back Button to return to the previous menu level, similar to pressing the Menu button on the iPod itself.

You may not import content from the iPod to the Media Library, and you may not add the iPod's content to the Play Queue or a playlist. You may not record from the Media Library to an iPod docked in The Bridge. These are limitations of the iPod's design, and do not reflect a problem with the DMC 1000.

NOTE: The Bridge may not be compatible with some iPod models, particularly the iPhone and the iPod touch. To enjoy content stored on these devices, connect a cable from the device's headphone output to the DMC 1000's Auxiliary Analog Audio Inputs.

Auxiliary Analog Audio Inputs

In addition to digital media, the DMC 1000 also accommodates analog source devices, such as cassette decks and turntables, but mainly as a recording source. Connect the device to the rear-panel Auxiliary Inputs.

IMPORTANT NOTE: Do not connect a turntable directly to the DMC 1000 unless it includes an onboard phono preamp or is connected to an external phono preamp which is then plugged into the Auxiliary Inputs. You may purchase an accessory phono preamp from the Harman Kardon Parts Department either on our Web site, www.harmankardon.com, or by calling 516-255-HKHK. Phono preamps may also be available from specialty audio shops or electronics stores.

The device connected to the Auxiliary Inputs is not available for source selection in the usual manner. It is selected as a recording source, as described in the Content Transfer section, although it is possible to monitor the source without making a recording.

Content Transfer

One of the DMC 1000's most exciting features is its ability to transfer content from one type of media to another, and to store your library of music on its internal hard-disc drive.

The method for making recordings varies slightly, depending on the source media.

Audio CDs

As soon as an audio CD is loaded, the DMC 1000 begins the process of copying it to the Media Library at high speed. It displays the progress of the recording as a percentage recorded.

At the same time, the DMC 1000 automatically begins playing the copy of the CD from the Media Library, if you have programmed the DMC 1000's Setup Menu to do so.

The DMC 1000 uses Gracenote MusicID to identify the CD, tag it with the correct information and import the album cover art, if available. If the DMC 1000 is not connected to the Internet, Gracenote MusicID will tag the content using the offline database stored on the DMC 1000's hard-disc drive; however, it will not display any cover art. For homemade discs, the service will attempt to identify the content based on any tags that were created when the disc was recorded.

After the DMC 1000 has finished copying the CD to the Media Library, you may remove the disc and store it.

NOTE: The DMC 1000 initially copies the CD to .wav files. If you have adjusted the Audio Encoding Quality setting in the Media Library Setup menu to one of the MP3 formats, the DMC 1000 will then encode the .wav files as MP3 files at the specified sampling rate. If you attempt to transfer the CD from the Media Library to a memory card, recordable CD or USB drive before the encoding is completed, the files will be transferred as .wav files. Since .wav files are much larger than MP3 files, depending on your destination media, you may not have enough space to complete the transfer.

Data CDs

Data CDs are discs that contain sound and image files. They are recognized when loaded, but operation is handled differently.

To transfer the CD's content to the Media Library:

1. Select it as a playback source, and view the audio files. Still-image files may not be added to the Media Library.
2. The CD is listed as a single folder, which you may expand as usual. Select the Add to Library option to import it to the Media Library. Audio files are transferred in their original format, e.g., as MP3 files.

Auxiliary Inputs

With the analog audio device connected to the Auxiliary Inputs and the media loaded, either press the Record Button, or press the Menu Button to view the Main Menu. Scroll to the Record line and press the Enter Button.

Select "Auxiliary" from the dropdown menu as the recording source. See Figure 42.



Figure 42 – Select a Recording Source

Next, select the Media Library (the only option) as the recording destination. The screen shown in Figure 43 will appear.

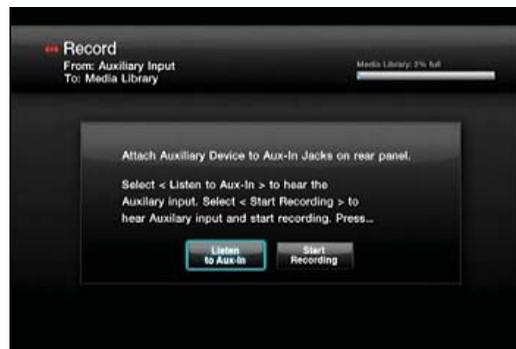


Figure 43 – Record From the Auxiliary Inputs

Select the Listen to Aux In option to monitor the analog device. Begin playing the device, and cue it up to the desired starting point. Example: most cassette tapes include about five seconds of blank leader tape, plus additional blank tape at the beginning. Play until the audio begins so as to minimize the amount of dead air in the recording.

NOTE: The DMC 1000 does not detect the presence or absence of an audio signal at the Auxiliary Inputs.

When you are ready to begin the recording, select the Start Recording option and begin playback of the analog device. You may experiment by making several recordings and deleting those you don't want.

While the recording is in progress, a screen similar to the one shown in Figure 44 will appear.



Figure 44 – Recording in Progress

OPERATION

Make a note of the file name automatically generated by the DMC 1000 to easily locate the recording later. The DMC 1000 also displays the elapsed time, and a graphic and numeric display of the space available on the hard-disc drive.

Select the Pause Recording option to pause the recording without starting a new file when recording is resumed. This feature is useful if you wish to record a series of audio tracks as one file while skipping breaks in between, such as when recording an entire side of a cassette tape into one file.

Select the Stop Recording option to end recording of the file. The screen shown in Figure 45 will appear.



Figure 45 – Recording Complete

Select Done if you are finished, or Record Next to record another track, which returns to the screen shown in Figure 43, allowing you to cue up the next track.

To locate the newly recorded tracks, view the Media Library by Track and by Last Added. The track will be displayed at the top of the list. You may also sort the Track view by Name, looking for tracks starting with "AUX." You may wish to view the Tracks by Artist, as all tracks with artist "Unknown" will be listed first, and the recordings will appear here.

Select the Edit Info option to rename the tracks and add other identifying information. Enter as much information as possible about the track to enable Gracenote MusicID to locate any cover art and properly tag the track. This is particularly useful when you have recorded commercial albums from cassette, vinyl or other analog media.

Media Library

You may transfer audio content from the Media Library to any of the portable media – memory cards installed in the card slots, a USB device connected to one of the USB Ports, or a recordable CD loaded in the Disc Player.

1. Create a playlist of the desired content. The Play Queue may not be used for this purpose.
2. Press the Record Button, or select the Record command from the Main Menu, and select the Media Library as the source, with the other media as the destination.

NOTES:

- When a blank recordable CD has been loaded, you will be presented with the options of recording it as an audio disc or as an MP3 disc. Audio discs conform to the "red book" standard and may be played in any standard CD player. Many CD players are not capable of playing MP3 discs. Check with the manufacturer of the player for more information.
- Any standard CD-R disc may be used. Special Music/Audio Recordable CDs are not required.

3. The DMC 1000 will display the playlists in the Media Library. Select one or more playlists for recording.

4. When all selections have been made, select the "Record Selected" option to begin the transfer.

Selections are transferred in the same format in which they are stored in the Media Library. Thus, if your CDs are automatically recorded to the Media Library in the MP3 format, they will be transferred to the portable media as MP3s. Analog audio streams are recorded from the Auxiliary Inputs as lossless WAV files, and are transferred in that format to the portable media.

NOTE: If recordings made from the Auxiliary Analog Audio Inputs were tagged by Gracenote MusicID, the DMC 1000 will generate new file names in the format of [artist] – [three-digit track number].wav. The tags will be transferred to the portable media with the file. Thus, if you upload the file from the media to your PC using software that is capable of recognizing the tags, the track will appear with its correct song title and other information.

Solid-State Media

You may transfer content from any of the solid-state media (memory cards or USB device) to the Media Library in a similar fashion to recording from the Media Library. However, it is not necessary to create a playlist, since the data media are already organized as file folders.

1. Press the Record Button, or select the Record command from the Main Menu, and select the solid-state media as the source, with the Media Library (the only option) as the destination.
2. The DMC 1000 will display the folders and files stored on the media. Select one or more items for recording.
3. When all selections have been made, select the "Record Selected" option to begin the transfer.

NOTE: Content may only be transferred from one of the solid-state media to the Media Library, not from one of the solid-state media to the other. If you wish to transfer content from one type of media to another, first add the content to the Media Library, and then record it to the other type of media.

Multizone Operation

The DMC 1000 is capable of streaming audio to up to four independent zones simultaneously, allowing users in different areas of the home to enjoy unique programs. The zones may easily be linked or unlinked to each other, to play the same program in more than one zone. Manage the zones by displaying the Main Menu and selecting the Zones command. The screen shown in Figure 46 will appear.



Figure 46 – Zones Menu

Zone 1 is the current zone, as indicated by the checkmark in the box to its left. Each zone is assigned a different color box, indicating none of the zones are linked to other zones.

To rename a zone, highlight the button containing its name and press the Enter Button. Select one of the default names, such as Den or Dining Room, or create a new name. The DMC 1000's character-entry dialog box will appear to guide you. (See Figure 35.)

To link zones together, highlight the line for what will be the "master" zone. If other zones are linked to the master zone, content playing in the master zone is streamed to any zones linked to it. Select the Zone Links option, and then select one or more of the other three zones to link to the master zone.

To unlink zones, highlight the master zone and select the Zone Links option. Click on a linked zone to select it for unlinking.

To begin playback in any zone, navigate to its line, make sure the colored box to the left of the zone name is highlighted and press the Enter Button. A checkmark will appear in the box. Press the Menu Button to display the Main Menu, and the current zone, along with any other zones linked to it, will be identified in the upper right corner of the video display. Select content for playback in that zone as usual.

When you return to the Zones menu, the cover art for the current selection, or a generic icon when no cover art was found, appears to the left of the line for each active zone.

Interrupt playback to any zone by navigating to it and selecting the Pause Playback option. The DMC 1000 will remember its location in the current selection when the Play Button is pressed to resume playback. When the Stop Playback option is selected, the DMC 1000 will not remember the location, and when the Play Button is pressed, playback will start from the beginning of the selection.

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	SOLUTION
Unit does not turn on	<ul style="list-style-type: none"> No AC power 	<ul style="list-style-type: none"> Make certain AC power cord is plugged into a live outlet. Check to see whether outlet is switch-controlled. Make sure Master Power Switch on rear panel is turned on to the "1" position. If DMC 1000 was in "Full-Off" Power Mode (Power Indicator dim blue), wait for system to reboot.
Unit does not respond to remote commands	<ul style="list-style-type: none"> Weak batteries in remote Remote sensor is obscured Unit not in Full-On Power Mode 	<ul style="list-style-type: none"> Change remote batteries and insert with correct polarity. Make certain front-panel sensor is in line of sight of remote or connect an optional remote sensor. If Power Indicator is amber or dim blue, press Power On control to turn unit fully on.
No picture	<ul style="list-style-type: none"> Intermittent connections Wrong input Video display is not capable of handling selected video output resolution HDMI Output is connected to a video display that is not HDCP-compliant HDMI communications need to be reset Video Off feature is active 	<ul style="list-style-type: none"> Check all video connections. Check input selection of TV or receiver. Press the Video Mode Button repeatedly to change the video output resolution. The HDMI Output may not be used with video displays that are not HDCP-compliant. Unplug the cable and select another audio and video connection. Turn off all HDMI devices (DMC 1000, receiver, TV). Turn on devices in this order: TV, then receiver, then DMC 1000. Press Video Off Button to reactivate video circuitry.
Disc does not play	<ul style="list-style-type: none"> Disc is loaded improperly Incorrect disc type Invalid Region Code Rating is above parental control setting 	<ul style="list-style-type: none"> Load disc label-side up; align the disc with the guides and place it in its proper position. Check to see that the disc is CD, CD-R, CD-RW, VCD, MP3, WMA, JPEG, DVD-R/RW, DVD+R/RW (standard-conforming) or DVD-Video; other types will not play. Use Region 1 or Open Region (0) disc only. Enter password to override or change rating settings.
No sound	<ul style="list-style-type: none"> Intermittent connections Incorrect digital audio input selection DVD disc is in fast or slow mode Surround receiver is not compatible with 96kHz PCM audio Incorrect zone selection Zone not linked to active zone Attempting to use Coaxial or Optical Digital Audio Output with HDMI Output active 	<ul style="list-style-type: none"> Check all audio connections. Check digital audio settings on DMC 1000 and on receiver. There is no audio playback on DVD discs during fast or slow modes. Change Digital Audio Out setting in AUDIO SETUP menu to COMPRESSED. Use the Zones command in the Main Menu to select the desired zone for playback. Use the Zones command in the Main Menu to link or unlink zones to each other. The HDMI and other digital audio outputs are not available at the same time. To use the Coaxial or Optical Digital Audio Outputs, change the HDMI Audio Out setting in the Audio Setup menu to Off.
Picture is distorted or jumps during fast forward or reverse play	<ul style="list-style-type: none"> MPEG-2 decoding DTS decoding 	<ul style="list-style-type: none"> It is a normal artifact of DVD playback for pictures to jump or show some distortion during rapid play. Due to the format of DTS recordings, fast-play may overshoot or undershoot desired place.

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	SOLUTION
Some remote buttons do not operate; Prohibit icon \emptyset appears	<ul style="list-style-type: none"> Function is not permitted at this time 	<ul style="list-style-type: none"> With most discs, some functions are not permitted at certain times (e.g., Track Skip) or at all (e.g., direct audio track selection).
The OSD menu is in a foreign language	<ul style="list-style-type: none"> Incorrect OSD language 	<ul style="list-style-type: none"> Change the Language Selected in the Advanced Setup menu.
Picture is displayed in the wrong aspect ratio	<ul style="list-style-type: none"> Incorrect match of aspect-ratio settings to disc 	<ul style="list-style-type: none"> Change aspect-ratio setting in the DVD Player Setup menu.
Disc will not copy to VCR	<ul style="list-style-type: none"> Copy protection 	<ul style="list-style-type: none"> Many DVDs are encoded with copy protection to prevent copying to VCR.
Password not accepted	<ul style="list-style-type: none"> Incorrect password is being used or password has been forgotten 	<ul style="list-style-type: none"> As a last resort, use the Reset Factory Defaults setting in the Advanced Setup menu, then set a new password using the Parental Control setting in the DVD Player Setup menu. All other system settings will need to be reentered, including naming zones. However, the Media Library's contents, including playlists, are not affected.
Screen saver not activated	<ul style="list-style-type: none"> Screen saver will not activate when Setup menus are displayed 	<ul style="list-style-type: none"> Clear Setup menus or press Video Off Button to avoid burn-in on plasma and CRT displays.
Cannot program playlist	<ul style="list-style-type: none"> Current source is other than Media Library 	<ul style="list-style-type: none"> Playlists may only be programmed from content stored in the Media Library. Transfer the other source's content to the Media Library, view it from within the Media Library and then create a playlist.
Unable to select desired media source	<ul style="list-style-type: none"> No media is present Wrong type of USB drive was inserted in USB port Media was not inserted correctly 	<ul style="list-style-type: none"> Insert the appropriate memory card into one of the card slots, connect a USB drive to the USB port or insert a disc. Only USB drives that do not function as stand-alone MP3 players are compatible. Hard-disc drives that are formatted using the FAT or FAT32 file system are compatible, but NTFS-formatted drives are not. Remove media and carefully insert it.

Additional information on troubleshooting possible problems with your DMC 1000, or installation-related issues, may be found in the list of "Frequently Asked Questions," which is located in the Product Support section of our Web site at www.harmanardon.com.

GLOSSARY

Aspect Ratio: This is a description of the width of a video image in relation to its height. A conventional video screen is four units wide for every three units of height, making it almost square. Newer wide-aspect-ratio video displays are 16 units wide for every nine units of height, making them more like the screen in a movie theater. The program material on a DVD may be recorded in either format and, in addition, you may configure the DMC 1000 to play back in either format, depending on the features recorded on a disc.

Chapter: DVD programs are divided into chapters and titles. Chapters are the subsections programmed into a single title on a disc. Chapters may be compared to the individual tracks on an audio CD. Press the Disc Menu Button to see a listing of the chapters on a disc.

Component Video: This form of video signal eliminates many of the artifacts of traditional composite video signals by splitting the signal into a separate luminance channel (the "Y" signal channel) and two color-difference signals (the "Pr" and "Pb" signal channels). With a component video connection, you will see greater picture resolution and eliminate many picture imperfections, such as the moiré patterns often seen on check-patterned cloth. However, in order to benefit from component video, you must have a video display with Y/Pr/Pb component video inputs. Do not connect the component video outputs of the DMC 1000 to the standard composite or S-video inputs of a TV or recorder.

HDCP (High-Bandwidth Digital Content Protection): HDCP is the specification for protecting digitally encoded content from unauthorized copying when it is transmitted from a video source to a display using HDMI or DVI connections. To take advantage of the high-resolution output of the DMC 1000 via its HDMI output, your display must be HDCP-compliant. All displays with HDMI inputs are HDCP-compliant, but not all DVI-equipped displays are. If you are using the DMC 1000 with an optional HDMI-to-DVI cable or adapter, check the owner's manual for your display to determine whether it is HDCP-compliant.

HDMI (High-Definition Multimedia Interface): HDMI is a serial-bus form of communication between an audio/video source and a video display or audio/video receiver. It is capable of passing digital audio and high-definition digital video using a single cable. With HDMI, the DMC 1000 is capable of outputting high-resolution (720p, 1080i or 1080p) video and 5.1-channel PCM, Dolby Digital or DTS digital audio, with the convenience of a single cable connection.

JPEG Files: JPEG stands for the Joint Photographic Experts Group, which developed a standard for compressing still images, such as photographs. JPEG files may be created on a personal computer by importing images from a digital camera, or scanning printed photographs. These files may be burned onto a compact disc or stored on a memory card or USB device. The DMC 1000 is capable of recognizing JPEG files and enabling you to view them on your video screen.

Media Library: The Media Library refers to the content stored on the DMC 1000's internal hard-disc drive. It contains all of the content that you have transferred to the DMC 1000, including copies of audio CDs, captures of audio streams from the Auxiliary Analog Audio Inputs, and MP3 audio and JPEG image files transferred from memory cards, discs

or USB drives. The Media Library automatically organizes the content so that you may view it by track name, album, artist, genre, cover art (when available) or playlists that you have created. When a multizone system has been connected, each zone may access different content stored in the Media Library. When connected to other properly programmed devices in the home using the Network Jack or the RS-232 Port, the Media Library may be used as a server, allowing you to enjoy content throughout your home.

MP3 Files: MP3 is an audio compression format that was developed by the Moving Picture Experts Group as an adjunct to the MPEG-1 video compression format. The main benefit of MP3 is that it reduces the size of audio files considerably, depending on the amount of compression selected during the encoding process, enabling you to store many more songs on one compact disc than in the standard audio CD format. The DMC 1000 is capable of playing MP3 files stored on a disc or stored on a memory card or USB device, using its advanced graphic interface.

Multiple Angle: DVDs have the capability to show up to four different views of the same scene in a program. When a disc is encoded with multiple-angle information, pressing the Angle Button will enable you to switch between these different views. Few discs take advantage of this capability and, when they do, the multiple-angle technology will only be present for short periods of time. Producers will usually insert some sort of icon or graphic in the picture to alert you to the availability of multiple-angle scenes. In addition, the DMC 1000's angle indicator will remain lit in the front-panel display during multi-angle availability.

Multizone: A multizone system is used to distribute audio to various rooms in the house so that the occupants of each room may independently choose different program material. The DMC 1000 permits up to four different zones to stream audio simultaneously. Multizone control is usually set up by the custom installer, using either control devices connected to a home network, or devices connected to the DMC 1000's RS-232 port.

Progressive Scan: Progressive-scan playback formats the video output at a high-scan-rate with twice the scan lines of conventional video images. Progressive-scan outputs must be connected to "digital-ready" or high-definition video displays, regardless of the technology of the specific display (e.g., CRT direct-view television, front or rear projector, plasma display panel or LCD). In some cases, the displays may have special inputs for use with high-scan-rate inputs, and in others you may need to make adjustments to the display's setup menus to make certain that the inputs used are configured for an "HD" signal. Although the progressive-scan output uses the component video jacks, it is not compatible with older analog video displays with component inputs, unless you change the Output Resolution setting in the Video Setup submenu to 480i.

Reading: You will see this message when you insert a disc while the player examines the contents of the disc to determine its type, and then extracts information about the material on the disc, such as languages, aspect ratios, subtitles, number of titles and more. The slight delay while the contents of the disc are read is normal.

Resume: The Stop Button on the DMC 1000 works differently from a CD player. On a traditional CD player, when you press the Stop Button, the unit does just that – it stops playback. On a CD player, when you press the Start Button again, the disc starts from the beginning.

With the DMC 1000, however, you have two options when playing most discs. Pressing the Stop Button once will stop the playback, but it actually puts the unit in the Resume mode. This means that you can turn the machine off and, when you press the Play Button the next time, the disc will resume playback from the point on the disc where the Stop Button was pressed. This is helpful if you are watching a movie and must interrupt your viewing session but wish to pick up where you left off.

Pressing the Stop Button twice will stop the machine in a traditional manner and, when the disc is played again, it will start from the beginning. In Resume mode, the Harman Kardon screen will appear, and the RESUME message will appear in the Information Display.

For DVDs, CDs, MP3 files, JPEG files and VCDs with PBC (Playback Control) only, the resume function will be retained even after the DMC 1000 has been placed in Standby mode by pressing the Standby/On Switch, but not after the unit has been unplugged from AC power.

The Resume function is not available while playing content from the Media Library.

Server: A server is a computer device with a large amount of storage that delivers content to other devices. The DMC 1000 may be accessed as a server from a home network when appropriate devices are connected. When placed in Server Mode, the DMC 1000 may still be used as a server, even though its four zones are inactive.

Title: For a DVD, a title is defined as an entire movie or program. There may be as many chapters within a title as the producers decide to include. Most discs include only one title, but some may have more than one, to give you a "Double Feature" presentation or to include other special features. Press the Title Button to see a listing of the titles on a disc. When a disc has only one title, pressing the Title Button may show a list of the chapters.

Zone: A zone is a section of a multizone system in which all loudspeakers in the zone play the same source program. By connecting the DMC 1000's audio outputs for a specific zone to a multichannel amplifier, you may include a number of loudspeakers in a variety of room locations within the zone. Example: A four-channel amplifier connected to the Zone 2 Outputs may power a pair of speakers in the living room and a stereo ceiling speaker in the connected dining room, so that you and your guests may enjoy the same program anywhere within the zone.

APPENDIX

Appendix – Default settings and worksheets

Table A1 – Media Library Setup Menu

Setting	Default	Your Settings
Auto Disc Insert Preferences	Play & Record	
Audio Encoding Quality	MP3 192kbps (Medium)	

Table A2 – DVD Player Setup Menu

Setting	Default	Your Settings
Preferred Subtitle Language	Off	
Preferred Audio Language	English	
Parental Control Level	Off	
Video Presentation Mode	Original	
Dynamic Range Compression	Off	
DVD Bass Management	Off	

Table A3 – Audio Setup Menu

Setting	Default	Your Settings
Speaker Setup	Front L & R: Large Surround L & R: Large Center: Large Subwoofer: Yes	Front L & R: Surround L & R: Center: Subwoofer:
Digital Audio Out Format	Compressed	
HDMI Audio Out	Auto	

Table A4 – Video Setup Menu

Setting	Default	Your Settings
Video Output	Depends on physical connections.	
Output Resolution	Depends on physical connections: Analog (composite or S-video): 480i Analog (component): 480p HDMI: Auto	

Table A5 – General Setup Menu

NOTE: These settings are not adjusted in normal use.

Setting	Purpose	Your Settings
Software Update	If a system software upgrade becomes available in the future, download it to a CD and follow the instructions here.	Not used.
Date & Time	Set system date and time after a reset.	Adjusted only after a reset.
System Information	Displays software version and hard-disc drive usage.	Not used.

Table A6 – Advanced Setup Menu

Setting	Purpose	Your Settings
Backup	Backs up hard-disc drive as a precaution.	After your custom installer transfers your music collection to the Media Library, he or she should back it up as a precaution.
Restore	In case the hard-disc drive is replaced, restores the Media Library from the last version that was backed up.	Keep your backup of the Media Library updated.
Reset Factory Defaults	System reset.	Use only as a last resort. Requires reconfiguring all system settings. The Media Library's contents are not affected.
Network	Displays network identification parameters.	Ethernet: IP Address: Subnet Mask: Gateway Address: DNS 1: DNS 2: Proxy Address: Proxy Port Number:
Language Selected	Sets system display language. Default is English.	
Format USB	Reformats a USB device, erasing all content.	Exercise extreme caution before using this command.

Table A7 – Power Modes

Power Mode	Indicator	Functionality	Front-Panel Power Control	Remote Control Power On	Remote Control Power Off
Full-Off Mode	Dim blue	System powered down	System boots and goes to Full-Power Mode	System boots and goes to Full-Power Mode	No action
Sleep Mode	Amber	Standby; unit is ready for quick turn-on	Full-Power Mode	Full-Power Mode	No action
Server Mode	Amber	Remote-zone and network control available; on-screen menus off	Full-Power Mode	Full-Power Mode	Sleep Mode
Full-Power	Bright blue	Operates normally	Single press → Server Mode Press and hold → Full-Off Mode	No action	Single press → Server Mode Press and hold → Full-Off Mode

APPENDIX

Table A8 – DVD Language Codes

The availability of specific languages for the main audio track or subtitles is dependent on the choices made by a disc's producer. You should always consult the disc's jacket for information on languages for any disc. In the case of some languages, you may be required to enter a code from the list below to access that language.

Language	Code	Language	Code	Language	Code	Language	Code
Abkhazian	6566	Georgian	7565	Maori	7773	Swahili	8387
Afar	6565	German	6869	Marathi	7782	Swedish	8386
Afrikaans	6570	Greek	6976	Moldavian	7779	Tagalog	8476
Albanian	8381	Greenlandic	7576	Mongolian	7778	Tajik	8471
Ameharic	6577	Guarani	7178	Naru	7865	Tamil	8465
Arabic	6582	Gujarati	7185	Nepali	7869	Tatar	8484
Armenian	7289	Hausa	7265	Norwegian	7879	Telugu	8469
Assamese	6583	Hebrew	7387	Occitan	7967	Thai	8472
Aymara	6588	Hindi	7273	Oriya	7982	Tibetan	6679
Azerbaijani	6590	Hungarian	7285	Oromo (Afan)	7977	Tigrinya	8473
Bashkir	6665	Icelandic	7383	Panjabi	8065	Tonga	8479
Basque	6985	Indonesian	7378	Pashto, Pushto	8083	Tsonga	8483
Bengali, Bangla	6678	Interlingua	7365	Persian	7065	Turkish	8482
Bhutani	6890	Interlingue	7369	Polish	8076	Turkmen	8475
Bihari	6672	Iunpiak	7375	Portuguese	8084	Twi	8487
Bislama	6673	Irish	7165	Quechua	8185	Ukrainian	8575
Breton	6682	Italian	7384	Rhaero-Romance	8277	Urdu	8582
Bulgarian	6671	Japanese	7465	Romanian	8279	Uzbek	8590
Burmese	7789	Javanese	7487	Russian	8285	Vietnamese	8673
Byelorussian	6669	Kannada	7578	Language	Code	Volapuk	8679
Cambodian	7577	Kashmiri	7583	Samoan	8377	Welsh	6789
Catalan	6765	Kazakh	7575	Sangho	8371	Wolof	8779
Chinese	9072	Kinyarwanda	8287	Sanskrit	8365	Xhosa	8872
Corsican	6779	Kirghiz	7589	Scots Gaelic	7168	Yiddish	7473
Croatian	7282	Kirundi	8278	Serbian	8382	Yoruba	8979
Czech	6783	Korean	7579	Serbo-Croatian	8372	Zulu	9085
Danish	6865	Kurdish	7585	Sesotho	8384		
Dutch	7876	Laothian	7679	Setswana	8478		
English	6978	Latin	7665	Shona	8378		
Esperanto	6979	Latvian, Lettish	7686	Sindhi	8368		
Estonian	6984	Lingala	7678	Singhalese	8373		
Faroese	7079	Lithuanian	7684	Siswati	8383		
Fiji	7074	Macedonian	7775	Slovak	8375		
Finnish	7073	Malagsy	7771	Slovenian	8376		
French	7082	Malay	7783	Somali	8379		
Frisian	7089	Malayalam	7776	Spanish	6983		
Galician	7176	Maltese	7784	Sundanese	8385		

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DMC 1000 TECHNICAL SPECIFICATIONS

Media Sources:

Disc Formats:	5" (12cm) or 3" (8cm) DVD-Video, standard-conforming DVD-R, DVD+R, DVD-RW, DVD+RW, VCD, CD, CD-R, CD-RW or MP3 discs
Region Code:	DVD-Video disc with Code 1 or 0 only
DVD Layers:	Single side/single layer, single side/dual layer, dual side/dual layer
Memory Cards:	Slot 1: Secure Digital (SD), xD-Picture Card, MultiMediaCard (MMC) and Memory Stick® (compatible with MagicGate®) cards; other card types may be used with a compatible adapter, but are not guaranteed to be recognized by the DMC 1000 Slot 2: CompactFlash® I (CF) cards, or cards using a CompactFlash I-compatible adapter Card capacity: up to 8GB
USB Port:	Up to USB 2.0-compatible hard-disc and flash drives Drive capacity: Up to 160GB
Audio Formats:	Linear PCM, MPEG, Windows Media® 9, Dolby® Digital
Still-Image Format:	JPEG
Video Signal System:	NTSC or PAL
HDMI™ Output:	Video: 480p, 720p, 1080p HDMI™ Version 1.1-compliant HDCP Version 1.1-compliant
Composite Video Output:	1V p-p/75 ohms, sync negative polarity
S-Video Output:	
Y/Luminance:	1V p-p/75 ohms, sync negative polarity
C/Chrominance:	0.286V p-p

Component Video Output:

Y:	1V p-p/75 ohms, sync negative polarity
Pr:	0.7V p-p/75 ohms
Pb:	0.7V p-p/75 ohms

Analog Audio Output:

2V RMS (1kHz, 0dB)

Frequency Response:

DVD (Linear PCM):	2Hz – 22kHz +0/–0.5dB (48kHz sampling) 2Hz – 44kHz +0/–1.5dB (96kHz sampling) 2Hz – 88kHz +0/–0.5dB (192kHz sampling)
CD:	2Hz – 20kHz +0/–0.5dB

Signal/Noise Ratio (SNR):

105dB (A-weighted)

Dynamic Range:

DVD:	100dB (18-bit)/105dB (20-bit)
CD/DVD:	96dB (16-bit)

THD/1kHz:

DVD/CD: 0.0025%

Wow & Flutter:

Below measurable limits

AC Power:

110–240V AC/50–60Hz

Power Consumption:

12 Watts (on/standby)/60 watts (max)

Dimensions (H x W x D):

4-1/16" x 17-1/8" x 15-15/16"
(103mm x 438mm x 405mm)

Weight:

19.1 lb (8.7kg)

Shipping Dimensions (H x W x D):

8" x 22" x 20"
(203mm x 559mm x 508mm)

Shipping Weight:

25.7 lb (11.7kg)

Depth measurement includes knobs, buttons and terminal connections. Height measurement includes feet and chassis.

All features and specifications are subject to change without notice.

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Part No. 25A08G-ODMCO-Q00