

Pioneer *sound.vision.soul*

DVD PLAYER

DVJ-X1



Operating Instructions



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.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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.

D1-4-2-3_En-A

NOTE: THE NO USER-SERVICEABLE PARTS COMPARTMENT WARNING IS LOCATED ON THE APPLIANCE BOTTOM.

WARNING

This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.

D3-4-2-1-3_A_En

When using this product follow the instructions written on the underside of the unit, which concern rated voltage, etc.

D3-4-2-2-4_En

WARNING: Handling the cord on this product or cords associated with accessories sold with the product will expose you to lead, a chemical known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm.

Wash hands after handling

D36-P4_En

CAUTION – PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION – POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

D2-4-4-1_EF

IMPORTANT NOTICE – THE SERIAL NUMBER FOR THIS EQUIPMENT IS LOCATED IN THE BOTTOM. PLEASE WRITE THIS SERIAL NUMBER ON YOUR ENCLOSED WARRANTY CARD AND KEEP IN A SECURE AREA. THIS IS FOR YOUR SECURITY.

D1-4-2-6-1_EnA

NOTE: 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. These 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 communications. However, there is no guarantee that 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.

D8-10-1-2_En

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

D8-10-2_En

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

D8-10-3a_En

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

D8-10-1-3_EF

CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD. D6-8-2-1_En

IMPORTANT SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the product is operated.

RETAIN INSTRUCTIONS — The safety and operating instructions should be retained for future reference.

HEED WARNINGS — All warnings on the product and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

CLEANING — The product should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids since they may corrode the cabinet.

ATTACHMENTS — Do not use attachments not recommended by the product manufacturer as they may cause hazards.

WATER AND MOISTURE — Do not use this product near water — for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

ACCESSORIES — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

CART — A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



VENTILATION — Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

POWER SOURCES — This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

LOCATION — The appliance should be installed in a stable location.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left un-used for a long period of time.

GROUNDING OR POLARIZATION

- If this product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other), it will fit into the outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

OUTDOOR ANTENNA GROUNDING — If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.

LIGHTNING — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

POWER LINES — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

OVERLOADING — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

OBJECT AND LIQUID ENTRY — Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

SERVICING — Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

DAMAGE REQUIRING SERVICE — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance — this indicates a need for service.

REPLACEMENT PARTS — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK — Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

WALL OR CEILING MOUNTING — The product should not be mounted to a wall or ceiling.

HEAT — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

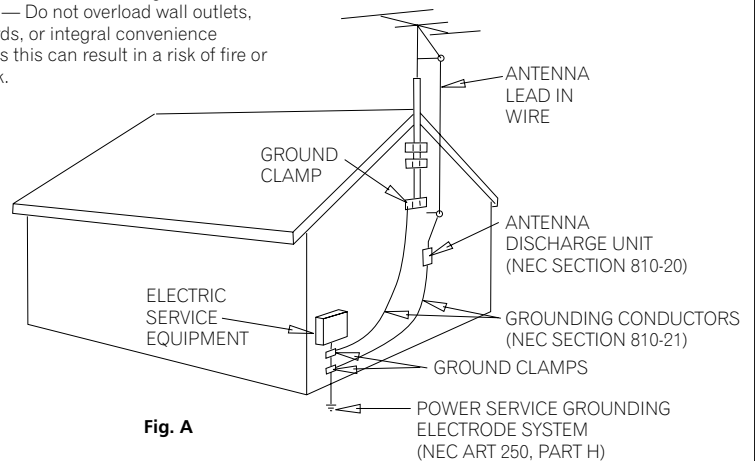


Fig. A

NEC — NATIONAL ELECTRICAL CODE

D1-4-2-2_En

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However the method of connecting and operating the unit is the same.

K015 En

Confirming Accessories

SD memory card	1
Operating Instructions	1
Video cable	1
Audio cable	1
Control cord	1
Power cord	1
Forcible eject pin (mounted on unit's bottom panel)	1
Warranty card	1



Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion-and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level Example

30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.



S001_En

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Features

This player has been designed to provide CD/DVD playback features and functions demanded by professional disco club DJs and VJs. It is a professional DVD player equipped with operational ease, sound quality, and functions superior to those found on the professional analog players conventionally used by DJs.

JOG DIAL

Large-diameter (206 mm) dial for operating sensitivity exceeding that possible with conventional analog turntables

- **PITCH BEND**

Changes playback pitch in proportion to the direction and speed of jog dial rotation.

- **SCRATCH PLAY**

In VINYL mode, when the top surface of the jog dial is touched, playback stops and starts in response to the direction and speed of jog dial rotation. The user can also adjust the sensitivity of start-up when the jog dial is touched and released, making possible new DJ techniques.

- **FRAME SEARCH**

When the jog dial is rotated during pause, the pause position is changed in units of individual frames (1/75th second).

- **SUPER FAST SEARCH**

When the jog dial is rotated while depressing the manual search button, track search button or title search button, the search will be performed more quickly than the conventional search or track search (or title/chapter search) functions.

- **HYPER JOG MODE**

In VINYL mode, when the jog dial is rotated, the amount of sound or image change corresponding to the dial rotation doubles. Performance possibilities are enhanced by employing this function together with the ordinary mode.

ON JOG DISPLAY

The center of the jog dial is furnished with a display providing variety of information, including disc status, cue point position, audio/video memory status, jog touch detect display, and VINYL mode.

WAVE DISPLAY

With an analog record, the user could look for the breaks in the grooves to use as mix points and end points. In the same way, the WAVE display reveals track breaks in advance, allowing the DJ to use them as break points.

CUE/LOOP MEMORY

Cue points and loop points can be recorded for each disc on the external SD memory cards, and called up later as desired.

HOT CUE

Up to 3 hot cue points (A, B, C) can be recorded in advance and called up later for instant playback from those points. Hot cues can be used not only to record normal cue points, but also for loop point playback.

REVERSE PLAY

By pulling the DIRECTION select switch toward the front (REV position), tracks can be played in reverse.

TEMPO CONTROL

High-performance 100mm slider for precise adjustment of track speed

Using a digital display with 0.02% increments (within control range $\pm 6\%$), the user can accurately match the tempos of playback tracks.

- **TEMPO CONTROL RANGE**

Four tempo control ranges are provided: $\pm 6\%$, $\pm 10\%$, $\pm 16\%$, and WIDE.

- **TEMPO CONTROL RESET**

This control allows tempo to be reset to the default 0% status instantly, regardless of the slider position.

- **MASTER TEMPO**

Allows pitch to be maintained while changing track speed.

CUE

- **BACK CUE**

By previously recording a cue point, it can be returned to instantly by pressing the CUE button during subsequent playback, thus starting playback again from that point.

- **AUTO CUE**

This function cues a track by skipping the non-recorded portion before the beginning of music, setting the player to standby mode immediately before music begins. In this way, playback can begin instantly when the PLAY/PAUSE (▶/||) button is pressed.

- **CUE POINT SAMPLER**

This function allows one-touch playback from the cue points stored in memory, a convenient function for confirming cue points and sampling the points stored.

REAL TIME SEAMLESS LOOP

Allows simple setting and canceling of playback loops. Loops can be set quickly during track playback; also allows quick setting of a loop immediately before the end of a track, thus preventing the track from ending. Finally, an ADJUST mode has been added to allow one-touch changing of loop-out points.

RELOOP

Once set, a loop can be returned to any number of times

After canceling loop play, pressing the RELOOP/EXIT button causes playback to return and begin again from the previously set loop. Turning the function ON/OFF in time with the track's rhythm allows a variety of new performance possibilities.

EMERGENCY LOOP

When the EMERGENCY LOOP button is pressed, the point at which the button is pressed is set as a loop-in point, and a loop-out point is set automatically 4 beats later, and automatic loop play is performed (**4-Beat Loop**).

1-TRACK LOOP

When the EMERGENCY LOOP button is held depressed for one second or more, the chapter loop or track loop function is enabled.

PLAYING ADDRESS

With an analog record, the position of the stylus gives the operator an immediate grasp of the progress of playback. In the same way, the play address display shows a bar graph that provides an immediate visual grasp of the track's playback progress. The current position in the track is indicated by the length of the bar; in addition, the bar flashes to warn that playback is approaching the end of the track.

FADER START

When the player is connected to a DJ mixer (DJM-600, DJM-300, DJM-909, DJM-707, DJM-500 or DJM-3000 (all sold separately)), the mixer's fader operation can be used to perform quick start and back cue.

MULTI READ

Discs readable on this player include CD-R/CD-RW (recorded in audio CD format or MP3), and DVD-R/DVD-RW (recorded in video format). However, since this player uses high-speed data read for the purposes of its DJ operations, some discs may not play back properly depending on the characteristics of the disc and the recorder, as well as a result of dirt or scratches on the disc, etc.

PREVIEW MONITOR OUTPUT

This is an auxiliary video output that produces an overlay display of operating information on the main video output screen, and provides the DJ with a visual aids when operating the unit. During use of DVD play, cue points, loop points, and hot cue points are displayed on a small screen overlain on the main output, making possible interactive DJ operations.

PROGRESSIVE OUTPUT

This player is equipped with a progressive scan output connector which supports video signals with 525p frequency (component output connector). When connected to a television monitor equipped with a component video input connector for progressive scan (525p), high definition images will be output, with twice the data produced by conventional interlaced scan televisions.

LEGATO PRO

The player is equipped with a digital filter that uses up-sampling technology (DVD: 48 kHz → 192 kHz; CD: 44.1 kHz → 176.4 kHz) for reproducing audio information lost in some disc (DVD, CD) formats.

HI-BIT

This function extends the bit length of audio data. By transforming 16-bit or 20-bit data to 24-bits, even minute signals can be reproduced with smooth, finely defined sound.

DIGITAL AUDIO OUT

96 kHz 24-bit digital audio output is supported in DJ mode as well as NORMAL mode.

About DVD playback in DJ mode

Since various special operations are supported in **DJ** mode, certain limitations are placed on normal playback functions such as SCAN. For this reason, operations which are possible in the **NORMAL** mode may be limited or disabled when attempted in **DJ** mode. In short, if you wish to use all ordinary DVD play functions, use the **NORMAL** mode.

Limited or disabled functions (when in DJ mode)

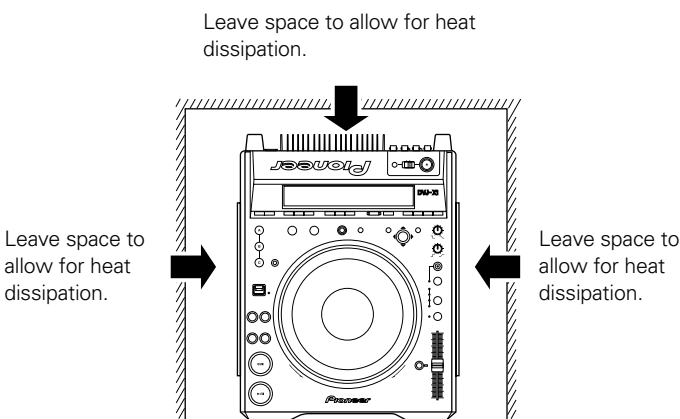
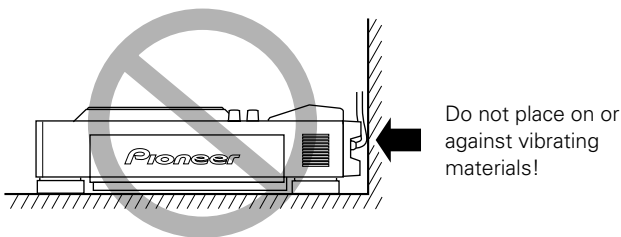
- Cannot play sub-pictures (can't display subtitles or onscreen buttons)
- Cannot use password input command (when using interactive commands, the same operations may not produce the same results as when in **NORMAL** mode).
- May only play midway through titles.
- May skip certain parts of titles.
- Playback may be temporarily interrupted when switching audio functions.
- Playback may be temporarily interrupted when changing viewing angle.
- Cannot use pan-and-scan function.
- The title itself may disallow use of DJ operations. In this case, DJ operations are prohibited, and the same operations are performed as when in **NORMAL** mode.

Handling Precautions

Installation location

- Placing and using the player for long periods on heat-generating sources such as amplifiers or near spotlights, etc. will affect product performance. Avoid placing the player on heat-generating sources.
- Install this player as far as possible away from tuners and TV sets. The player installed in close proximity to such equipment may cause noise or degradation of the picture. Noise may be noticeable when an indoor antenna is used. In such cases, make use of an outdoor antenna or turn off power to the player.
- When the unit is used in a loud-sound environment, e.g., near a speaker, sound skip may occur. Install the unit away from the speaker or reduce the listening volume.
- Place this unit on a level surface and a stable platform. Take adequate note of the following precautions when preparing a place for installation:

Be sure the player, including its video, audio and power supply cords, does not touch vibrating materials. Any vibration other than that transmitted through the insulators may cause the disc to skip. Take special care when using the player while it is installed in a carrying case.



Moving the unit

■ Never move the unit during playback!

During playback, a disc rotates at very high speed; moving the player during playback may result in scratches or other damage to the disc.

■ When moving the unit is necessary

Before moving the unit, remove any disc and disconnect the power. Malfunctions or damage may result if the unit is moved with a disc loaded.

About the carrying case

The upper surface of the jog dial is equipped with a touch-sensitive switch. When placing the player in its carrying case, avoid placing any pressure on the jog dial.

Condensation

When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside the unit and impair its performance. In such cases, allow the unit to stand for about an hour or raise the room temperature gradually.

Cleaning the player

To clean the player wipe with a polishing or a soft, dry cloth. For stubborn dirt, moisten a soft cloth with a weak solution of neutral detergent (diluted in five to six parts water), wring the cloth well, and wipe away the dirt. Use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene or thinner which will damage the unit.

About the lens cleaner

The player's pickup lens should not become dirty in normal use. If for some reason, the lens becomes soiled and malfunctions, contact your nearest PIONEER authorized service center. Lens cleaners for DVD (CD) players are commercially available, but special care should be exercised in their use as some may cause damage to the lens.

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

S002_En

Regarding data recorded on memory cards

It is the users responsibility to make regular backups of important memory card data. Pioneer disclaims any responsibility for damage to or loss of memory card data, or other incidental damages arising from incompatibilities of the player and memory card, static electricity or other external causes.

Lawful use of DVJ-X1: Copyright etc









Neither Pioneer nor its dealers are responsible for the use made of the DVJ-X1. The user must ensure it has all relevant licences and consents in place (whether for copyright/public performance, performers rights, moral rights or otherwise) to allow the lawful use of the DVJ-X1.

This is likely to include licences from organisations administering performance rights in audio or video recordings or consents from any other relevant rights holders.

Discs Usable with This Unit

Types of discs playable on this unit

- This unit is designed to support NTSC video format; discs or their packaging should include messages indicating that they are compatible with the NTSC format.
- The following marks and logos are displayed on disc labels, packaging, or jackets.

Types and Logos of playable discs			
DVD video			
			
DVD-R (Note 1)		DVD-RW (Note 2)	
			
CD	CD-TEXT (Note 3)	CD-R (Note 4)	CD-RW (Note 4)
			

Note 1) About DVD-R disc playback:

This player can play back DVD-R discs recorded in "DVD video" format.

Note 2) About DVD-RW disc playback:

- This player can play back DVD-RW discs recorded in "DVD video" format.
- When playing a disc that has been edited on a DVD recorder, portions of the recording including links between tracks may appear as a momentary still image.
- When playing a disc that has been recorded or edited on a DVD recorder, the locations of edited portions may shift somewhat.

* For details, consult the Operating Instructions for your recorder.

Note 3) Regarding CD-TEXT display:

The number of characters that can be displayed is up to 72 for disc title, and 48 for track titles. When a display exceeds 8 characters in length, the display will scroll. Only alpha-numeric and a limited number of symbols can be displayed.

Note 4) CD-R/CD-RW discs:

This player supports playback of CD-R/CD-RW discs recorded in audio CD format or MP3.

* For details, consult the Operating Instructions for your recorder.

When playing 8cm CDs, always use an 8cm CD adapter (P. 35).

Note:

This player does not support playback of 8 cm DVDs. Do not attempt to use adapters meant for 8 cm CDs, since the adapter may come loose during rotation, causing damage to the disc or component.

■ The following discs cannot be played on this unit:

- DVD video discs not marketed for region "1" or "All"
- DVD-R or DVD-RW discs recorded in VR format
- DVD audio discs
- DVD-ROM
- DVD-RAM
- Video CDs
- CD-ROM discs containing no MP3 files
- Photo CD
- DTS-CD, etc.

Notes:

- Some DVD-R/DVD-RW and CD-R/CD-RW discs recorded on standalone recorders or computer drives may not be playable back on this player, due to a variety of reasons, including disc characteristics, scratches, dirt, player lens dirt or condensation, etc.
- Some discs recorded on computer drives may not be playable on this player, depending on the recording application used, its settings, and operating environment. Be sure to use the correct formatting for the discs used. For details, consult the application author.
- This unit cannot play DVD-R or DVD-RW discs recorded in video format unless they have been finalized.
- This unit cannot play DVD-R/DVD-RW discs recorded in VR format.
- This unit cannot play partially recorded CD-R or CD-RW discs that have not been finalized.
- For detailed information regarding the handling of DVD-R/DVD-RW and CD-R/CD-RW discs, consult the handling precautions supplied with each disc.

■ About DualDisc playback

A DualDisc is a new two-sided disc, one side of which contains DVD content – video, audio, etc. – while the other side contains non-DVD content such as digital audio material.

The non-DVD, audio side of the disc is not compliant with the CD Audio specification and therefore may not play.

The DVD side of a DualDisc plays in this product.

DVD-Audio content will not play.

For more detailed information on the DualDisc specification, please refer to the disc manufacturer or disc retailer.




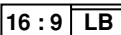


■ Regarding DVD-R/RW, CD-R/RW discs

Due to the unique construction of DVD-R/RW and CD-R/RW discs, leaving them for extended periods of time in the pause (or cue standby) mode at a single point may result in the discs' becoming difficult to play at that place. The same symptom may also occur if the loop function is used to play back a single point on the disc excessively.



As a result, users are advised to construct backup archive discs when playing discs containing important data.

Marks displayed on DVD

The following symbols and marks may be displayed on DVD labels or packaging:

Mark	Meaning
	Number of recorded audio tracks
	Number of recorded subtitles
	Number of recorded angles
	Recorded aspect ratio
 	Region number. This player can play discs marked with region "1" or "ALL".

DVD operating limitations

Some DVDs are designed explicitly to prevent the use of certain operations or to prevent changing operation methods. As a result, the methods used to operate each disc may vary, and some techniques may not be usable with certain discs. In the event that a prohibited technique is attempted with a disc on this player, the display will show the disc operation prohibited mark . Also, certain other operations may not be supported on discs that support menus or dialogue-type operations during playback. In such cases, the player operation prohibited mark  will be displayed.

Regarding copyright

- Unauthorized copying, broadcasting, public performance, or rental of copyrighted discs is prohibited by law.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Playing MP3 files

MP3 files must follow the format requirements listed below.

MP3 format	MPEG-1	Supports Audio Layer-3 sampling frequency 32 kHz, 44.1 kHz, 48 kHz, Bit Rate 32 Kbps – 320 Kbps.
	MPEG-2	Supports Audio Layer-3 sampling frequency 16 kHz, 22.05 kHz, 24 kHz, Bit Rate 16 Kbps (stereo) – 160 Kbps.
	ID3 tag	Displays title, artist, album.
Disc format	File extension	.mp3, .MP3, .mP3, .Mp3
	Folder levels	Maximum of 8 folders. Files located in folders exceeding 8 levels cannot be played.
	Maximum number of folders	99 (99 folders + 1 root)
	Maximum number of files	999 (per folder)
	Multi-session	Does not support multi-session. When the disc used is a multi-session disc, only the first session will be played.
	CD-R recording method	Record following the ISO9660 CD-ROM file system. Supports only Disc At Once or Track At Once. DVJ-X1 does not support Packet Write recorded discs.

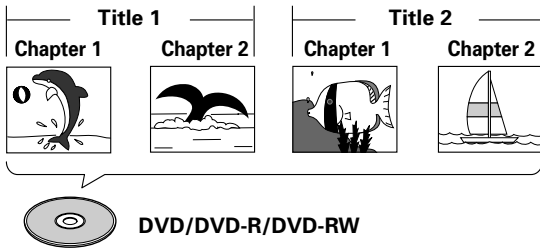
* DVJ-X1 is not equipped with a File Sort function; tracks will be played in the order in which they were recorded.

* Plays MP3 files stored on CD-ROM. Cannot play MP3 files stored on DVD-ROM, SD memory cards or Multimedia cards (MMC).

Disc composition

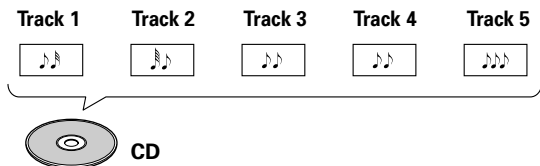
Digital Versatile Discs (DVD)

DVD video, DVD-R or DVD-RW discs are recorded in units called "titles," with each title being divided into one or more sub-divisions called "chapters." Further, some discs are furnished with menus for navigating the disc, but menus may not be included with all titles. In the case of commercial films, a single movie normally corresponds to a single title. On so-called "karaoke" discs, each song track composes a single title, although there are some exceptions to this rule, so care is needed when using search functions.



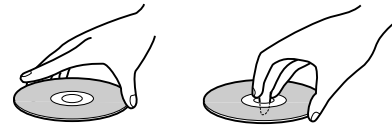
Compact Discs (CD)

In the case of compact discs, each disc is divided into units of individual tracks (normally, each song is contained on a single track). In addition, tracks may have sub-divisions called index numbers.

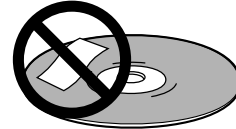


Handling discs

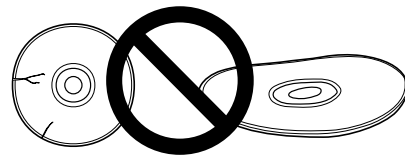
- When holding discs, do not touch their signal surfaces. Hold by the edges, or by one edge and the center hole.



- Do not affix gummed labels or tape to the disc surface. Also, do not scratch or damage the label.

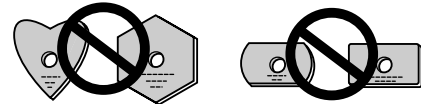


- Discs rotate at high speeds inside the player. Do not use damaged, cracked or warped discs.



- Do not play a disc with a special shape

- Do not play a disc having other shape than a circular disc, such as heart shaped disc. Otherwise malfunction may occur.

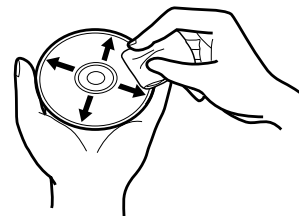


- Storing discs

- Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp. Always store discs in their cases vertically, avoiding locations with high heat, humidity, or extremely low temperatures. Avoid leaving discs in cars; the interior of a car in direct sunlight can become extremely hot.
- Always read and abide by the precautionary notes listed on disc labels.

- Cleaning discs

- Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer edge.
- When cleaning discs, the use of a commercial CD/DVD cleaning kit is recommended.

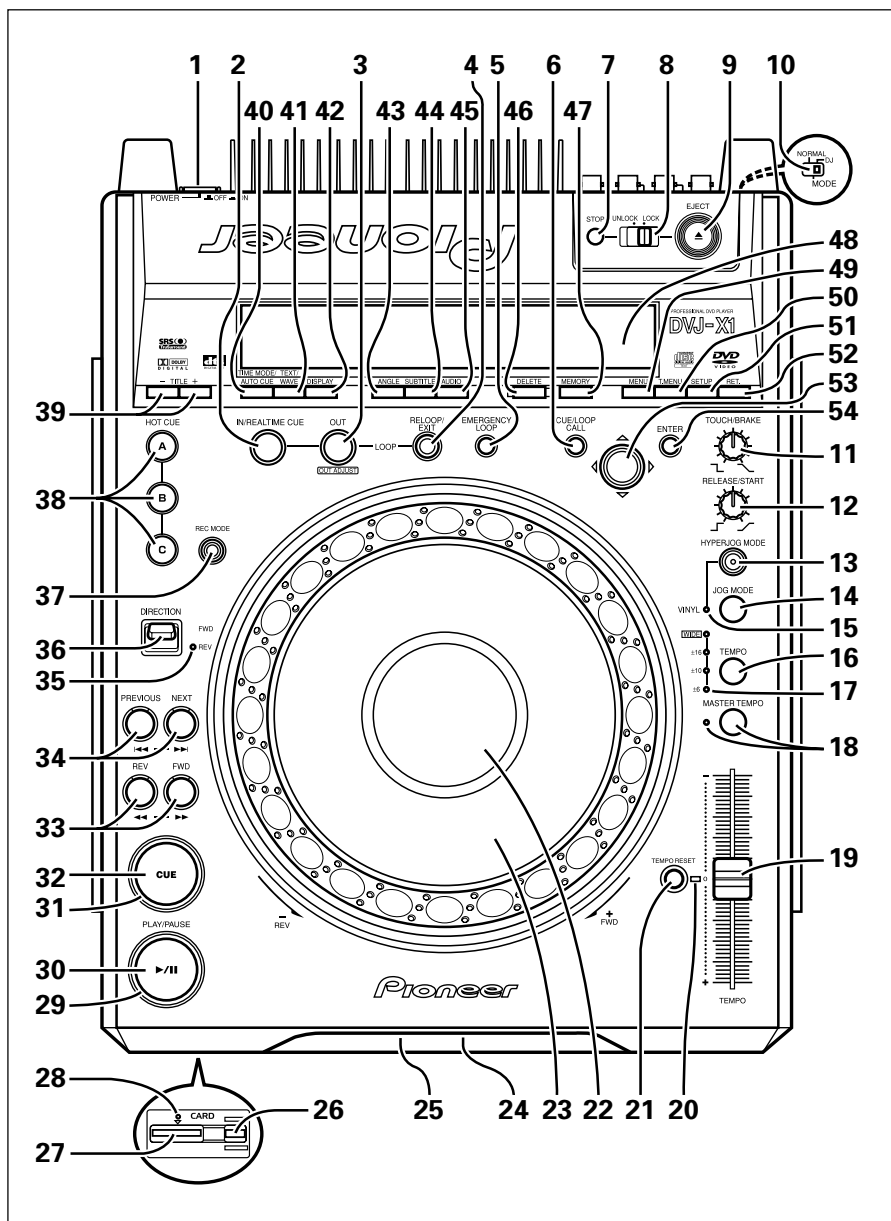


- If a disc becomes very dirty, dampen a soft cloth with water, (be sure to wring it out well) and wipe the away dirt gently. Remove any water drops with another soft, dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Never clean discs with benzene, thinner, or other volatile solvents or damage to the disc surface may result.

Names and Functions of Parts

Operation panel

Buttons and controls with the **DJ** mark are disabled when the mode select switch is set to **NORMAL**.
Buttons and controls with the **NORMAL** mark are disabled when the mode select switch is set to **DJ**.



1. POWER OFF (■)/ON (▲) switch

Located on the rear panel.

2. LOOP IN/REALTIME CUE button/indicator **DJ**

Real time cue [P.40](#)
Loop-in point input [P.43](#)

3. LOOP OUT/OUT ADJUST button/indicator **DJ**

Loop-out point input [P.43](#)
Loop-out point adjust [P.43](#)

4. RELOOP/EXIT button **DJ** [P.43](#)

5. EMERGENCY LOOP button **DJ** [P.43](#)

• 4-Beat Loop

When this button is pressed, the current point is set as the loop-in point, and a loop-out point is automatically set 4 beats later; loop play is then initiated between the two points.

• 1-Track Loop

When this button is held depressed for 1 second or more, the chapter loop or track loop function is enabled.

6. CUE/LOOP CALL button **DJ** [P.47](#)

Press to turn cue point navigation mode ON/OFF.

7. STOP button

Stops disc playback. When the eject/stop mode select switch is set to LOCK, playback will not stop unless the PAUSE mode is set first.

8. Eject/stop mode select switch (UNLOCK/LOCK)

UNLOCK: If the **EJECT** (▲) button is pressed during playback, the disc stops and is ejected. If the **STOP** button is pressed during playback, the disc playback stops.

LOCK: If the **EJECT** (▲) button is pressed during playback, the disc will not be ejected. To eject the disc, set the unit to pause, then press the **EJECT** (▲) button. Likewise, playback will not stop if the **STOP** button is pressed during playback; to stop disc playback, set the unit to pause, then press the **STOP** button.

9. EJECT (▲) button

When this button is pressed, disc rotation stops and the disc is ejected from the loading slot. If the eject/stop mode select switch is set to the LOCK position, the disc will not be ejected unless the unit is set to pause before pressing the **EJECT** (▲) button ([P.35](#)).

10. Mode select switch (MODE NORMAL/DJ) [P.15](#)

Located on the rear panel.

11. TOUCH/BRAKE response dial **DJ**

Adjusts the disc deceleration speed (time to playback stop) when the jog dial's top surface is touched with jog mode set to VINYL ON. Rotate the dial counterclockwise to stop playback quickly, and rotate dial clockwise to cause slower deceleration.

12. RELEASE/START response dial **DJ**

Adjusts the disc acceleration speed (playback startup time) when the jog dial's top surface is released with jog mode set to VINYL ON. Rotate the dial counterclockwise to restart playback quickly, and rotate dial clockwise to cause slower acceleration.

13. HYPERJOG MODE button/indicator **DJ**

When hyper jog mode is set to ON with jog mode set to VINYL ON, turning the jog dial causes the rate of change of image and sound to increase to 2x the rate of changed normally produced (when the hyper jog mode is OFF).

14. JOG MODE select button **DJ**

Each time pressed, sets VINYL mode alternately ON/OFF.

VINYL mode ON: If surface of jog dial is touched during playback, playback stops, and if the dial is then rotated, image and sound are output in response to the amount of rotation. (if the angled surface of the jog dial is rotated without touching the top, pitch bend operation is enabled.)

- The current jog mode is memorized even when power is turned off.

VINYL mode OFF: The above operations are disabled even when the jog dial's surface is touched.

15. VINYL mode indicator **DJ**

Lights when the jog mode is set to VINYL mode.

16. TEMPO control range select button **DJ**

Each time this button is pressed, the **TEMPO** control slider's variable range changes (±6%, ±10%, ±16%, WIDE).

When WIDE is selected, the variable range during DVD and MP3 playback is set to +70 to -100%, and during CD playback, +/-100%.

17. TEMPO control range indicator (±6, ±10, ±16, WIDE) 

- When control range is set to ±6%, the ±6 indicator lights.
- When control range is set to ±10%, the ±6 and ±10 indicators light.
- When control range is set to ±16%, the ±6, ±10 and ±16 indicators light.
- When control range is set to WIDE, the ±6, ±10, ±16 and WIDE indicators light.

18. MASTER TEMPO button/indicator  

Each time this button is pressed, the master tempo function turns alternately ON/OFF.

19. TEMPO control slider 



When pulled forward (+), playback tempo is accelerated, and when pushed away (-), tempo is slowed.

20. TEMPO RESET indicator 

When lighted, indicates that the playback tempo is set to normal tempo "0", regardless of the position of the TEMPO control slider.

21. TEMPO RESET button 

Pressing this button instantly resets the playback tempo to "0" (normal tempo), regardless of the current position of the TEMPO control slider. Press the button once again to cancel the reset.

22. Jog dial display  (30-34)**23. Jog dial (FWD+/REV-)  ****24. Disc loading slot ****25. Forced eject hole ****26. Memory card eject button **

Press to remove memory card.

- Do not press when the memory card indicator is lighted.

27. Memory card slot **28. Memory CARD indicator **

Lights when unit is accessing the memory card.


- Do not remove memory card or turn off power when this indicator is lighted.

29. PLAY/PAUSE indicator


Lights during playback, and flashes during pause mode.


30. PLAY/PAUSE (▶/||) button  **31. CUE indicator  **

Lights to indicate a cue point has been set. Flashes during pause mode.

32. CUE button 

Cue point setting 

Back cue 

Cue point sampler 

33. Manual search buttons (REV◀◀, FWD▶▶) **34. Track search buttons**

(PREVIOUS ◀◀, NEXT ▶▶) 

Use to return/advance playback by track (during CD, MP3) or chapter (during DVD).

During DVD playback, use to return to menu page or change page.

35. REV indicator 

Lights when direction select switch is set to reverse.

36. DIRECTION FWD/REV select switch 

Set to REV position for reverse playback.


37. HOT CUE REC MODE button  

Press to select the HOT CUE button's function (record/call).

- Defaults to call mode when power is switched on.

38. HOT CUE (A, B, C) buttons/indicators  

A, B, or C indicator lights red to indicate hot cue point record mode. A, B, or C indicator lights green for hot cue point, and orange for hot cue point; when an indicator is lighted, call mode is enabled for that point; pressing the button initiates playback from the hot cue point. When indicator is not lighted, no hot cue point is recorded.

39. Title search buttons (TITLE +/-) 

During DVD playback, titles are forwarded or reversed in the direction corresponding to the button pressed.

During MP3 playback, goes in designated direction for folders in layered CD-ROM.


40. TIME MODE/AUTO CUE button **TIME MODE:**

Each time the button is pressed, the time display switches alternately between playback elapsed time and remaining time (REMAIN). In the case of MP3, the remaining playtime (REMAIN) may not immediately be displayed, depending on the file.

- The time mode remains set in memory even when power is turned off.

AUTO CUE:

Hold depressed for one second or more to set/release the auto cue function.

Hold depressed for five seconds or more to switch the auto cue level .

- The auto cue ON/OFF setting and auto cue level remains set in memory even when power is turned off.

41. TEXT/WAVE select button

When this button is pressed in DJ mode, the display alternates between WAVE display and CD-TEXT (or MP3) disc title/track title display.

When this button is pressed in NORMAL mode, the display alternates between disc title and track title (for CD-TEXT or MP3).

In the case of MP3, the WAVE display may not be displayed, depending on the file.

42. DISPLAY button 

When pressed in DJ mode, turns the hot cue, cue point, and playback time guide display ON/OFF on the monitor connected to the preview video output connector.

When pressed in NORMAL mode, turns the disc information guide display ON/OFF.

- When power is switched ON, the display function defaults to ON when the unit is in the DJ mode, and OFF (no display) in the NORMAL mode.

43. ANGLE button

Press to change the viewing angle during DVD playback (on supported discs only).

- In DJ mode, when the angle is changed both video and audio playback temporarily stop (due to writing to buffer memory).

44. SUBTITLE button 



During DVD playback, press to alternately turn subtitle display ON/OFF (on supported discs only).

- This function is disabled in DJ mode.

45. AUDIO button

During DVD playback, press this button to change language or audio channel (on supported discs only).

- In DJ mode, when the language/audio channel is changed, both video and audio playback temporarily stop (due to writing to buffer memory).

46. DELETE button  


Press to delete cue points and loop points recorded in SD memory card.

47. MEMORY button  

Press to store cue points or loop points in SD memory card.


48. Display  (1-29)**49. MENU button**

Press to display DVD menu.

Also, during MP3 playback, displays MP3 navigator screen. 

50. Top menu (T.MENU) button

Press to display a DVD's top menu level.

51. SETUP button 

Press to display the setup menu.

52. Return (RET.) button

When setup or other menus are displayed, press this button to return to the previous menu or item.

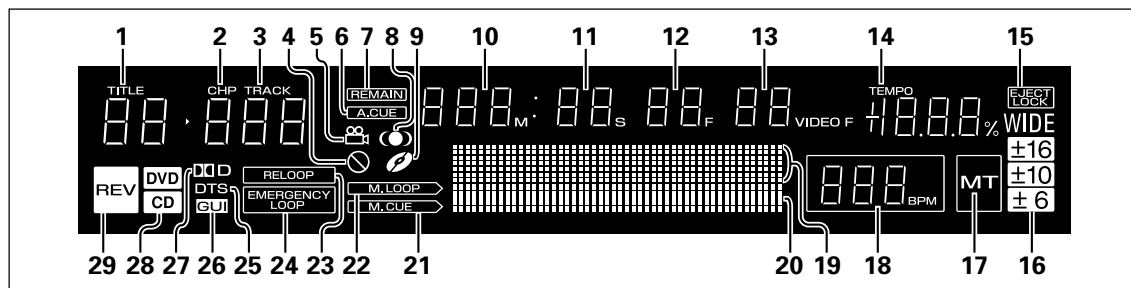
53. Cursor button (◀/▶/▲/▼)

This button is used for cue point navigation; during MP3 playback, functions for performing selections with MP3 navigator, and for making various DVD settings.

54. ENTER button

This button is used for cue point navigation; during MP3 playback, functions for performing selections with MP3 navigator, and for making various DVD settings.

Display



1. Title number (TITLE 00-99)

Indicates the DVD title number.
During MP3 playback, displays folder number.
Not displayed during CD playback.

2. Chapter number (CHP 000-999)

Indicates the DVD chapter number.
During CD/MP3 playback, "CHP" does not appear.

3. Track number (TRACK 00-99/000-999 (MP3))

Indicates CD or MP3 track number.
"TRACK" is not displayed during DVD playback.

4. Prohibited indicator (⊘)

Some DVD discs or players do not support certain functions or operations; if an effort is made to perform such operations, this indicator appears for about 2 seconds.

5. Angle indicator (⌂)

During DVD playback, this mark appears to indicate a scene with variable angle.

6. Auto cue (A.CUE) indicator

Lights when auto cue is ON. Does not light during NORMAL mode.

7. Remaining time (REMAIN) indicator

Indicates that the current numerical display is of a track's remaining time.

8. SRS indicator (●)

Lights when TruSurround function is selected. This function is disabled in DJ mode.

9. Disc indicator (⌂)

Lights when showing CD TEXT or MP3 disc title display.

10. Minutes display (000-999 M)

11. Seconds display (00-59 S)

12. Frame display (00-74 F)

Display audio frame numbers. 75 frames are equivalent to one second of normal play. Not displayed in NORMAL mode.

13. Video frame display (00-29 VIDEO F)

Lights during DVD playback in DJ mode. 30 frames are equivalent to one second. Video frame display does not appear during CD playback and in NORMAL mode.

Since this unit controls video frames (1/30 second) based on the audio frame (1/75 second), combining the two will result in a maximum deviation of 1 frame.

14. TEMPO indicator

Displays tempo variation produced when TEMPO control slider is operated.

15. EJECT LOCK indicator

Lights when eject/stop mode select switch is set to LOCK position. If the EJECT (▲) button or STOP button is pressed when this indicator is lighted, the indicator will flash for about 2 seconds.

16. Tempo control range display (±6, ±10, ±16, WIDE)

Lights to indicate the TEMPO control slider's variable range as selected with the tempo control range select button. Does not light in NORMAL mode.

17. Master tempo indicator (MT)

Lights when master tempo function is ON.
Does not light in NORMAL mode.

18. BPM counter display

Lights to indicate the beats per minute (BPM) of the currently playing track. Some tracks may not be measurable with the automatic BPM counter.
Does not light in NORMAL mode.

19. Dot matrix display (50x7 dots)

Used for displaying various items, including TEXT, WAVE, guide, etc. During CD TEXT display, shows up to 72 characters for disc title or up to 48 characters for track title; for MP3, displays up to 48 characters (display scrolls when 9 or more characters are to be shown). In the case of WAVE display, the varying volume levels of the currently playing track are displayed, with the track sized to fit into the entire 50-dot display width.
For guide messages, see P.53 "Dot Matrix Guide Display Messages".

20. Play address display

Displays a bar graph to allow an immediate visual grasp of the elapsed and remaining playing time of the currently playing track. The full scale bar length indicates the full track length.

- The bar graph is off at the beginning of the track, and lights from left to right.
- The bar graph is lighted at the beginning of the track, and goes out from left to right.
- When the remaining playing time falls below 30 seconds, the bar graph flashes slowly; when less than 15 seconds are left, the bar graph flashes quickly.

21. Cue memory indicator (M.CUE)

The selected chapter or track's cue memory position is indicated by the indicators beneath the play address display. Even if multiple memory points are located within the same block, only a single indicator lights. Does not light in NORMAL mode.

22. Loop memory indicator (M.LOOP)

Displays the loop memory position for the selected track immediately above the playback address display. Even if multiple memory points are located within the same block, only a single indicator lights. Does not light in NORMAL mode.

23. RELOOP indicator

Lights when loop-in points and loop-out points have been recorded and loop playback is possible, as well as during loop play operation itself.

Does not light in NORMAL mode.

24. EMERGENCY LOOP indicator

Lights during loop operation in emergency loop mode.
Does not light in NORMAL mode.

25. DTS indicator

Lights during playback when DTS audio has been selected.
Not supported in DJ mode.

26. GUI indicator

Lights when setup menu, image adjust, disc information and other onscreen menus are displayed.

27. Dolby Digital indicator (DD D)

Lights during playback when Dolby Digital audio has been selected.

28. Disc type indicator (DVD/CD)

Lights to indicate the type of disc being played.

29. Reverse indicator (REV)

Lights to indicate the Direction select switch is set to reverse (REV) position.
Does not light in NORMAL mode.

Jog dial display

30. Operation display

Displays play position, with one revolution equivalent to 135 frames. The display rotates during playback, and stops during pause.

31. Cue point position display

Displays the position of cue points.

32. Audio/video memory status display

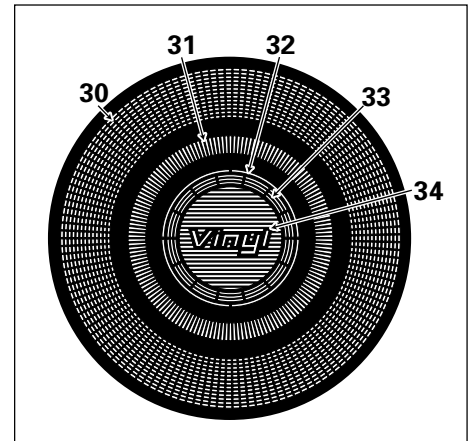
Flashes during writing to the audio/video memory; lights steadily when writing is completed. While indicator is flashing, it may not be possible to record real time cue points or hot cue points.

33. Jog touch detector indicator

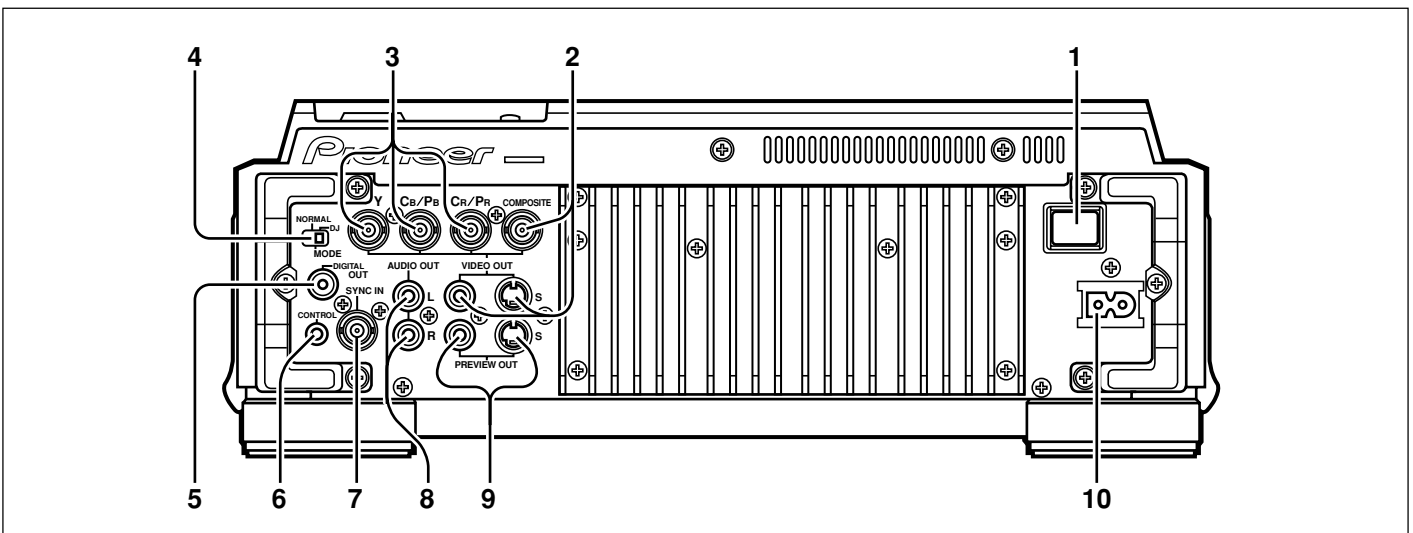
When VINYL mode is set to ON, this indicator lights when the top panel of the jog dial is touched.

34. VINYL mode indicator (Vinyl)

Lights when VINYL mode is set to ON.



Rear panel



1. POWER OFF (■)/ON (▬) switch

2. Main video output connectors (VIDEO OUT)

Includes RCA and BNC type connectors for outputting DVD playback video only (composite signals), as well as S-Video output connector.

3. Component video output connectors (Y, Cb/Pb, Cr/Pr)

BNC type connectors for component signal output of DVD playback video only. Produces higher image quality than composite output.

4. Mode select switch (MODE NORMAL/DJ) (☞ P.18)

If this switch position is changed during playback, playback will stop, and then resume playback from the disc's beginning.

DJ: For jog dial, tempo variation and other DJ operations. During DVD playback, subtitles and some other functions, operations, or playback points may not be supported.

NORMAL: DJ functions are not supported. Pause mode is silent, not audible. During DVD playback, selected audio signals are output from the digital output connectors. During CD playback, digital data containing subcodes are output (does not support CD graphics).

5. DIGITAL OUT connector

RCA type coaxial digital output, for connecting AV amplifier, Dolby Digital/DTS decoder, CD recorder, etc.

When **mode select switch (4)** is set to "**DJ**", during DVD playback the unit outputs 2-channel linear PCM digital data, regardless of the selected audio signal format. During CD playback, the unit outputs only audio data that do not include subcodes.

When **mode select switch (4)** is set to "**NORMAL**", during DVD playback the unit outputs digital data in the audio signal format selected. During CD playback, the unit outputs digital data including subcodes.

6. CONTROL connector

Using the supplied accessory control cord, this connector can be connected to a Pioneer DJ mixer (DJM-600, DJM-500, DJM-300, DJM-909, DJM-707 or DJM-3000) to allow control of this unit from the DJ mixer. This facilitates the use of functions such as fader start play and back cue.

Alternately, linking this connector to another DJ player allows automatic relay play (☞ P.44).

7. SYNC IN connector

BNC type input connector for inputting external sync signal. Use to connect optional dedicated sync signal generator.

8. AUDIO OUT L,R connectors

RCA type analog audio output connectors.

9. Preview video output connectors (PREVIEW OUT)

RCA type connector (composite signals) and S-Video output connector. These connectors output monitor images used to aid the DJ during operation. Outputs various guide messages and displays (☞ P.16).

10. AC inlet

Use auxiliary power cord to connect to standard electrical outlet.

Playing images from the DVJ-X1 on a television set

★ The example shown here is an illustration meant to depict the general display contents, and may differ somewhat from actual monitor appearance.

This unit is equipped with both main video output (**VIDEO OUT**) and preview video output (**PREVIEW OUT**) connectors.

In **NORMAL** mode, both **VIDEO OUT** and **PREVIEW OUT** produce the same video signals.

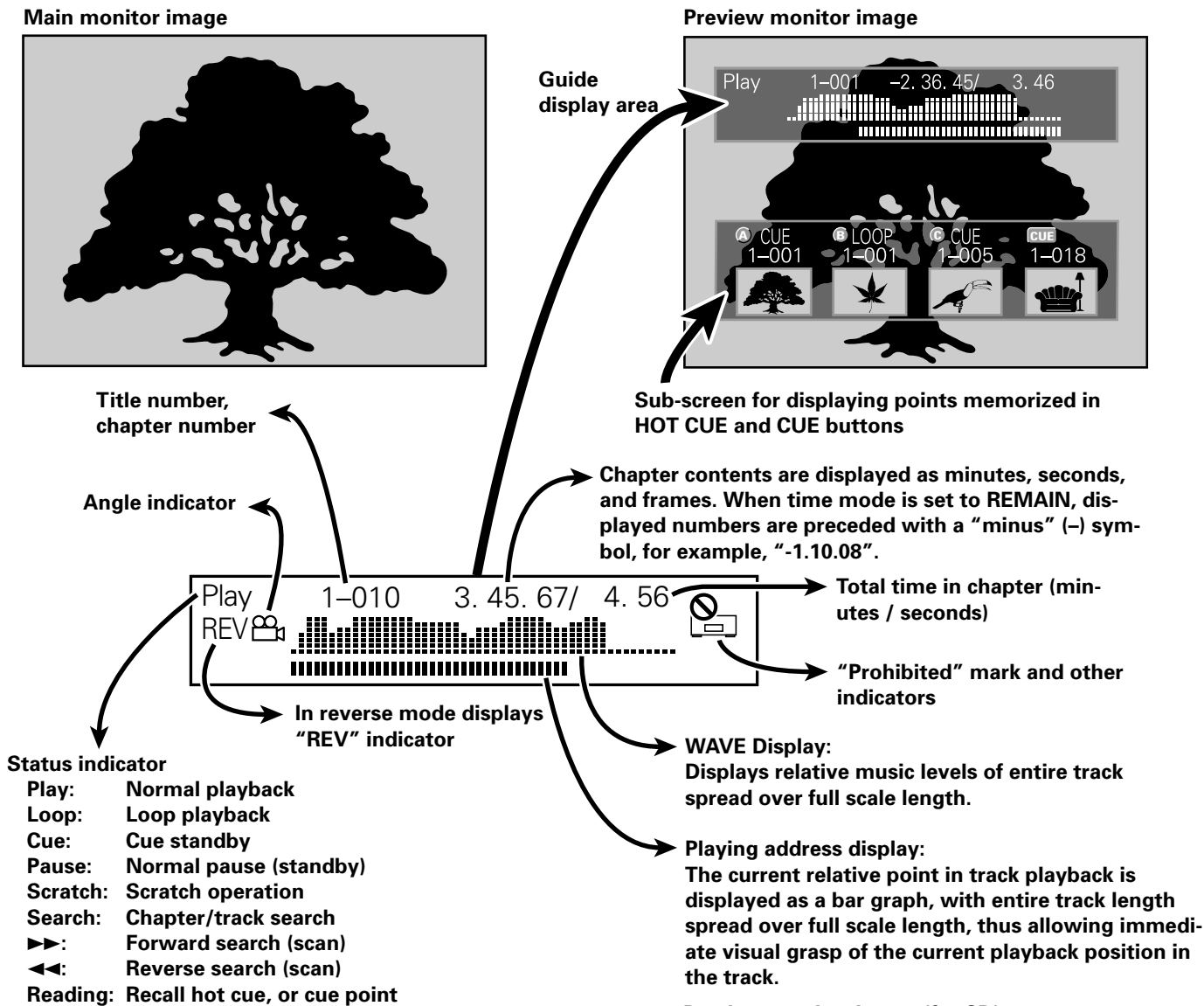
In **DJ** mode, the outputs of the two connectors are different, as indicated below. Even in **DJ** mode, however, if a non-supported DJ operation is attempted, the outputs will be the same as in **NORMAL** mode.

■ VIDEO OUT

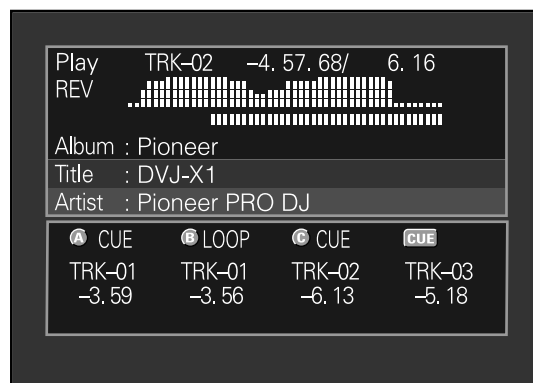
This outputs only the DVD playback image; it should be connected to the main publicly viewed monitor.

■ PREVIEW OUT

This outputs the images used by the DJ when operating the unit, and includes various additional guide messages and menus.



Preview monitor image (for CD)



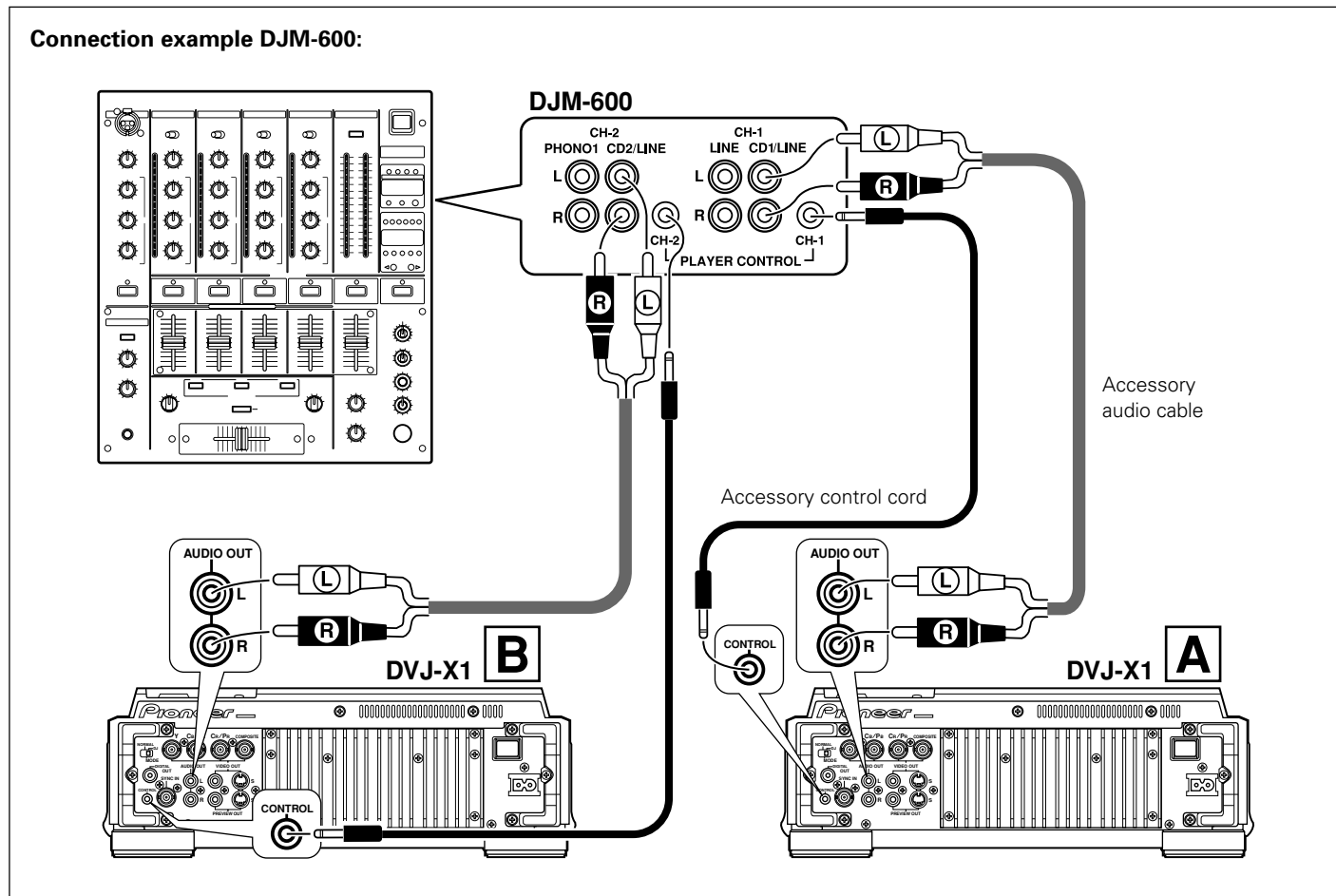
Connections

Before making or changing the connections, switch off the power and disconnect the power cord from the AC outlet.

1. Connections to DJ mixer (DJM-600, DJM-500, DJM-300, DJM-909, DJM-707 or DJM-3000) (audio output and control connector)

Using the accessory audio cable, connect the white plug to the L (left) connector, and connect the red plug to the R (right) connector. By connecting the accessory control cord, the player can be controlled from the mixer, allowing fader start play and back cue operations.

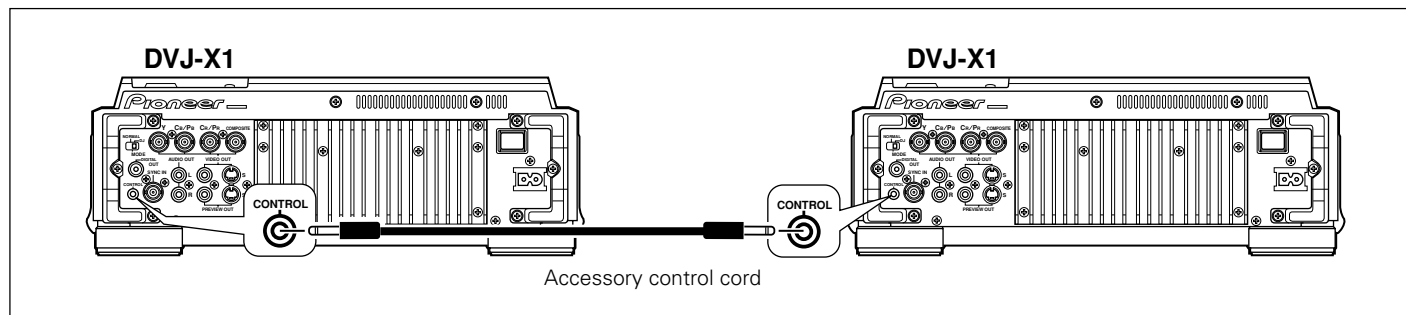
Connection example DJM-600:



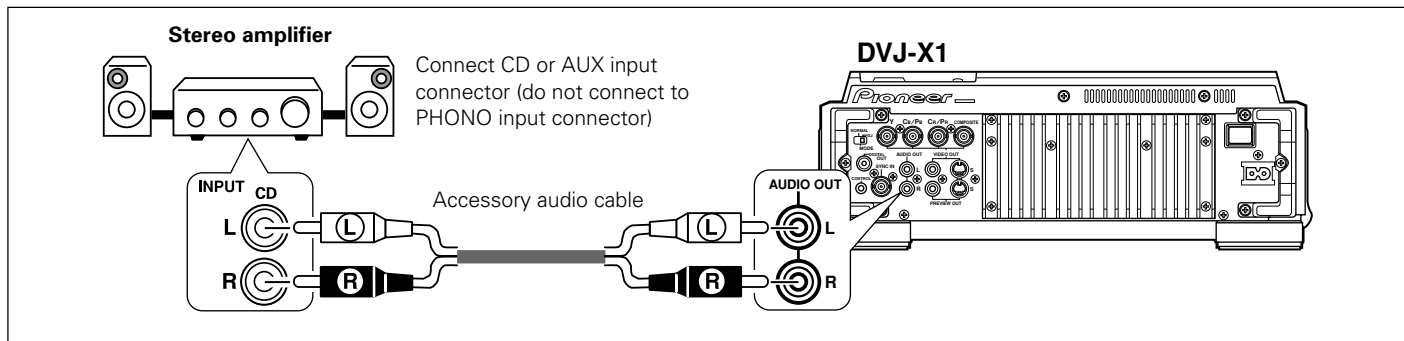
- Connect similarly to the above when using DJM-300 or DJM-500.
- When connecting DJM-909 or DJM-707, use the accessory audio cable to connect CH-1 CD to PLAYER A, and the CH-2 CD to PLAYER B.
- In the case of the DJM-3000, connect A PLAYER to LINE 1 of CH-1, connect B PLAYER to LINE 3 of CH-2.
- When connecting this player to other audio mixers, the player's AUDIO OUT connector should be connected to the mixer's LINE IN connector or AUX connector (★ **Do not connect the player to a mixer's PHONO connector, since sound will be distorted and proper playback will not result.**)

2. Control cord connection for relay play

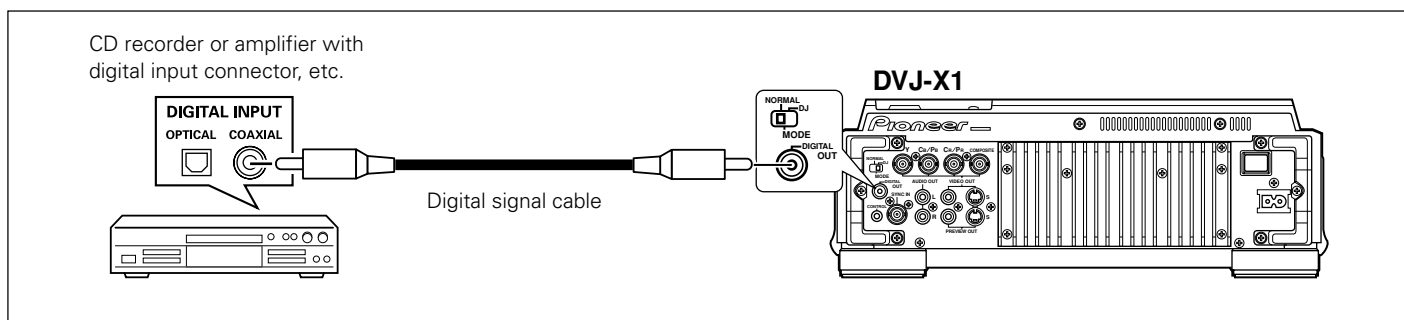
By using the accessory control cord to connect two DJ players, automatic relay play can be performed between the two units. (P.44)



3. Connection to stereo amplifier (without DJ mixer)



4. Connection to component equipped with digital input connector



■ Setting the mode select switch (MODE NORMAL/DJ) (rear panel)

When the unit is used normally as a DJ DVD player, the mode select switch should be set to the “DJ” position. If the switch position is changed during playback, playback will stop and after the stop, playback will begin from the beginning of the disc.

When set to DJ (DJ mode):

- During DVD playback, the digital output connectors produce 2-channel linear PCM digital data, regardless of the selected audio signal format. In addition, subtitles and certain other functions and operations are not supported.
- During CD playback, the digital connector outputs only audio data without sub-codes. However, the mode is fixed at 44.1 kHz, with the result that some limitations may be experienced in recording or other functions when CD recorders and certain other components are connected. For details, consult the Operating Instructions for the component to be connected.
- Some functions may be limited or disabled during DVD playback (☞ P.7, “About DVD playback in DJ mode”).

When set to NORMAL (NORMAL mode):

- The digital connector outputs digital data including sub-codes, but the player’s DJ functions are disabled (☞ P.15).
- When a non-supported operation is attempted, the display shows the message “NORMAL”.
- When power is turned ON, if the mode select switch is set to “NORMAL”, the display shows the message “NORMAL”.
- If you wish to use all ordinary functions during DVD playback, set the unit to NORMAL mode (☞ P.7, “About DVD playback in DJ mode”).

Note:

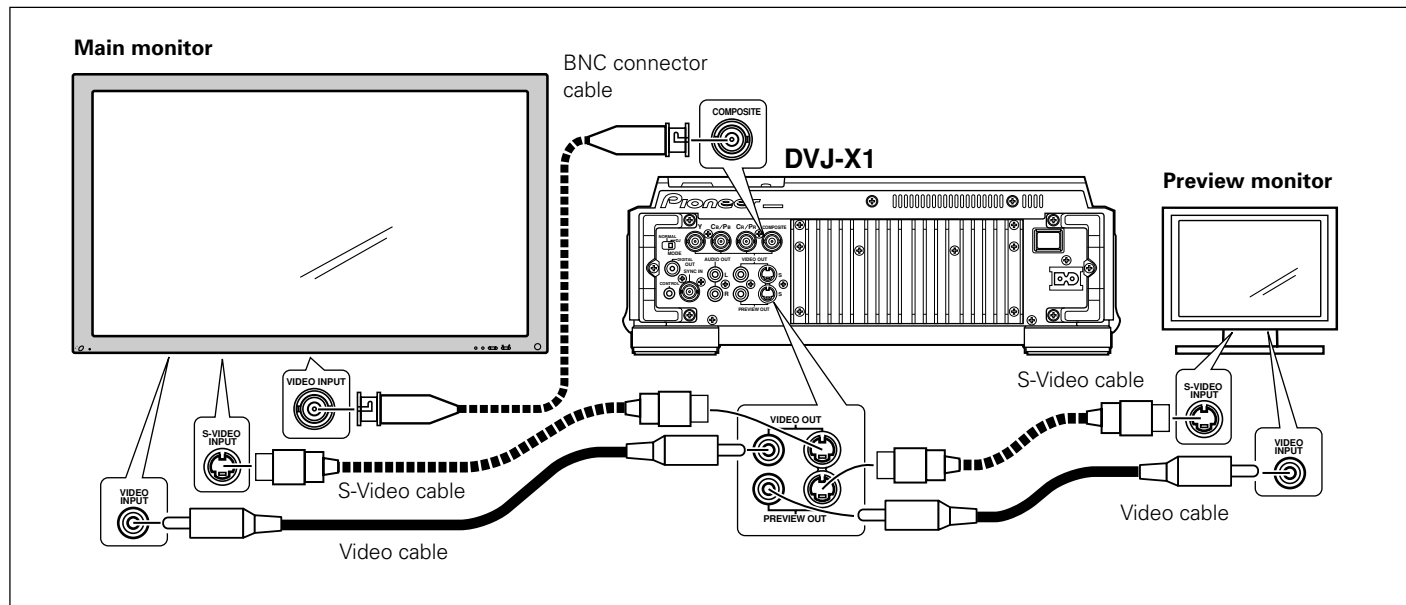
Most DJ functions (cue, loop, reloop, tempo adjust, hot cue, jog dial, reverse play) are not supported when the mode select switch is set to “NORMAL”. In addition, the pause mode is silent, not audible.

5. Connection to television monitor (composite video/S-Video)

This player is equipped with two video output connectors: a main video output connector (**VIDEO OUT**) which outputs only the DVD playback image, and a preview video output connector (**PREVIEW OUT**) which produces a variety of data displays used by the DJ during a performance.

- Each of the television monitors is connected by using standard video cables (RCA plug) or S-Video cables.
- The main video output is also equipped with a BNC type output connector (**COMPOSITE**), allowing the use of a BNC connector if desired.

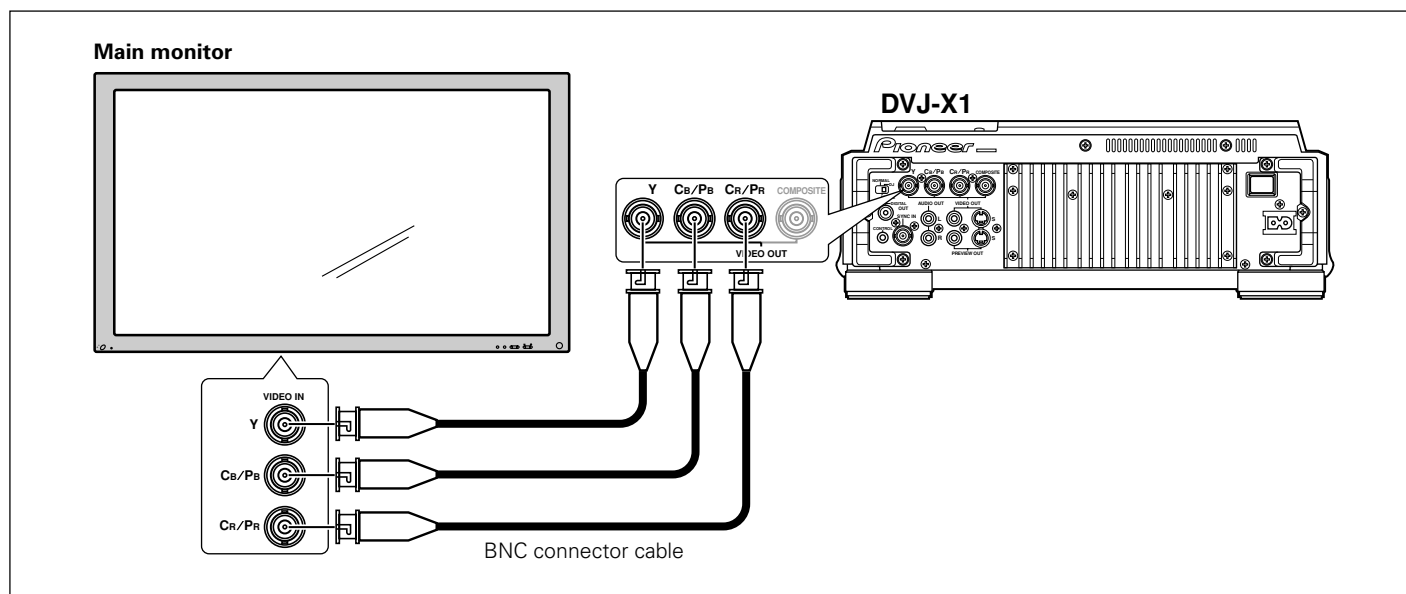
* Only one video cable is provided as an accessory. S-Video cables and BNC connector cables are not provided.



★ Connect the player's video output directly to a television monitor, not to a video deck (if connected through a video deck, the copy guard function may prevent proper playback).

6. Connection to television monitor (component video)

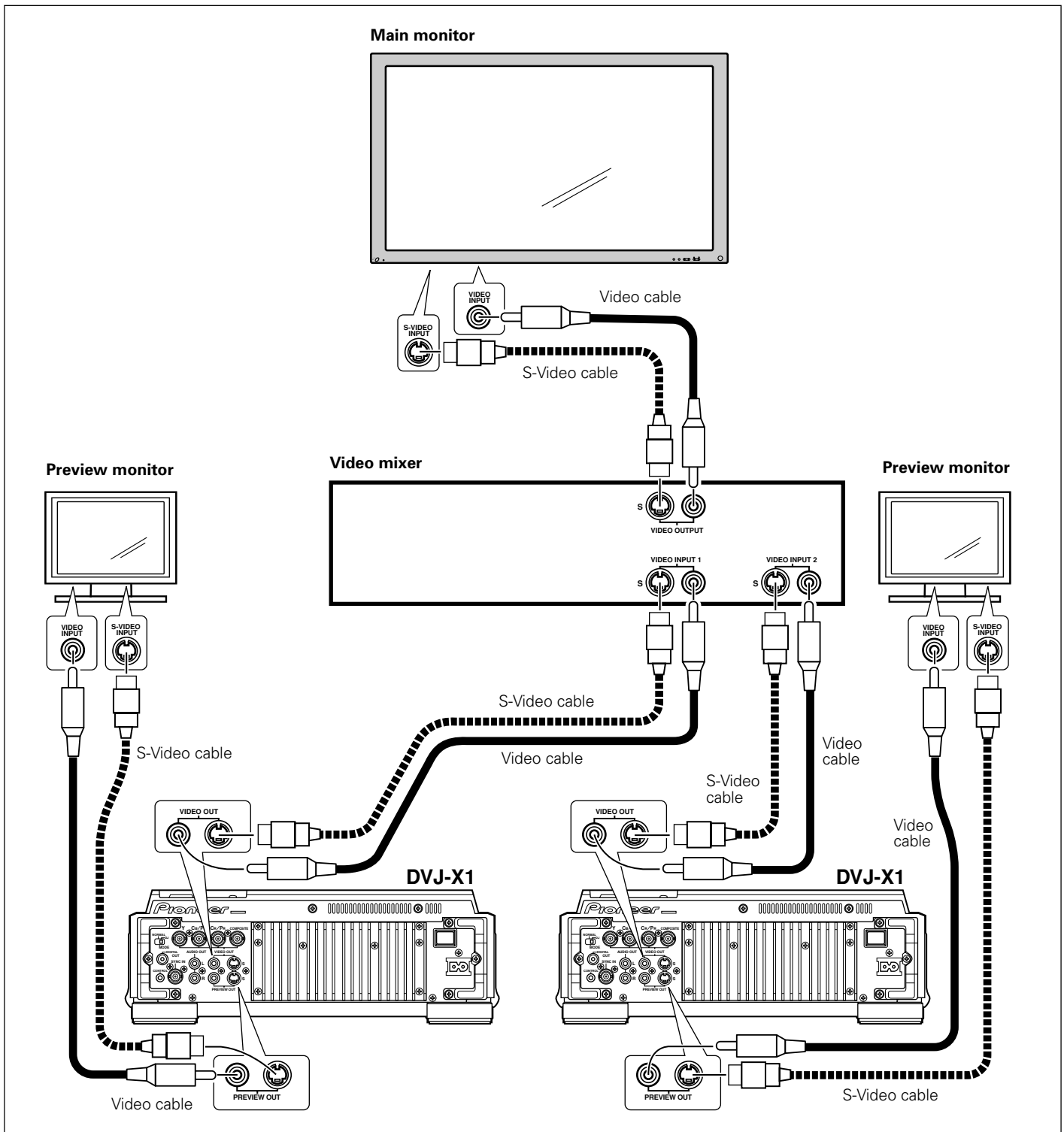
This connection is recommended if the main monitor is equipped with component video input (Y/P_B/P_R), since a higher fidelity video image will be produced.



★ Cannot be connected to a Hi-Vision component video input connector.

7. Connection to video mixer

Use a standard video cable (RCA plug) or S-Video cable for these connections.



8. Connecting the power cord

After all other connections are completed, connect one end of the accessory power cord to the rear-panel AC inlet, and connect the other end (power plug) to a wall outlet or to the auxiliary outlet on an amplifier.

Setup

Initial setup is required before playing DVDs.

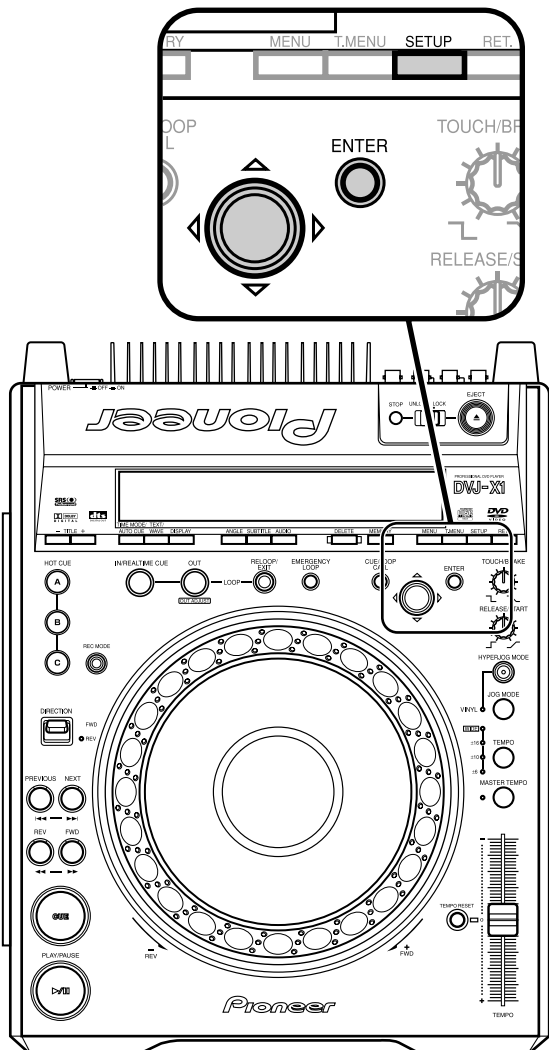
How to perform setup

Setup operations are performed by first pressing the **SETUP** button to display the Setup Menu on the screen; the cursor button is used to select items, and items are confirmed with the **ENTER** button.

The cursor button contains four sensors (▲▼◀▶) in a single button. Press the top (▲), bottom (▼), left (◀) and right (▶) sides of the button to move in the corresponding directions on the screen.

Settings are performed via a "Setup Navigator" which uses a dialog format to make basic settings of television and amplifier; a "Setup Menu Mode" is used for individual settings. First press the **SETUP** button to start the "Setup Navigator".

"Setup Menu Mode" includes "Basic" and "Expert"; the latter mode allows more detailed settings.



Using the Setup Navigator

The "Setup Navigator" uses a dialog format to make basic television and amplifier settings. The various settings are made automatically as the user responds to displayed questions. The Setup Navigator function cannot be used during playback.

When Setup Navigator is started, setup questions appear in the following order:

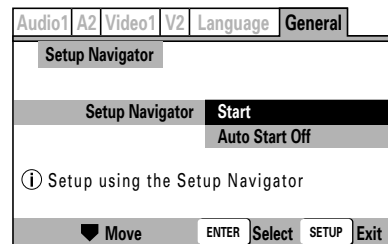
Language (OSD Language) → TV Connection (TV type) → Amp Connection

1. Set POWER switch to ON.

If a disc is already loaded, remove it.

2. Press SETUP button.

The Setup Navigator screen will appear.



Start:

Select to begin the Setup Navigator.

Auto Start Off:

Select if Setup Navigator settings are already completed.

- When [Auto Start Off] is selected, the next time the **SETUP** button is pressed the manual Setup Menu will appear. For details, see pages 23-34.

3. Press ENTER button.

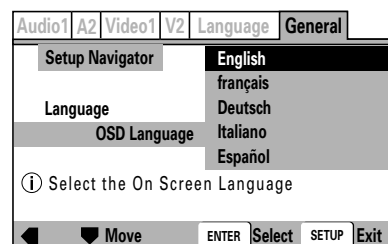
The Setup Navigator is initiated.

- **During setup, to return to the previous menu screen:**
Press the cursor button's left side (◀).

Select On-Screen-Display (OSD) Language

Languages selectable include English, French, German, Italian, or Spanish.

Press the cursor button's up/down sides (▲/▼) to move the cursor to the language desired, then press **ENTER** button to confirm.



English: OSD Language is English.

Français: OSD Language is French.

Deutsch: OSD Language is German.

Italiano: OSD Language is Italian.

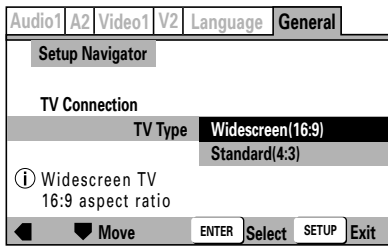
Español: OSD Language is Spanish.

- The language selected as the OSD Language is automatically selected as the language used in subtitles and audio.
(P. 30)

Select type of television connected

Sets the type of television connected to the player.

Press the cursor button's up/down sides (▲/▼) to move the cursor to the item desired, then press ENTER button to confirm.



Widescreen(16:9)

Select this option when connecting a television with Widescreen (16:9) aspect ratio.

Standard(4:3)

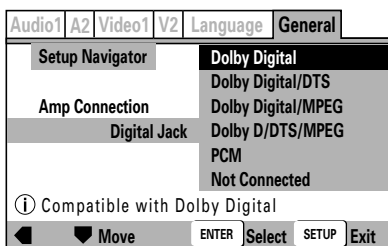
Select this option when connecting a television with conventional (4:3) aspect ratio.

Select the type of digital signal supported by your amplifier NORMAL

★ Digital output during DJ mode is automatically converted to linear PCM only.

Set the type of digital signal supported by the amplifier connected to the player. (Consult the Operating Instructions for your amplifier when making this setting.)

Press the cursor button's up/down sides (▲/▼) to move the cursor to the item desired, then press ENTER button to confirm.



Dolby Digital:

Select this item if you have used a digital audio cable to connect a AV amplifier to the player, and the amplifier supports the Dolby Digital format.

Dolby Digital/DTS:

Select this item if you have used a digital audio cable to connect an AV amplifier to the player, and the amplifier supports Dolby Digital and DTS formats.

Dolby Digital/MPEG:

Select this item if you have used a digital audio cable to connect an AV amplifier to the player, and the amplifier supports Dolby Digital and MPEG formats.

Dolby D/DTS/MPEG:

Select this item if you have used a digital audio cable to connect an AV amplifier to the player, and the amplifier supports Dolby Digital, DTS, and MPEG formats.

PCM:

Select this item if you have used a digital audio cable to connect a stereo or Dolby Pro Logic amplifier.

Not Connected:

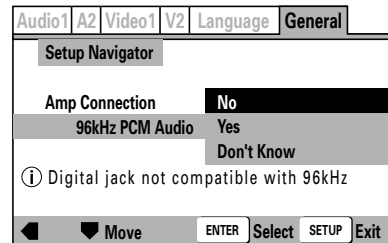
Select this item if you have used the accessory analog audio cable to connected an amplifier, or if you do not know whether the amplifier supports digital signals. When this item is selected, the next setting [96kHz PCM Audio] is not required; skip it and go directly to [Exit Setup Navigator].

- If your amplifier does not support DTS audio, do not select the [Dolby Digital/DTS] or [Dolby D/DTS/MPEG], since additional noise may occur.

Select whether connected amplifier supports 96kHz audio NORMAL

Set this item to reflect whether the connected amplifier supports linear PCM 96kHz audio.

Press the cursor button's up/down sides (▲/▼) to move the cursor to the item desired, then press ENTER button to confirm.



No:

Connected amplifier does not support linear PCM 96kHz audio.

Yes:

Connected amplifier does support linear PCM 96kHz audio.

Don't Know:

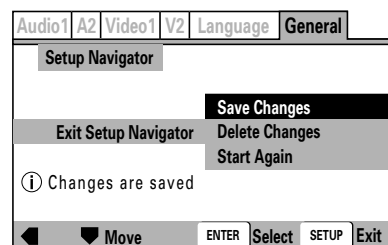
Select this item if you are unsure whether the connected amplifier supports linear PCM 96kHz audio.

- If [No] or [Don't Know] is selected, DVD audio will be converted to 48kHz for output, regardless of whether it is originally linear PCM 96kHz.

Exit Setup Navigator

Choices here include: to save the new settings and close Setup Navigator; to abandon (delete) the new settings and close Setup Navigator, or to start over without closing.

Press the cursor button's up/down sides (▲/▼) to move the cursor to the item desired, then press ENTER button to confirm.



Save Changes:

The new settings will be saved and applied, and Setup Navigator will close.

Delete Changes:

New settings will be abandoned and Setup Navigator will close.

Start Again:

Setup Navigator will return to the [OSD Language] and start settings again.

- If [Save Changes] or [Delete Changes] is chosen, the initial setup menu will close.
- If [Start Again] is selected, the display will return to the [OSD Language] menu screen.

■ The Setup Navigator is used to make basic settings only. For more detailed settings, use the Setup Menu to make manual settings.

Setup Menu items

Manual setup using the Setup Menu allows a greater variety of setup options than the Setup Navigator. Consult the pages Noted for more information about the contents of items and options listed on the menu.

- **I** indicates factory default values
- **■** settings are displayed in the Setup Menu's [Expert] mode.

Audio1	A2	Video1	V2	Language	General
Audio DRC					I Off ----- P.25
					On
Dolby Digital Out					I Dolby Digital ----- P.25
					Dolby Digital ▶ PCM
DTS Out					I Off ----- P.25
					DTS
96kHz PCM Out					I 96kHz ▶ 48kHz ----- P.25
					96kHz
MPEG Out					MPEG ----- P.26
					I MPEG ▶ PCM
Digital Out					I On ----- P.26
					Off

A1	Audio2	Video1	V2	Language	General
Virtual Surround					I Off ----- P.26
					TruSurround
Legato PRO					I Off ----- P.26
					Standard
					Effect1
					Effect2
					Effect3
Hi-Bit					I On ----- P.27
					Off

Audio1	A2	Video1	V2	Language	General
TV Screen					4 : 3 (Letter Box) ----- P.27
					4 : 3 (Pan&Scan)
					I 16 : 9 (Wide)
Component Video					I Interlace ----- P.28
					Progressive
S-Video Out					S1 ----- P.28
					I S2
Screen Saver					I On ----- P.28
					Off

Audio1	A2	V1	Video2	Language	General
Background					I Pioneer Logo ----- P.30
					Black
Video Adjust					Start ----- P.28
Still Picture					Field ----- P.30
					Frame
					I Auto
On Screen Display					I On ----- P.30
					Off
Angle Indicator					I On ----- P.30
					Off

Audio1	A2	Video1	V2	Language	General
OSD Language					I English ----- P.30
					français
					Deutsch
					Italiano
					Español
Audio Language					I English ----- P.30
					French
					German
					Italian
					Spanish
					Other
Subtitle Language					I English ----- P.31
					French
					German
					Italian
					Spanish
					Other
Auto Language					I On ----- P.31
					Off
DVD Language					I w / Subtitle Language ----- P.31
					English
					French
					German
					Italian
					Spanish
					Other
Subtitle Display					I On ----- P.32
					Off
					Assist Subtitle
Subtitle Off					With Audio ----- P.32
					I Selected Subtitle

Audio1	A2	Video1	V2	Language	General
Setup Menu Mode					Expert ----- P.25
					I Basic
Setup Navigator					Start ----- P.21
Parental Lock					Password (Change) ----- P.33
					Level
					Country Code

To return all settings to their factory defaults

Use this command to return all changed settings to their factory default values.

1. Turn power OFF.

2. While holding the STOP button depressed, turn power ON, and continue holding the STOP button until the "POWER ON" indication goes off.

- All setting contents will be returned to their factory default values.

The DJ mode functions listed below are set to the following factory defaults in addition to the items in the Setup Menu (P.23).

Auto Cue: OFF
 Auto Cue level: -60 dB
 Jog mode: VINYL ON
 Time mode: REMAIN

- This command additionally erases all memory contents, including "video memory" (P.28-29). Be sure you wish to delete all memory contents before using this command.

Using the Setup Menu

★ **Setup menu functions are disabled during DVD playback in DJ mode, and during CD playback. Set the unit to Stop, or remove the disc before attempting setup operations.**

The Setup Menu is used when you wish to modify the default factory settings. The following instructions introduce the basic operations and controls used with the Setup Menu.

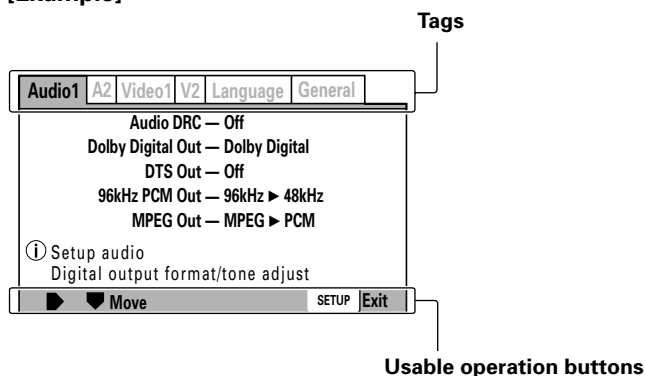
- If you have not yet performed the basic setup using the Setup Navigator, the Setup Navigator screen will appear first.

Confirm that power is turned ON, then

1. Press the SETUP button.

The Setup Menu will appear.

[Example]



2. Press the left and right sides of the cursor button (◀/▶) to move between the tags at the top of the menu ([Audio1], [Audio2], [Video1], [Video2], [Language], or [General]).

3. Use the upper and lower sides of the cursor button (▲/▼) to select the desired setting item.

4. Press the cursor button's right side (▶) to move to the options list.

5. Use the upper and lower sides of the cursor button (▲/▼) to move between options.

6. Press the ENTER button to confirm the selection.

Repeat steps 2 – 6 to modify other settings.

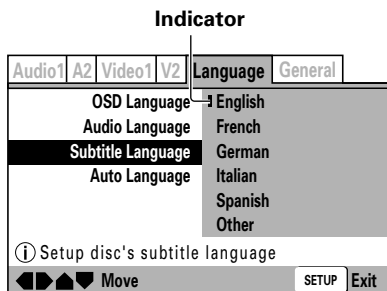
7. Press the SETUP button.

The Setup Menu will close.

- If the Setup Menu is opened again after you have previously made settings there, the previously shown menu screen will appear.

Disc-dependent settings

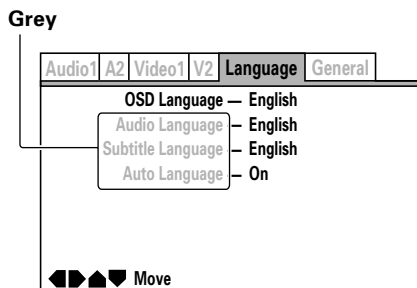
Some setting changes are not supported, depending on the kind of disc (DVD/CD) used. Whether a desired setting is supported can be confirmed by viewing the indicator color at the left of the selected setting item. Consult the accompanying table for information regarding what settings are supported for each disc type. Changed settings become effective immediately.



Indicator Color	Disc Type
Blue, Yellow	DVD only
Green	All

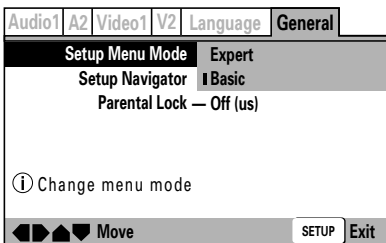
Items not changeable during playback

Items that cannot be set during playback are displayed in grey. Perform this operation in the stop mode, or when no disc is loaded.



Advanced settings

The Setup Menu includes two mode levels, [Basic] and [Expert]; the [Expert] mode allows more advanced settings.



Expert:

Displays advanced settings.

Basic:

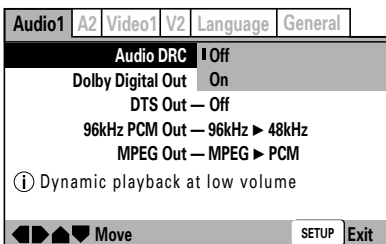
Displays basic settings; simple explanations (i) are displayed for the items selected (factory default settings).

Adjusting Dolby Digital audio

★ Digital output during DJ mode is automatically converted to linear PCM only.

This item allows adjustment of the dynamic range of digital sound. By adjusting the audio DRC (dynamic range compression), large-volume sounds can be attenuated and low-volume sounds can be enhanced for a variety of playback effects. This setting is effective, for example, when it is difficult to hear dialog on a television program, or when you do not wish to disturb neighbors while watching movies late at night.

● See P.24 for menu instructions.



Off:

Cancels Audio DRC. Allows maximum audio presence when used with high-fidelity speakers (factory default setting).

On:

Suppresses loud sounds (explosions, etc.) making it easier to understand dialog.

- Audio DRC is supported only when using Dolby Digital audio.
- Some discs may produce less effect.
- Audio DRC is also applied to audio produced from the digital output (coaxial) connectors. In this case, set [Dolby Digital Out] to [Dolby Digital ▶ PCM], and set [Digital Out] to [On].
- The effect produced with Audio DRC differs depending on the speakers used and the volume setting of the AV amplifier. Turn the setting ON/OFF while adjusting your sound volume so as to produce most effective results.

Digital output setting

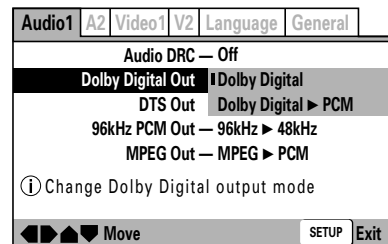
★ Digital output during DJ mode is automatically converted to linear PCM only.

This item allows selection of the kind of digital signals supported by the connected amplifier.

- If this item is set incorrectly, unwanted noise may be produced.
- Consult the Operating Instructions for your amplifier when making this setting.
- See P.24 for menu instructions.

Dolby Digital output NORMAL

Set to [Dolby Digital ▶ PCM] when the connected amplifier does not support Dolby Digital audio.



Dolby Digital:

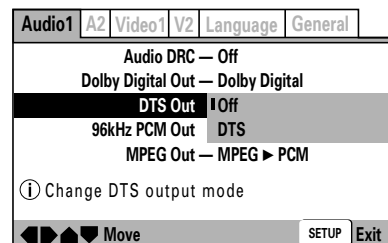
Setting for amplifier or decoders supporting Dolby Digital audio (factory default setting).

Dolby Digital ▶ PCM:

Dolby Digital signals are converted to linear PCM for output. Select this setting when the connected amplifier does not support Dolby Digital audio.

DTS output NORMAL

Set this item to [DTS] when the connected amplifier supports DTS.



Off:

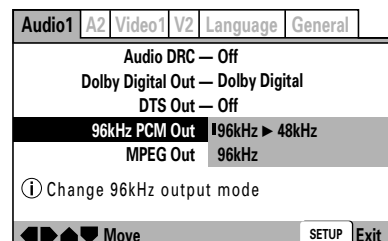
Select this item when the connected amplifier does not support DTS (factory default setting).

DTS:

Select this item when the connected amplifier or decoder supports DTS.

96kHz PCM output NORMAL

Set this option to [96kHz] when the connected amplifier supports 96kHz output.



96kHz ▶ 48kHz:

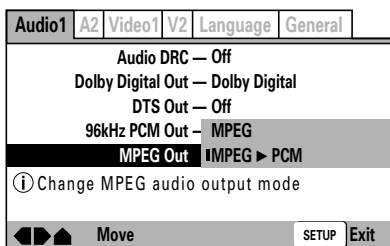
96kHz signals are converted to 48kHz for output. Select this option when the connected amplifier does not support 96kHz signals (factory default setting).

96kHz:

Select this option if the connected amplifier or decoder supports 96kHz output.

MPEG output NORMAL

Set this option to **[MPEG]** if the connected amplifier supports MPEG audio.



MPEG:

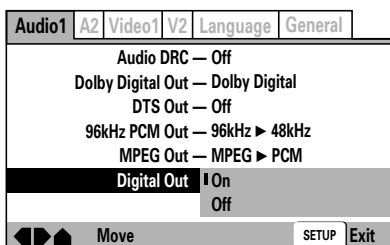
Select this option if the connected amplifier or decoder supports MPEG audio.

MPEG > PCM:

MPEG signals are converted to linear PCM for output. Select this option if the connected amplifier does not support MPEG (factory default setting).

Digital output ON/OFF (Expert Mode)

This setting allows disabling of outputs from the digital audio output connectors.



On:

Signals are output from the rear panel digital output connectors (factory default setting).

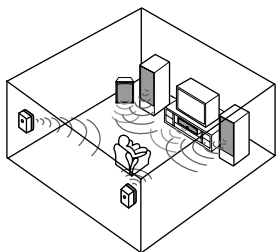
Off:

Signals are not output from the rear panel digital output connectors.

■ Supports Dolby^{*1} Digital / DTS^{*2} for genuine theater-like sound impact



By connecting an amplifier supporting Dolby Digital/DTS, you can enjoy the immediacy and power of 5.1 channel movies and music DVDs.



■ Equipped with SRS TruSurround (Virtual Surround)



Recreates the ambience of 5.1 channel sound using only 2 speakers. **SRS TruSurround^{*3}** technology performs direct processing of 5.1 channel digital sound data.

*1 Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
 *2 "DTS" and "DTS Digital Out" are registered trademarks of Digital Theater Systems, Inc.
 *3 TruSurround, SRS and symbol are trademarks of SRS Labs, Inc. TruSurround technology is incorporated under license from SRS Labs, Inc.

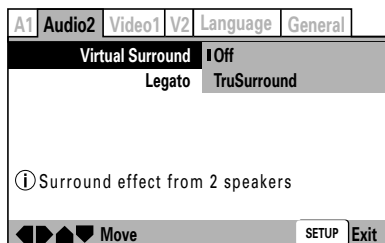
[Audio2] settings

- See P.24 for menu instructions.

Surround setting NORMAL

★ This option is not supported in DJ mode.

This function is supported only when connected to the audio output connectors. Not supported during use of DTS audio, linear PCM 96kHz audio.



Off:

Disabled (factory default setting)

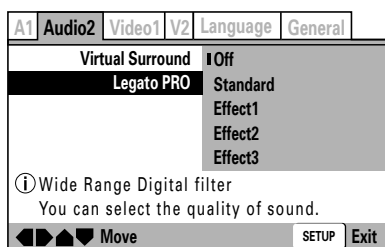
TruSurround:

Select for virtual surround sound.

- If **[TruSurround]** is selected during playback of DVD Dolby Digital 2ch discs, the audio level produced from the digital output connectors will be reduced. Also note that if the **[Audio1]** menu item **[Dolby Digital Out]** is set to **[Dolby Digital > PCM]** when playing discs other than those recorded in Dolby Digital 2ch format, selecting **[TruSurround]** will cause audio output to be disabled from the digital output connectors.
- Some discs may produce less surround effect than others.

Legato PRO function

Select from among the four ambience modes based on your own preferences and the style of music being played. The characteristics of the four modes are as follows:



Off:

Legato function disabled (factory default setting).

Standard:

Produces full-bodied sound presence.

Effect1:

Produces bright, vivid sound.

Effect2:

Produces sound with depth and reserve.

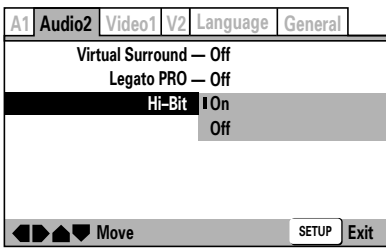
Effect3:

Produces sound with solid bass and balance.

- The Legato PRO function operates to change the audio digital filter response of those bands primarily outside the audio range.
- The amount of tonal change may vary, depending on the listening room environment.

Hi-Bit function (Expert Mode)

By converting 16-20 bit audio data to 24 bit, smooth, detailed sound quality is produced even at low listening levels.



On:

Hi-Bit function is enabled (factory default setting)

Off:

Hi-Bit function is disabled.

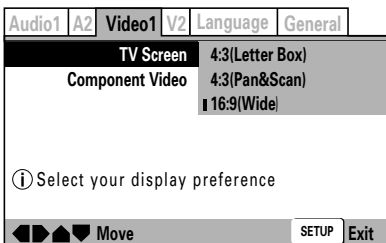
[Video1] settings

- See P.24 for menu instructions.

Set the screen aspect ratio for the television

Select the value matching the type of television connected. Select [16:9(Wide)] when a wide-screen television is connected. Most DVD movies are recorded to support wide television screens with an aspect of 16 horizontal to 9 vertical. As a result, when DVDs are viewed on conventional televisions, the image is projected at the television's aspect ratio of 4:3, causing it to appear horizontally compressed. In order to eliminate this kind of distortion, set the aspect ratio either for [4:3 (Letter Box)] or [4:3(Pan&Scan)] when using a conventional television.

- This setting cannot be changed during playback.



4:3(Letter Box):

Select this setting when using a conventional television and you wish to view movies in letterbox format.

4:3(Pan&Scan) NORMAL:

Select this setting when using a conventional television and you wish to view movies in "pan and scan" format.

16:9(Wide):











Select this setting when using a widescreen (16:9) television (factory default setting)

★ **The 4:3(Pan&Scan) format is not supported in DJ mode. If [4:3(Pan&Scan)] is selected when the unit is in DJ mode, output will be in letterbox setting.**









- Some DVDs do not support changing of aspect ratio. Consult the information printed on your disc's jacket for more details.

■ Aspect ratio formats

[With conventional television set]

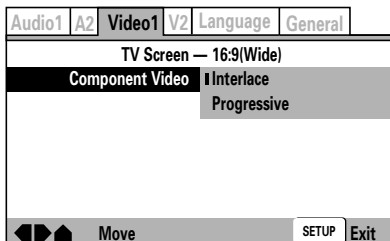
DVD recording format	Player Setting	Viewing appearance
 16:9 disc	4:3(Letter Box)	  Black bands appear at top and bottom of screen; image is projected in correct aspect ratio.
	4:3(Pan&Scan)	  Right/left sides of image are cut off, but image is projected in correct aspect ratio.
	16:9(Wide)	  Image is horizontally compressed (appears vertically stretched). If the image appears as shown here, set the player's aspect ratio to [4:3 (LetterBox)] or [4:3 (Pan&Scan)].
 4:3 disc	All settings	  Appears with correct aspect ratio.

[With widescreen television set]

DVD recording format	Player Setting	Viewing appearance
 16:9 disc	16:9(Wide)	  Appears with correct aspect ratio. Black bands may appear at top/bottom with some discs.
 4:3 disc	16:9(Wide)	  Black bands appear at right/left, but image is projected in correct aspect ratio.
		  Image is vertically compressed (appears horizontally stretched) If the image appears as shown here, set the television set's aspect ratio "normal". For details consult the Operating Instructions for your television set.

Select video output format

When the television monitor used is connected for component video and supports progressive inputs, set this option to select the kind of player output, either interlace scan or progressive scan.



Interlace:

Select this option when the television or projector does not support progressive inputs (factory default setting).

Progressive:

This mode produces finely detailed, high-definition images and should be selected when using a television or projector that supports progressive inputs.

- Do not select [**Progressive**] when the television connected does not support progressive inputs, since no image will be output. If this option is selected by mistake, trying connecting the video cable to another video connector, then change the setting.

Compatibility of this unit with progressive scan televisions

At present, certain progressive-scan televisions do not have complete compatibility with this player, with the result that visual distortion may be produced. If you notice distortion during progressive playback, try changing the player's output to [**Interlace**]. For more information regarding compatibility of progressive-scan televisions with this player, consult your Pioneer dealer, or Pioneer Electronics (USA) Inc. Customer Support Division listed at the end of this manual.

S1 Video Output:

S1 is S-Video with added signal for discrimination of aspect ratio (4:3, 16:9).

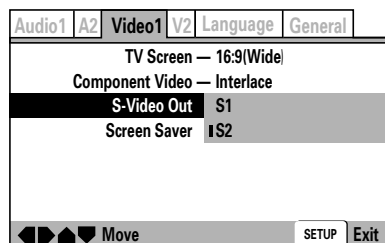
S2 Video Output:

S2 is the S1 signal with the addition of another signal for discrimination of the picture viewing format (letter box, pan and scan). When played on a wide television supporting S2, the appropriate picture mode will be selected automatically.

Select S-Video output (Expert Mode)

Set this option to select the video signal output from the S-Video connector.

- When the S-Video connector is used to connect the player to a television set, the image may appear vertically compressed (or stretched horizontally). In this case, select [**S1**].



S2:

The S2 video signal is output (factory default setting).

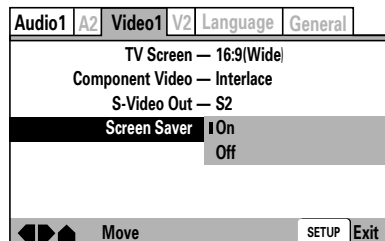
S1:

The S1 video signal is output.

Screen Saver setting (Expert mode)

The screen saver function is provided in order to prevent image burn (residual image) on a television screen when a single image is paused or otherwise remains on the screen for an extended period of time.

- When enabled, the screen saver function operates after an image has been displayed for about five minutes.



On:

Screen saver function is enabled (factory default setting).

Off:

Screen saver function is disabled.

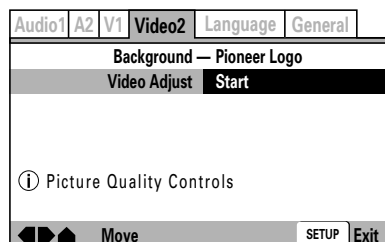
- ★ In DJ mode, the screen saver function does not operate when the unit is in pause mode.**

Video quality adjust

The video quality can be set to provide optimum reproduction of specific types of image (movies, animation, etc.). Further, each of the video image quality options can be set individually, and each setting can be recorded in memory. If playback is performed while displaying the initial setup menu, the picture quality can be adjusted while viewing the actual television image.

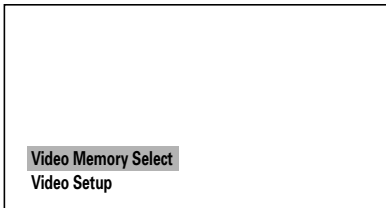
To select a preset picture quality

- Using the four sides of the cursor button (◀/▶/▲/▼), select [Video2] ⇒ [Video Adjust] ⇒ [Start].

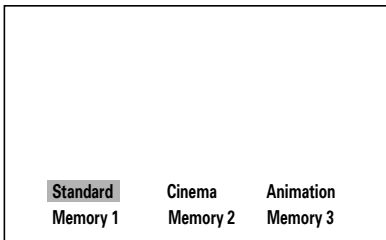


2. Press the ENTER button.

The Picture Quality Controls menu will appear.



3. Select [Video Memory Select] and press the ENTER button.



4. Use the four sides of the cursor button (◀/▶/▲/▼) to select the desired preset picture quality.

Standard:

Reproduces the picture quality recorded on the disc as is.

Cinema:

Optimum for watching in a darkened room, to recreate the atmosphere of a movie theater.

Animation:

Produces bright, crisp colors, optimum for watching video animation.

Memory1/Memory2/Memory3:

Favorite picture quality settings can be recorded in memory, as described in the following section, "Adjusting picture quality".

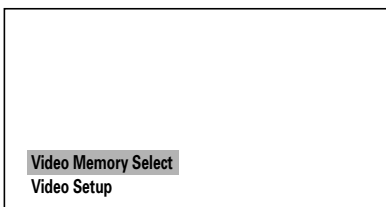
5. Press the ENTER button.

The Picture Quality Controls menu will close. If the Picture Quality Controls menu closes automatically, any set contents will be canceled.

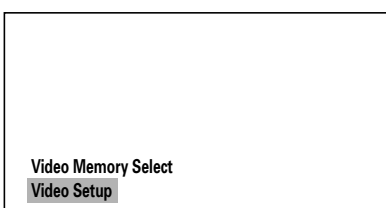
Adjusting picture quality

1. Use the four sides of the cursor button (◀/▶/▲/▼) to select [Video2] → [Video Adjust] → [Start], then press the ENTER button.

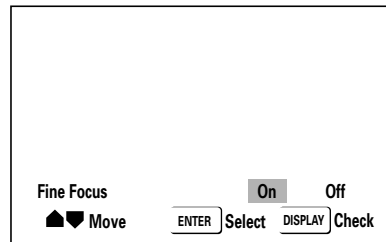
The Picture Quality Controls menu will appear.



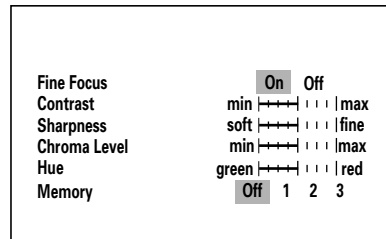
2. Use the cursor button's up/down sides (▲/▼) to select [Video Setup] and press the ENTER button.



3. Use the cursor button's up/down sides (▲/▼) to select the item you wish to adjust.



When the **DISPLAY** button is pressed, a submenu list of the selected adjustment items will be displayed. Press the **DISPLAY** button once again to return to the previous menu.



Fine Focus:

Set to **[On]** to reproduce high-resolution images.

Contrast:

Use to adjust the ratio between the brightest and darkest parts of the image.

Sharpness:

Use to adjust the image brightness with respect to the middle frequency range. This function is disabled when **[Fine Focus]** is set to **[On]**.

Chroma Level:

Use to adjust the depth of color. This function is particularly effective when watching heavily colored animations.

Hue:

Use to adjust the red-green balance (this function is disabled with component video signals).

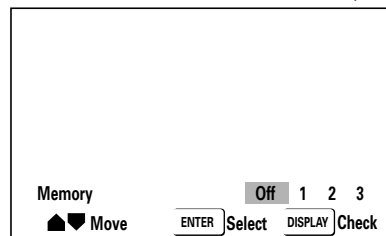
4. Use the cursor button's left/right sides (◀/▶) to adjust the selected item's level.

When setting **[Fine Focus]**, select between **[On]** or **[Off]**.

5. Repeat steps 3-4 for all desired setting items.

If you wish to record the selected settings in memory, use the cursor button's up/down sides (▲/▼) to select **[Memory]**, then use the cursor button's left/right (◀/▶) sides to select **[1]**, **[2]**, or **[3]** to record the combination of settings in the corresponding memory space.

- If a combination of settings has previously been memorized in the selected memory space, the previous settings will be overwritten (erased) by the new settings.



6. Press the ENTER button.

The Picture Quality Controls menu will close.

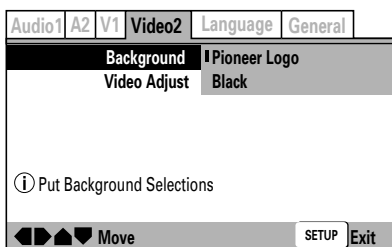
- If the **ENTER** button is not pressed, the newly modified picture quality control settings will not be recorded in **[Memory]**.
- The effect of picture quality control changes may not appear as distinct with some DVDs and on some television sets.
- Picture adjustments are reflected on interlaced output. When the **[Progressive]** is selected with **[Component Out]**, picture adjustments are not applied to the component output.

[Video2] settings

- See P.24 for menu instructions.

Select Background

Select the kind of background that appears when disc is stopped.



Pioneer Logo:

The Pioneer Logo mark appears as background when disc is stopped (factory default setting).

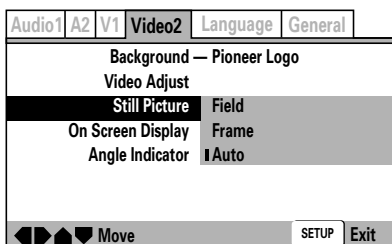
Black:

Background appears black when disc is stopped.

Still Picture selection (Expert Mode)

Use to eliminate image shaking when viewing still images (DVD pause mode), and produce a clearer picture.

- Some discs may not appear clearer even when [Field] is selected.



Field:

Eliminates shaking during still images.

Frame:

Normal mode.

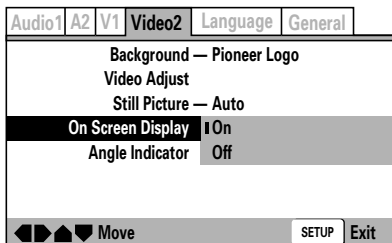
Auto:

Switches automatically between [Field] and [Frame] (factory default setting).

- Automatically defaults to [Auto] in DJ mode.

Turn on-screen display ON/OFF (Expert Mode)

Sets player's onscreen display ON/OFF.




On:

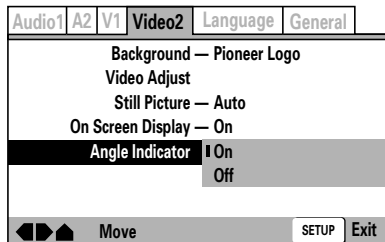
On-screen display is enabled (factory default setting).

Off:


On-screen display is disabled.

Angle mark display (Expert Mode)


Use this option to turn the on-screen angle indicator mark  ON/OFF. In DJ mode, the preview image output angle indicator mark is turned ON/OFF using the **DISPLAY** button, regardless of the setting of this option.



On:

The angle indicator mark  appears on screen (factory default setting).

Off:

The angle indicator mark  does not appear on screen.

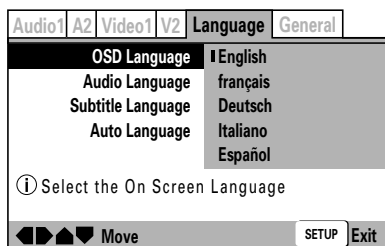
[Language] settings

Some DVDs include multiple subtitle and audio languages, allowing the user to select different languages as desired. This setting item allows the selection of such language and subtitle alternatives.

- See P.24 for menu instructions.

Set the OSD Language

Select the language used for Setup Menu and other on-screen displays (OSD).



English: OSD Language is English.

Français: OSD Language is French.

Deutsch: OSD Language is German.

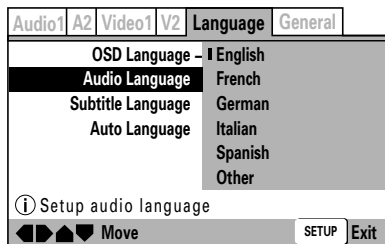
Italiano: OSD Language is Italian.

Español: OSD Language is Spanish.

- In the DJ mode, the guide display language for preview images, etc., is always English, regardless of the setting of this item.

Select the Audio Language

Select the language heard in audio channels. This setting cannot be changed during playback.



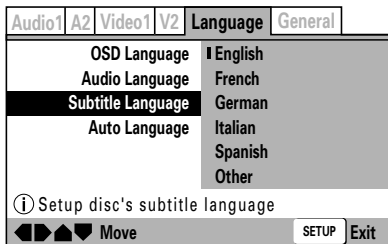
- English:** Audio Language is English.
French: Audio Language is French.
German: Audio Language is German.
Italian: Audio Language is Italian.
Spanish: Audio Language is Spanish.
Other: Select from among 136 languages.

For information on this item, see the section “**When Selecting [Other] for Subtitle Language, Audio Language, or DVD Language**”.

Select the Subtitle Language NORMAL

Select the language you wish subtitles to appear in. This setting cannot be changed during playback.

- ★ **No subtitles are displayed in DJ mode.**



- English:** Subtitle Language is English.
French: Subtitle Language is French.
German: Subtitle Language is German.
Italian: Subtitle Language is Italian.
Spanish: Subtitle Language is Spanish.
Other: Select from among 136 languages.

For information on this item, see the section “**When Selecting [Other] for Subtitle Language, Audio Language, or DVD Language**”.

- If an attempt is made to select an Audio Language or Subtitle Language not actually recorded on the disc, the disc's original language of recording will be selected automatically.

Automatic language and subtitle setting

This function selects either automatic audio and subtitle language selection, or manual selection via the Setup Menu are used. This setting cannot be changed during playback.



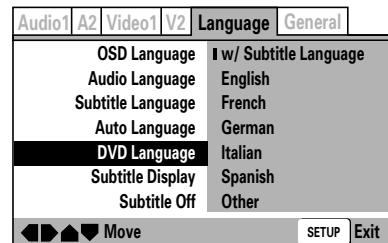
On: Enabled when [Audio Language] and [Subtitle Language] are the same, and when subtitle display is set to ON (factory default setting).

Off: automatic audio language setting is canceled; instead, the languages set manually with [Audio Language] and [Subtitle Language] are enabled.

Set DVD menu language (Expert Mode)

Many DVDs contain menus; this command allows selection of the menu display language, when available.

- This setting cannot be changed during playback.



w/Subtitle Language:

The language selected in [Subtitle Language] becomes the menu display language (factory default setting).

- English:** Menu display Language is English.
French: Menu display Language is French.
German: Menu display Language is German.
Italian: Menu display Language is Italian.
Spanish: Menu display Language is Spanish.
Other: Select from among 136 languages.

For information on this item, see the section “**When Selecting [Other] for Subtitle Language, Audio Language, or DVD Language**”.

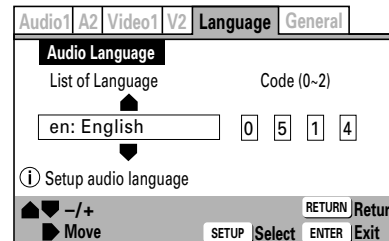
When selecting [Other] for Subtitle Language, Audio Language, or DVD Language

Make this selection while looking at the “**Language Code List**” on P.32. If a language is selected that is not actually recorded on the DVD, one of the recorded languages will be used for the menu display.

1. Select [Other] and press the ENTER button.

The Language selection menu will appear.

(Example): To set the Audio Language



2. Select [List of Language] or [Code]

Some languages are not displayed on the Code page. For details, see the “**Language Code List**” (P.32).

- The numbers listed in parentheses () beside [Code] indicate the range of numbers possible.

Select language using [Code]

Use one of the following methods:

(Example): To select French

Use the cursor button's up/down sides (▲/▼) to select the desired number for each digit; use the cursor button's left/right sides (◀/▶) to move between digits.

Select language using [List of Language]

(Example): To select French

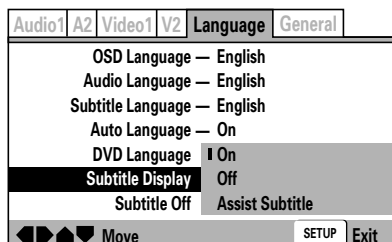
Use the cursor button's down side (▼) to move down one place.

3. Press the ENTER button.

Set Subtitle Display ON/OFF (Expert Mode)

Select whether to turn subtitles ON, OFF, or to display assist subtitles.

- This setting cannot be changed during playback.



On:

Subtitles are displayed normally (factory default setting).

Off:

Subtitles are not displayed. However, some DVDs have subtitles that are displayed by default, regardless of this setting (see paragraph at right).

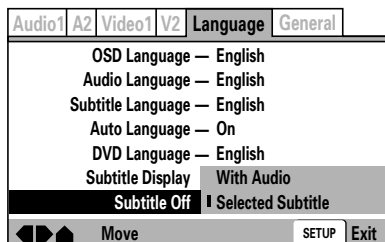
Assist Subtitle:

[Assist Subtitle] are subtitles that provide additional information about the current scene, for example descriptions of ambient sounds for the hearing impaired. Select this option to display such assist subtitles. Note that assist subtitles are displayed only when they originally recorded on the DVD being played.

Set language for forced subtitles (Expert Mode)

On some DVDs, even when the [Subtitle Display] is set to [Off], some subtitles may be displayed automatically. Use this command to select the language used for such subtitles.

- This setting cannot be changed during playback.



With Audio:

Display subtitles in the same language as the audio being played.

Selected Subtitle:

Display subtitles in the language selected with the [Subtitle Language] in the Setup Menu (factory default setting).

Language Code List

Language	Input-code	Language	Input-code	Language	Input-code
Japanese (ja)	1001	Gujarati (gu)	0721	Rhaeto-Romance (rm)	1813
English (en)	0514	Hausa (ha)	0801	Kirundi (rn)	1814
French (fr)	0618	Hindi (hi)	0809	Romanian (ro)	1815
German (de)	0405	Croatian (hr)	0818	Kinyarwanda (rw)	1823
Italian (it)	0920	Hungarian (hu)	0821	Sanskrit (sa)	1901
Spanish (es)	0519	Armenian (hy)	0825	Sindhi (sd)	1904
Chinese (zh)	2608	Interlingua (ia)	0901	Sangho (sg)	1907
Dutch (nl)	1412	Interlingue (ie)	0905	Serbo-Croatian (sh)	1908
Portuguese (pt)	1620	Inupiak (ik)	0911	Sinhalese (si)	1909
Swedish (sv)	1922	Indonesian (in)	0914	Slovak (sk)	1911
Russian (ru)	1821	Icelandic (is)	0919	Slovenian (sl)	1912
Korean (ko)	1115	Hebrew (iw)	0923	Samoa (sm)	1913
Greek (el)	0512	Yiddish (ji)	1009	Shona (sn)	1914
Afar (aa)	0101	Javanese (jw)	1023	Somali (so)	1915
Abkhazian (ab)	0102	Georgian (ka)	1101	Albanian (sq)	1917
Afrikaans (af)	0106	Kazakh (kk)	1111	Serbian (sr)	1918
Amharic (am)	0113	Greenlandic (kl)	1112	Siswati (ss)	1919
Arabic (ar)	0118	Cambodian (km)	1113	Sesotho (st)	1920
Assamese (as)	0119	Kannada (kn)	1114	Sundanese (su)	1921
Aymara (ay)	0125	Kashmiri (ks)	1119	Swahili (sw)	1923
Azerbaijani (az)	0126	Kurdish (ku)	1121	Tamil (ta)	2001
Bashkir (ba)	0201	Kirghiz (ky)	1125	Telugu (te)	2005
Byelorussian (be)	0205	Latin (la)	1201	Tajik (tg)	2007
Bulgarian (bg)	0207	Lingala (ln)	1214	Thai (th)	2008
Bihari (bh)	0208	Laotian (lo)	1215	Tigrinya (ti)	2009
Bislama (bi)	0209	Lithuanian (lt)	1220	Turkmen (tk)	2011
Bengali (bn)	0214	Latvian (lv)	1222	Tagalog (tl)	2012
Tibetan (bo)	0215	Malagasy (mg)	1307	Setswana (tn)	2014
Breton (br)	0218	Maori (mi)	1309	Tonga (to)	2015
Catalan (ca)	0301	Macedonian (mk)	1311	Turkish (tr)	2018
Corsican (co)	0315	Malayalam (ml)	1312	Tsonga (ts)	2019
Czech (cs)	0319	Mongolian (mn)	1314	Tatar (tt)	2020
Welsh (cy)	0325	Moldavian (mo)	1315	Twi (tw)	2023
Danish (da)	0401	Marathi (mr)	1318	Ukrainian (uk)	2111
Bhutani (dz)	0426	Malay (ms)	1319	Urdu (ur)	2118
Esperanto (eo)	0515	Maltese (mt)	1320	Uzbek (uz)	2126
Estonian (et)	0520	Burmese (my)	1325	Vietnamese (vi)	2209
Basque (eu)	0521	Nauru (na)	1401	Volapük (vo)	2215
Persian (fa)	0601	Nepali (ne)	1405	Wolof (wo)	2315
Finnish (fi)	0609	Norwegian (no)	1415	Xhosa (xh)	2408
Fiji (fj)	0610	Occitan (oc)	1503	Yoruba (yo)	2515
Faroese (fo)	0615	Oromo (om)	1513	Zulu (zu)	2621
Frisian (fy)	0625	Oriya (or)	1518		
Irish (ga)	0701	Panjabi (pa)	1601		
Scots-Gaelic (gd)	0704	Polish (pl)	1612		
Galician (gl)	0712	Pashto, Pushto (ps)	1619		
Guarani (gn)	0714	Quechua (qu)	1721		

Setting Parental Lock

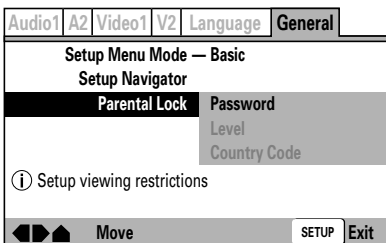
Some DVDs containing violent or other mature material are provided with a parental lock function allowing parents to limit the disc's viewing (see the disc's jacket or label for information). By setting the player's lock level lower than that of the disc, you can limit what discs can be viewed on the player. For example, by setting the player's level to 6, discs with level designation 7 or 8 cannot be viewed unless a previously recorded password is input.

● See P. 24 for menu instructions.

Recording a password

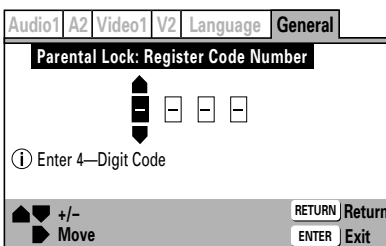
1. Use the four sides of the cursor button (◀/▶/▲/▼) to navigate to the [General] → [Parental Lock] → [Password]

A password must be recorded before the [Level] and [Country Code] can be selected.



2. Press the ENTER button.

The [Register Code Number] screen will appear.

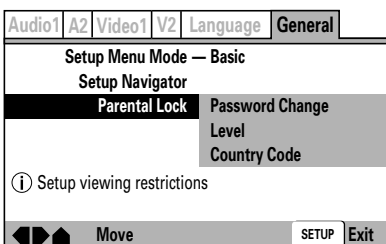


3. Enter a 4-digit numerical code as your new password.

Press the cursor button's up/down sides (▲/▼) to increment/decrement numbers, and use the left/right (◀/▶) sides to move between digits.

4. Press the ENTER button.

The following Setup Menu will be displayed.



Password Change:

Select this item to change your password (code number).

Level:

Select this item to set the parental lock level.

Country Code:

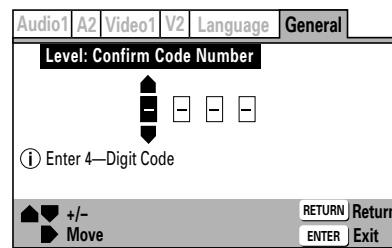
Select this item to select the country code of discs.

- It is recommended that you make a memo of your password number and store in a safe place.
- If you forget your password, return the unit to its factory default settings (see P. 24), and set the password again.
- Some discs allow parental lock to be applied at the scene level, in which case restricted scenes will be skipped during playback. For details, consult the Operation Instructions accompanying your disc.

Change the Parental Lock level

1. Select [Level] and press the ENTER button.

The [Confirm Code Number] screen will appear.

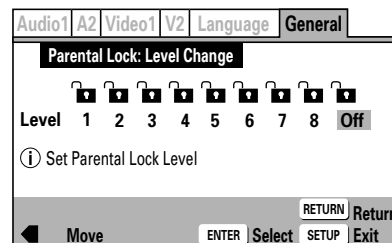


2. Input the previously recorded 4-digit password (code number).

Input the four digits by pressing the cursor button's up/down sides (▲/▼) to increment/decrement numbers, and the left/right (◀/▶) sides to move between digits.

3. Press the ENTER button.

The parental lock level setting screen will appear. The factory default setting is [Off].



4. Press the cursor button's left/right sides (◀/▶) to select the desired level, and press the ENTER button.

The selected parental lock level will be set.

■ To play back DVDs with parental lock restrictions

When an attempt is made to play back a disc restricted with the parental lock function, a screen may appear asking you to input the password (code number). The disc cannot be played back if the code number is not input correctly.

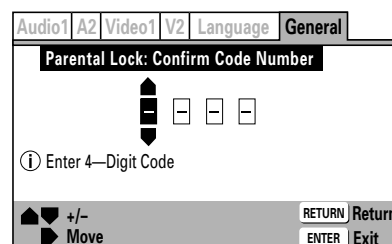
Input the code number as follows:

- ① Input the 4-digits by pressing the cursor button's up/down (▲/▼) sides to increment/decrement numbers, and the left/right sides (◀/▶) to move between digits.
- ② Press the ENTER button.

To change your password

1. Select the [Password Change] and press the ENTER button.

The [Confirm Code Number] screen will appear.

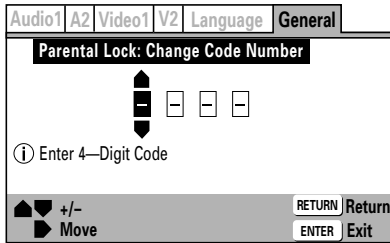


2. Input the previously set code number.

Input the 4-digits by pressing the cursor button's up/down (▲/▼) sides to increment/decrement numbers, and the left/right sides (◀/▶) to move between digits.

3. Press the ENTER button.

The [Change Code Number] screen will appear.



4. Enter a new 4-digit password (code number).

Input the 4-digits by pressing the cursor button's up/down sides (▲/▼) to increment/decrement numbers, and the left/right sides (◀/▶) to move between digits.

5. Press the ENTER button.

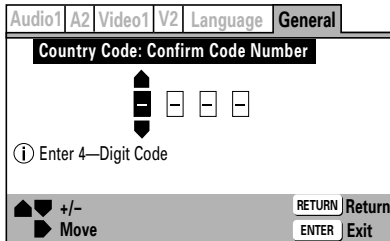
The password (code number) will be changed.

To change the country code

Consult the accompanying Country Code List when making this setting.

1. Select [Country Code] and press the ENTER button.

The [Confirm Code Number] screen will appear.

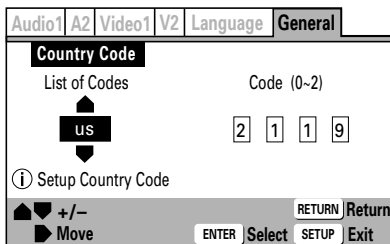


2. Input the previously recorded 4-digit password (code number).

Input the 4-digits by pressing the cursor button's up/down sides (▲/▼) to increment/decrement numbers, and the left/right sides (◀/▶) to move between digits.

3. Press the ENTER button.

The Setup Country Code menu will appear.



4. Select either [List of Codes] or [Code]

The numbers listed in parentheses () beside [Code] indicate the range of numbers possible.

■ **When using [Code] to select the country code:**

(Example) Selecting the code for U.S.A.

Input the 4-digit code number (2, 1, 1, 9) by pressing the cursor button's up/down sides (▲/▼) to increment/decrement numbers, and the left/right sides (◀/▶) to move between digits.

■ **When using [List of Codes] to select the country code:**

(Example) Selecting the code for U.S.A.

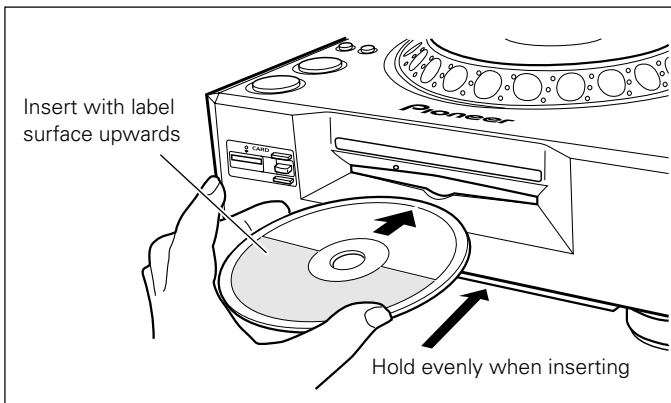
Use the cursor button's down side (▼) to highlight [us].

5. Press the ENTER button.

Country Code List

Country	Input-code	Country-code
ARGENTINA	0118	ar
AUSTRALIA	0121	au
AUSTRIA	0120	at
BELGIUM	0205	be
BRAZIL	0218	br
CANADA	0301	ca
CHILE	0312	cl
CHINA	0314	cn
DENMARK	0411	dk
FINLAND	0609	fi
FRANCE	0618	fr
GERMANY	0405	de
HONG KONG	0811	hk
INDIA	0914	in
INDONESIA	0904	id
ITALY	0920	it
JAPAN	1016	jp
KOREA, REPUBLIC OF	1118	kr
MALAYSIA	1325	my
MEXICO	1324	mx
NETHERLANDS	1412	nl
NEW ZEALAND	1426	nz
NORWAY	1415	no
PAKISTAN	1611	pk
PHILIPPINES	1608	ph
PORTUGAL	1620	pt
RUSSIAN FEDERATION	1821	ru
SINGAPORE	1907	sg
SPAIN	0519	es
SWEDEN	1905	se
SWITZERLAND	0308	ch
TAIWAN	2023	tw
THAILAND	2008	th
UNITED KINGDOM	0702	gb
UNITED STATES OF AMERICA	2119	us

Loading and Removing Discs



1. Set the rear panel POWER switch to ON.

Do not attempt to force a disc into the slot when the POWER switch is turned OFF, since the disc or loading mechanism may be damaged.

2. Insert the disc into the loading slot.

- Hold the disc with label surface upwards and insert evenly into the front-panel disc loading slot.
- When using 8cm compact discs, place the disc into an adapter first.
- Only one disc can be loaded at a time. Do not attempt to load two or more discs simultaneously, or to load a second disc when another disc is already loaded.
- When loading a disc, do not apply bending force on the disc, or attempt to force the disc into the mechanism. Also, when the loading mechanism begins to pull the disc into the player or to eject a disc, do not attempt to forcibly override the mechanism's movement, since the disc or loading mechanism may be damaged.

3. When the eject/stop mode select switch is set to UNLOCK, press the EJECT (▲) button to eject a loaded disc.


If the eject/stop mode select switch is set to LOCK, during playback press the PLAY/PAUSE (▶/II) button to first stop the disc, then press the EJECT (▲) button. If a cue point has been set, during playback press the CUE button to initiate back cue, then press the EJECT (▲) button to eject the disc.

- When the button is pressed, disc rotation will stop and the disc will be ejected partway from the loading slot.

Note:

Do not attempt to press the disc back into the slot while the "EJECT" indicator is lighted. If the disc is pressed back in while the "EJECT" indicator is lighted, the loading mechanism may stop. In this case, press the EJECT (▲) button again, and do not attempt to reload the disc until the "EJECT" indicator has turned OFF.

Precautions when playing 8cm CD singles

- ① When playing 8cm CD singles, be sure to use an adapter designed for 8cm CDs. Before loading the disc into the player, confirm that the disc is fastened correctly by the adapter's tabs. If an 8cm disc is loaded by mistake without an adapter, immediately press the EJECT (▲) button and remove the disc. If the disc is not ejected the first time the EJECT (▲) button is pressed, press the button again.
- ② Use only 8cm disc adapters that feature the  logo mark (recommended compatible adapters). When mounting the disc to an adapter, confirm that the disc is able to rotate freely, and is not bent or warped.

Forced eject function

If a disc fails to be ejected when the EJECT (▲) button is pressed or otherwise when you cannot remove a disc, insert the provided pin into the forced eject hole at the front of the player (see illustration) and press to eject the disc. When using the forced eject function, be sure to following the accompanying precautions.

- ① Turn off the player's power and wait for at least one minute.

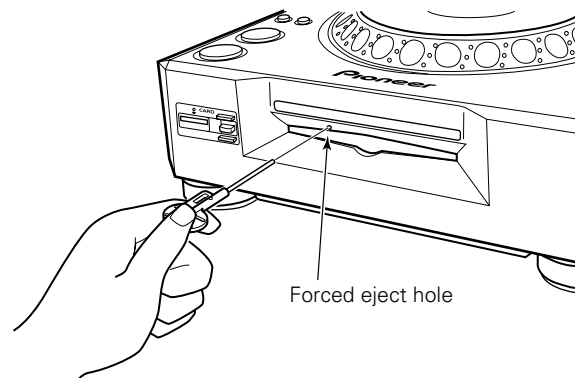


Attempting the forced eject function immediately after turning off the power may cause the following dangers:

- The disc may be ejected while still rotating, resulting in personal injury.
- The disc may be damaged due to the disc clamp's rotating in an unstable condition.

- ② Use only the provided accessory pin for this procedure (do not use other pointed objects). **The forced eject pin is located on the bottom surface of the player.**

When the accessory pin is inserted **fully** into the forced eject hole, the disc will be ejected from the loading slot by about 5-10mm. It can then be grasped with the fingers and removed.

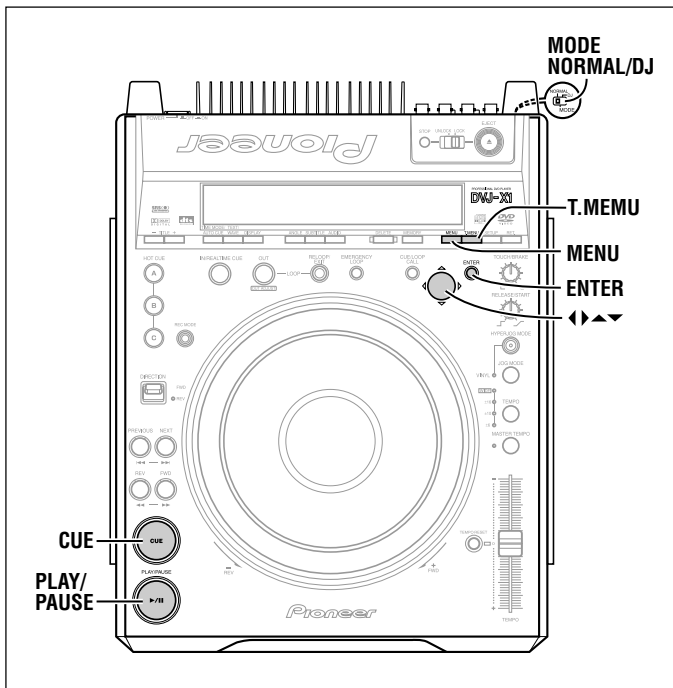


Note:

This player does not support playback of 8 cm DVDs. Do not attempt to use adapters meant for 8 cm CDs, since the adapter may come loose during rotation, causing damage to the disc or component.

Basic Operations

Buttons and controls with the **DJ** mark are disabled when the mode select switch is set to **NORMAL**.
Buttons and controls with the **NORMAL** mark are disabled when the mode select switch is set to **DJ**.



Beginning playback

The playback operation differs depending on the type of disc, the setting of the rear panel mode select switch, and the setting of auto cue and other functions.

When a CD is loaded

When the rear panel **mode select switch (MODE NORMAL/DJ)** is set to "**NORMAL**", playback will begin automatically from the first track, and when the final track ends, playback will stop. Special DJ functions are not supported in this mode.

When the rear panel **mode select switch (MODE NORMAL/DJ)** is set to the "**DJ**", if the auto cue function (see next section) is OFF, playback will begin automatically from the first track, and when the final track ends, playback will stop and the unit will enter standby. If the auto cue function is set to ON, the player will cue to the cue point and the outer rim of the **CUE** button will light, and the **PLAY/PAUSE (▶/II)** button's outer rim indicator will flash, indicating the player is in the standby mode. When the **PLAY/PAUSE (▶/II)** button is pressed, the player will skip over the non-recorded portion of the indicated track and immediately begin playback. When a single track ends, the player will cue to the next playback point, the outer rim of the **CUE** button will light, and the **PLAY/PAUSE (▶/II)** button's outer rim indicator will flash, indicating the player is in the standby mode. When the **PLAY/PAUSE (▶/II)** button is pressed, playback will begin from the next track.

When playing a CD-ROM disc recorded with MP3 files, playback will begin automatically from the first track in the first folder on the disc; when the final track of the folder ends, playback will stop and the unit will enter standby.

- If a CD-ROM disc is inserted that has no MP3 files in its first session, the "**NO TRACK**" indicator will be displayed and playback will not begin.

When a DVD is loaded

When a commercial DVD title is loaded, the initial default cautionary warnings will be displayed first (these warning messages cannot be skipped). When the DVD is recorded with a menu and automatic playback start has not been set, the menu will appear. The menu can also be displayed by pressing the **MENU** button or the top menu (**T.MENU**) button. The menu allows the setting of audio and subtitle languages, and the selection of special features on the disc.

EXAMPLE: Main Menu

1. Highlight clips
2. Chapter list
3. Previews
4. Subtitle settings
5. Audio settings
6. Play

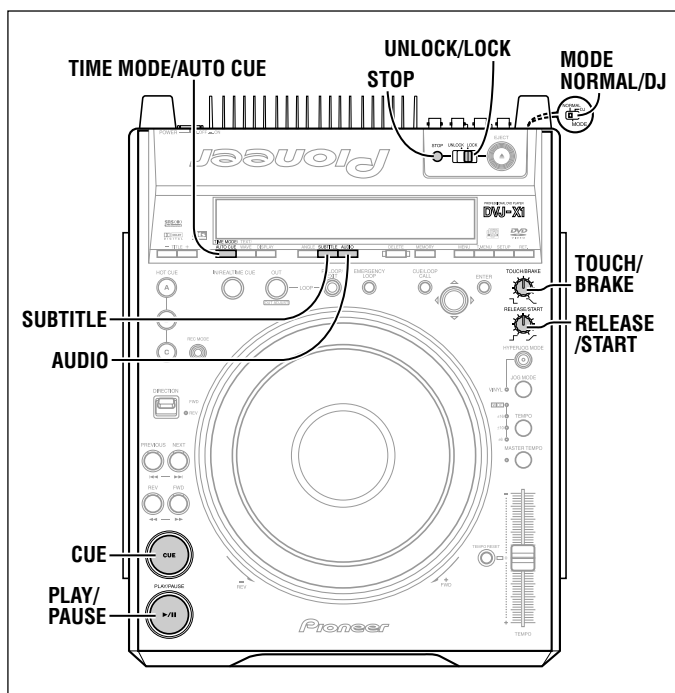
Depending on the disc, the style, contents, and operation method used in the menu may be different. Basic operations are performed by using the cursor button's four sides (◀/▶/▲/▼) to select options, and by pressing the **ENTER** button to confirm the selection. For detailed instructions on using a disc's menu, consult the operating guide provided with the disc.

★ **DJ operations cannot be performed on the menu display.**

When the rear panel **mode select switch (MODE NORMAL/DJ)** is set to "**NORMAL**" and the disc has been set for automatic playback start (or the menu's "Play" item has been selected), playback will begin. Special DJ functions are not supported in this mode.

When the rear panel **mode select switch (MODE NORMAL/DJ)** is set to "**DJ**" and auto cue function (see next item) is OFF, if the disc is set for automatic playback start (or the menu's "Play" item has been selected), playback will begin. If the auto cue function is ON, the player will automatically cue to the cue point, the outer rim of the **CUE** button will light, and the **PLAY/PAUSE (▶/II)** button's outer rim indicator will flash, indicating the player is in the standby mode. When the **PLAY/PAUSE (▶/II)** button is pressed, the player will skip over the non-recorded portion of the indicated chapter and immediately begin playback. When a single chapter ends, the player will cue to the next playback point, the outer rim of the **CUE** button will light, and the **PLAY/PAUSE (▶/II)** button's outer rim indicator will flash, indicating the player is in the standby mode. When the **PLAY/PAUSE (▶/II)** button is pressed, the player will begin playback of the next chapter.

- Some of the above operations may not be supported, depending on the disc or the portion being played.



Auto cue function

- ★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

This function is used to skip non-recorded (silent) portions at the beginning of tracks and automatically set the cue point (P. 40) immediately before actual sound begins when loading a disc, performing track search (chapter search), and when the playback track (chapter) changes.

Setting auto cue ON/OFF

Hold the **TIME MODE/AUTO CUE** button depressed for 1 second or more to alternate the auto cue function ON/OFF. The display's auto cue indicator (**A.CUE**) lights when the auto cue function is active.

- The auto cue function ON/OFF status is memorized even when the player's power is turned off.
- The auto cue sensitivity level can be changed if desired.

Changing the auto cue sensitivity level

1. Hold the **TIME MODE/AUTO CUE** button depressed for 5 seconds or more.

- The display will show the "A.CUE -60dB" indicator (factory default setting).

2. Press the cursor button's LEFT/RIGHT sides (◀/▶) to change the sensitivity level.

- Supported sensitivity levels include: -36dB, -42dB, -48dB, -54dB, -60dB, -66dB, -72dB, -78dB.
- Either press the **TIME MODE/AUTO CUE** button or wait 15 seconds and the setting mode will be canceled and the newly selected level will be set.
- The newly set sensitivity level is memorized even when the player's power is turned off.

To stop playback

- When the eject/stop mode select switch (UNLOCK/LOCK) is set to UNLOCK: Press the **STOP** button.

- When the eject/stop mode select switch (UNLOCK/LOCK) is set to LOCK: During playback, press the **PLAY/PAUSE** (▶/⏸) button, or if a cue point has been set, during playback press the **CUE** button to initiate back cue, then press the **STOP** button.

- When **STOP** button is pressed in the **NORMAL** mode during DVD playback, the "RESUME" message will be displayed, and the place where the disc is stopped will be stored in memory (resume function).
- To resume playback from the place earlier stopped, press the **PLAY/PAUSE** (▶/⏸) button.
- The resume function is canceled if the disc is removed or if the **STOP** button is pressed again while already in the stop mode.

To temporarily interrupt playback (pause mode)

During playback, press the **PLAY/PAUSE** (▶/⏸) button.

- The outer rim indicators of the **PLAY/PAUSE** (▶/⏸) button and **CUE** button will flash, and playback will be interrupted.
- Some DVDs prohibit the use of playback pause; in this case pressing the **PLAY/PAUSE** (▶/⏸) button will cause the prohibited mark Ⓞ to light, and the corresponding prohibited mark Ⓢ will appear on the preview monitor.
- If the **PLAY/PAUSE** (▶/⏸) button is pressed when the unit is in the pause mode, the button rim indicators will go out and playback will resume.
- If the pause mode is allowed to continue for 80 minutes or more, the disc playback will automatically stop. In this case, press the **PLAY/PAUSE** (▶/⏸) button to resume playback.

[In DJ mode, with jog mode set to VINYL mode OFF]

- Placing the player in pause mode enables audible pause (the video image appears as a still image, but audio sound can be heard intermittently). If sound is not desired in this case, lower the audio mixer's output level.

[In DJ mode, with jog mode set to VINYL mode ON]

- Placing the player in pause mode enables silent pause (still image with no sound).
- The **TOUCH/BRAKE** response dial can be used to modify the disc's deceleration speed (time until playback stops).
- The **RELEASE/START** response dial can be used to modify the disc's playback acceleration time (time until disc reaches full playback speed).

[In NORMAL mode]

- Placing the player in pause mode enables silent pause (still image with no sound).

To change language/subtitle settings during playback (DVD only)

To change language during playback:

The language setting can be changed during playback when the DVD has been recorded with multiple language options.

Press the **AUDIO** button.

The currently selected audio (language) option will be displayed on the screen. Each time the button is pressed the language will alternate between the available language options.

- If the language is changed when the player is in DJ mode, both video and audio playback will be temporarily interrupted (due to writing to buffer memory).
- Some discs do not allow the audio language option to be changed with the **AUDIO** button (pressing the button will cause the prohibited mark Ⓞ to light, and the corresponding prohibited mark Ⓢ will appear on the screen). In this case, go to the disc's main menu to switch the language option.
- When a disc is removed from the player, the language setting will revert to that selected on the Setup Menu (P.30).
- With some discs, changing the language will cause the image to pause momentarily.

Changing the subtitle option during playback

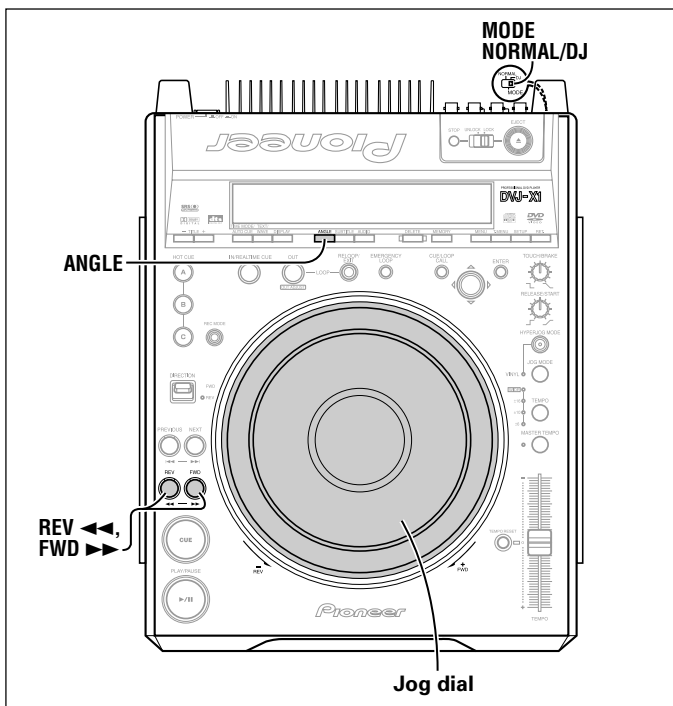
- ★ This option is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to DJ (subtitles are not displayed in DJ mode).

The subtitle language can be changed when the DVD has been recorded with multiple subtitle language options.

Press the **SUBTITLE** button.

The currently selected subtitle option will be displayed on the screen. Each time the button is pressed, the subtitle language will alternate between the available options; if OFF is selected, subtitles will not appear.

- Some discs do not allow the subtitle option to be changed with the **SUBTITLE** button (pressing the button will cause the prohibited mark Ⓞ to light, and the corresponding prohibited mark Ⓢ will appear on the screen). In this case, go to the disc's main menu to switch the subtitle language.
- When a disc is removed from the player, the subtitle setting will revert to that selected on the Setup Menu (P.31).



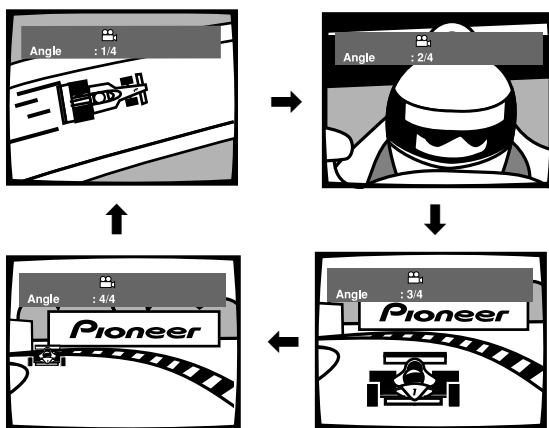
Changing the viewing angle (DVD only)

Alternate viewing angles can be selected during playback of DVDs recorded with multiple angles.

- DVDs recorded with multiple angles display the mark on their jacket.

During playback, when the mark is displayed, press the ANGLE button.

Each time the button is pressed the angle view alternates between those available.



- If the angle is changed when the player is in DJ mode, both video and audio playback will be temporarily interrupted (due to writing to buffer memory).
- Some discs may not allow changing of the viewing angle, even though they display the mark.
- While in NORMAL mode or the main unit's display shows "DISABLE DJ MODE" message, the pause mode will be released if the angle is changed during playback pause.
- Some DVDs allow changing of the angle by means of the disc's main menu as well.

To turn off the angle indicator

While in NORMAL mode, go to the Setup Menu and set [Angle Indicator] to [Off] (P.30).

Regardless of the setting of the Setup Menu's [Angle Indicator], when in DJ mode, the mark will not appear in individual scenes during playback. When display mode is ON, the mark will be displayed within the guide area of the preview monitor, during the playback of points that allow the selection of alternate angles.

Fast forward/fast reverse

Press the manual search buttons (REV◀◀, FWD▶▶) during playback or when in the pause mode.

[During CD playback]

- Hold the FWD▶▶ button depressed to perform fast forward.
- Hold the REV◀◀ button depressed to perform fast reverse.

[During DVD playback in DJ mode]

- Hold the FWD▶▶ button depressed to perform fast forward.
- Hold the REV◀◀ button depressed to perform fast reverse.
- Fast forward and reverse are performed only within a single disc title.

[During DVD playback in NORMAL mode]

- Press the FWD▶▶ button to perform fast forward.
- Press the REV◀◀ button to perform fast reverse.
- Each time the button is pressed and released, the speed of fast forward/reverse changes (in three stages). Press the PLAY/PAUSE (▶/||) button to return the player from search mode to normal playback mode. No sound is output during manual search.

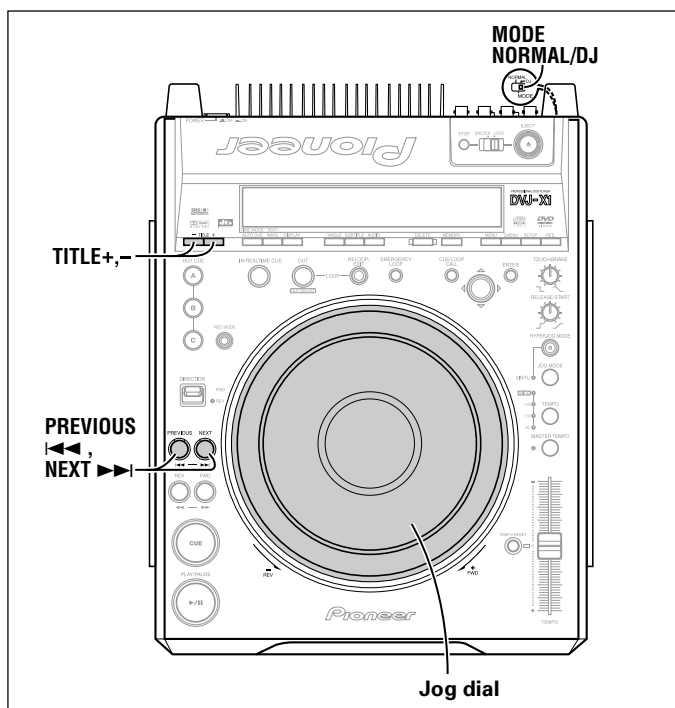
- Some DVDs prohibit the use of manual search. In this case, the prohibited mark will light, and the same prohibited mark will appear on the preview monitor screen.
- When playing a DVD in DJ mode, the above functions may not be supported depending on the disc or on the part being played.
- In the case of MP3, fast forward and reverse can be performed only within the same folder.
- In the case of MP3, the speed of fast forward/fast reverse may be reduced, depending on the file.

■ Super-fast search

Rotate the jog dial while holding either one of the manual search buttons (REV◀◀, FWD▶▶) depressed.

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

- While holding either button depressed, rotate the jog dial in the direction you wish the search operation to occur, and the player will enter the super-fast search mode.
- The search direction corresponds to the direction of jog dial rotation (rotate clockwise for fast forward, counterclockwise for fast reverse). The direction indicated by the manual search button is ignored.
- When the jog dial is released, the disc will enter the playback mode.
- If the manual search button is released, the super-fast search mode will be canceled.
- In the case of MP3, fast forward and reverse can be performed only within the same folder.
- In the case of MP3, the speed of fast forward/fast reverse may be reduced, depending on the file.



Track search (skip)

Press one of the track search button (PREVIOUS ◀◀, NEXT ▶▶).

- Each time the button is pressed, playback skips to the next chapter (DVD) or track (CD) in the direction indicated by the button pressed. To return to the start of the currently playing track, press the **PREVIOUS** ◀◀ button once. To return to the beginning of the track preceding the currently playing track, press the **PREVIOUS** ◀◀ button twice.
- Hold the button depressed to perform continuous track search. If the button is held depressed for 2 seconds, the search speed will increase.
- If auto cue is enabled and the player is in cue standby mode at the beginning of a track, pressing the **PREVIOUS** ◀◀ button will cause the player to search for the track previous to the current one, and enter cue standby at the beginning of that track.
- In the case of MP3, the search will skip to the first track found in the designated direction; also, the skip function is supported only within the same folder.

[During CD playback]

- During playback of the disc's first track (01), pressing the **PREVIOUS** ◀◀ button twice in succession will cause the player to search for the beginning of the last track. In the case of MP3, when reverse direction skip is performed down to the lowest numbered track, the next skip will take it to the last track in the same folder.
- During playback of the last track, pressing the **NEXT** ▶▶ button once will cause the player to search for the disc's first track (01). In the case of MP3, if you attempt to move beyond the last track, the skip will move to the lowest numbered track within the same folder.

[During DVD playback in DJ mode]

- During playback of the disc's first chapter (001), pressing the **PREVIOUS** ◀◀ button twice in succession will cause the player to search for the beginning of the last chapter.
- During playback of the last chapter, pressing the **NEXT** ▶▶ button will cause the player to search for the disc's first chapter (001).

[During DVD playback in NORMAL mode]

- During playback of the last chapter, pressing the **NEXT** ▶▶ button will cause the player to search for the disc's next title.
- Some DVDs prohibit the use of chapter search. In this case, the prohibited mark ⊘ will light, and the same prohibited mark ⊘ will appear on the preview monitor screen.
- When playing a DVD in DJ mode, the above functions may not be supported depending on the disc or on the part being played.

Super-fast track search **[DJ]**

Rotate the jog dial while holding either one of the track search buttons (PREVIOUS ◀◀, NEXT ▶▶) depressed.

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

- While holding either button depressed, rotate the jog dial in the direction you wish the search operation to occur, and the player will search for tracks in response to the amount of jog dial rotation.
- The search direction corresponds to the direction of jog dial rotation (rotate clockwise for fast forward, counterclockwise for fast reverse). The direction indicated by the track search button is ignored.
- The super-fast track search mode is canceled when the track search button is released.

Title search (DVD only)

Press the title search button (TITLE +/-).

- Each time the button is pressed, the player will search for the next (or previous) title (or PGC on multi-PGC discs) in the direction indicated.
- If the button is held depressed, the player will enter continuous search mode. If the button is held depressed for 2 seconds, the search speed will accelerate.
- Some DVDs prohibit the use of title search. In this case, the prohibited mark ⊘ will light, and the same prohibited mark ⊘ will appear on the preview monitor screen.
- When playing a DVD in DJ mode, the above functions may not be supported depending on the disc or on the part being played.

Super-fast title search **[DJ]**

Rotate the jog dial while holding either one of the title search buttons (TITLE +/-) depressed.

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

- While holding either of the buttons depressed, rotate the jog dial in the direction you wish the search operation to occur, and the player will search for titles in response to the amount of jog dial rotation.
- The search direction corresponds to the direction of jog dial rotation (rotate clockwise for fast forward, counterclockwise for fast reverse). The direction indicated by the title search button is ignored.
- The super-fast track search mode is canceled when the title search button is released.

Folder search (MP3 only)

Use this function when performing track search on CD-ROM with layered folder structure.

Press the title search button (TITLE +/-).

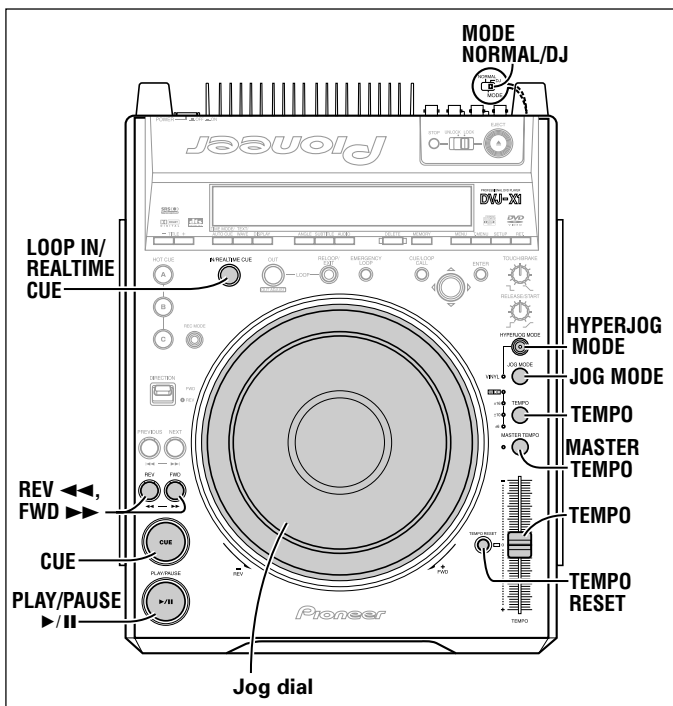
- Each time the button is pressed, search advances in the next folder of the direction designated by the button pressed. In the root directory, the folder number "00" and folder name "ROOT" are displayed.
- If the button is held depressed, continuous folder search will be performed. If the button is held depressed for two seconds or more, the speed of search will increase.
- If an attempt is made to move backwards from the lowest numbered folder, the search will move to the last folder on the disc.
- If an attempt is made to move forwards from the highest numbered (last) folder, the search will move to the first (lowest numbered) folder on the disc.
- Folders not containing any playable tracks will be ignored, and the search will move to the next folder.

Super-fast folder search **[DJ]**

While holding one of the title search buttons (TITLE +/-) depressed, turn the jog dial.

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

- While holding one of the buttons depressed, rotate the jog dial in the direction corresponding to the desired direction of search; search of folder numbers will be quickly performed in the indicated direction.
- The search direction corresponds to the direction of jog dial rotation (rotate clockwise for fast forward, counterclockwise for fast reverse). The direction indicated by the title search button is ignored.
- When the title button is released, the super-fast folder search mode is canceled.



Setting cue points

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

When a cue point has been previously set, pressing the CUE button during playback will cause the player to move instantly to the cue point and enter the cue standby mode.

- Storing to memory may not be possible while the jog dial's audio/video memory status display is flashing.

Setting a cue point with VINYL mode OFF

1. During playback, press the PLAY/PAUSE (▶/||) button near the point you wish to set as a cue point. The player will enter the pause mode.

2. Search for the precise cue point.

● Using frame numbers:

The cue point position can be set in units of single frames (75 frames per second).

Using the jog dial or the search buttons (REV◀◀, FWD▶▶), advance or reverse the frames to the desired point. One revolution of the jog dial is equivalent to 135 frames; each time the search button is pressed, the disc moves one frame in the direction corresponding to the button.

● Search for cue point using audible pause:

Rotate the jog dial slowly and reverse the disc to the instant just prior to the point from which you wish to begin playback (the cue point will be set at the point immediately after the sound heard during audible pause).

3. When you have found the desired cue point using the frame number or audible pause, press the CUE button.

- The CUE button's rim indicator will light to indicate that the new cue point has been recorded in memory.
- During DVD playback, a thumbnail of the cue point appears on the preview monitor screen.
- During CD or MP3 playback, the cue point's track number and time are displayed on the preview screen.
- When a new cue point is recorded in memory, the previously memorized cue point will be erased.

[Modifying a cue point]

1. During playback, press the CUE button.

- Playback will return to the set cue point and enter cue standby.

2. Use the search buttons (REV◀◀, FWD▶▶) to enter audible pause mode.

3. Find the new cue point by performing steps 2 and 3 of the above section "Setting a cue point with VINYL mode OFF".

Setting a cue point with VINYL mode ON

1. As playback nears the desired cue point, either press the top surface of the jog dial or press the PLAY/PAUSE (▶/||) button to set the unit in pause mode.

2. While pressing the surface of the jog dial, listen to the playback sound as you rotate the dial, and return playback to the point just before the spot you wish to use as the cue point.

3. When the sound is at the desired cue point, continue holding the surface of the jog dial depressed, and press the CUE button.

- The CUE button's rim indicator will light to indicate that the new cue point has been recorded in memory.
- When a new cue point is recorded in memory, the previously memorized cue point will be erased.

[Modifying a cue point]

1. During playback, press the CUE button.

- Playback will return to the set cue point and enter cue standby.

2. Perform steps 2 and 3 of the previous section "Setting a cue point with VINYL mode ON".

- In the same way as for VINYL mode OFF, The search buttons (REV◀◀, FWD▶▶) can also be used to modify a cue point.

Real time cue

During forward playback, press the LOOP IN/REALTIME CUE button at the place you wish to set as cue point.

- This point will be recorded as the new cue point.

Confirm cue point (cue point sampler)

After setting a cue point, depress the CUE button while the unit is in the cue standby mode.

- The audio and video from the cue point will be played back while the CUE button is held depressed, allowing you to confirm the point.

To return to a cue point (back cue)

During playback, press the CUE button.

- Playback will return to the previously set cue point, sound will be muted, and the monitor screen will display black background as the unit enters the cue standby mode.
- Press the PLAY/PAUSE (▶/||) button to resume playback instantly from the cue point.
- When playing a DVD that prohibits title or other searches, playback will continue, and the prohibited mark (⊘) will appear in the display; the similar mark (⊙) will appear on the preview monitor screen.
- In the case of MP3, back cue is supported only within one and the same folder.

Changing playback speed

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

Slide the TEMPO control slider forward or back.

When the slider is moved forward (+), playback speed will increase, and when moved back (-), playback speed will decrease.

- The rate of tempo change is displayed.
- It is also possible to change playback speed without affecting the pitch (see P.41, "Setting master tempo").

Selecting a tempo control range

Press the TEMPO button.

Each time the button is pressed, the TEMPO control slider's variable control range alternates between the values ±6%, ±10%, ±16%, and WIDE. The range can be adjusted in increments of 0.02% (for ±6%), 0.05% (for ±10%), 0.05% (for ±16%), and 0.5% (for WIDE).

- The variable control range setting value is shown by the tempo control range indicator, as well as in the onscreen display.
- The variability in the WIDE range is:
 - ±100% (CD)
 - +70% to -100% (DVD, MP3)

Tempo Reset

Press the TEMPO RESET button.

The tempo reset indicator lights and the TEMPO change rate is reset to "0" (normal tempo), regardless of the position of the control slider.

- If the TEMPO RESET button is pressed once again, tempo reset is canceled, and the tempo returns to the value set with the TEMPO control slider.

Setting master tempo

- ★ **This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.**

During playback, press the MASTER TEMPO button.

The master tempo indicator lights and the "MT" indicator appears on the display. In this way, the music pitch will not vary even if the TEMPO control slider is used to change the tempo (speed).

- Note that sound quality will deteriorate, however, due to digital processing of the audio signals.

Jog dial functions

- ★ **This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.**

1. Rotate during playback (pitch bend).

When the jog dial is set to VINYL mode ON, take care to operate the jog dial by rotating its outer periphery (the inclined surface); touching the top panel will cause operation of a separate function.

- Playback is accelerated (FWD+) or decelerated (REV-) in an amount corresponding to the degree of jog dial rotation. In the reverse play mode, the operating directions are reversed (accelerated when rotated in the REV- direction, and decelerated when rotated in the FWD+ direction).

- When the jog dial rotation is stopped, playback returns to its previous speed.

2. Rotate during playback (scratch play).

See the section "Scratch Play" in Advanced Operations (P. 42).

3. Rotate during pause (frame search).

[When jog mode is in VINYL mode OFF]

The player will enter the audible pause mode (the paused image is displayed).

- When the jog dial is rotated, the audible pause position changes in individual frame units, in the direction corresponding to the direction of jog dial rotation.
- One full revolution of the jog dial is equivalent to 1.8 seconds (135 frames) of disc advance (or reversal).

[When jog mode is in VINYL mode ON]

The player will enter the silent pause mode (the paused image is displayed).

- When the jog dial is rotated, the disc is played back in the direction and at a speed proportional to the direction and speed of jog dial rotation, and the pause position changes in individual frame units.
- When the hand is removed from the surface of the jog dial and rotation stops, the unit enters the silent pause mode again with paused image displayed.
- One full revolution of the jog dial is equivalent to 1.8 seconds (135 frames) of disc advance (or reversal).

4. Rotate during playback or in pause mode (spin).

See the section "Spin play" in Advanced Operations (P. 42).

5. Rotate during playback, while depressing the manual search button (super-fast search).

While holding one of the manual search buttons (REV◀◀, FWD▶▶) depressed, rotate the jog dial in the direction corresponding to the direction of desired search; the search will be performed at faster-than-normal speed.

6. Rotate while depressing track search button (super-fast track search).

While holding one of the track search buttons (PREVIOUS◀◀, NEXT▶▶) depressed, rotate the jog dial in the direction corresponding to the direction of desired search (track search or chapter search); the search will be performed at a faster-than-normal speed, proportionate to the direction and speed of jog dial rotation.

7. Rotate while depressing title search button.

(Super-fast title search) (DVD)

(Super-fast folder search) (MP3)

While holding one of the title search buttons (TITLE +, -) depressed, turn the jog dial in the direction you wish to perform the search. Super-fast title (or folder) search will be performed in the direction the jog dial is turned, and in proportion to the speed of the jog dial's rotation.

Note:

The top surface of the jog dial is equipped with a pressure-sensitive switch. Do not rest objects on the dial, or subject it to severe impact or pressure. Also, do not rest drinks or other liquids near the dial; if the liquid spills, it can enter the parts of the dial, causing damage.

[Hyper jog mode]

With jog mode set to VINYL ON, if the HYPERJOG MODE button is pressed so that the indicator lights, the rate of change of picture and sound produced in response to rotation of the jog dial increases to 2x the rate of change produced when the hyper jog mode is OFF.

Mixing different tracks (splicing)

- ★ **This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.**

(Example) To splice the next track (B) to the currently playing track (A).

- Connect the first player A to DJ mixer CH-1, and second player B to CH-2.

- Raise trim, channel fader, and master volume to appropriate levels, and set player A for playback.

1. Set the DJ mixer's CROSS FADER lever to the left (CH-1) side.

- Track A plays.

2. Load the desired disc on player B.

3. Press the track search button (PREVIOUS◀◀, NEXT▶▶) on the player B to select the desired track B.

4. Monitor CH-2 on the DJ mixer.

5. Rotate the DJ mixer's MONITOR LEVEL dial and listen to track B on headphones.

- The main speakers produce the sound of track A only.

6. Select the cue point for track B while listening on the headphones.

- ① With the player B in playback mode, press the PLAY/PAUSE (▶/||) button near the desired track B cue point.

- If the jog mode is set to VINYL mode OFF, the audible pause mode will be enabled; if the jog mode is VINYL mode ON, the silent pause mode will be enabled.

- ② Rotate the player B jog dial to find the exact cue point (first beat) of track B.

- ③ Once track B's cue point has been set, press the CUE button on player B.

- Sound will be muted and the cue point will be set.

7. In beat with the sound of track A from the speakers, press the player B's PLAY/PAUSE (▶/||) button.

- The speakers will produce the sound of track A.
- The headphones will produce the sound of track B.

8. Move the second player B's TEMPO control slider so that the tempo (BPM) of track A and B are aligned.

Move the player B's TEMPO control slider so that the displayed BPM of track B matches the BPM value for track A.

- When the BPM numbers match, tempo adjustment is completed.

9. Press the player B's CUE button.

- The player B will return to the previously set track B cue point.

10. While listening to the closing sounds of player A's track A from the speakers, press the player B's PLAY/PAUSE (▶/||) button.

- The player B begins playing track B.

11. While confirming the sound on the headphone, steadily move the DJ mixer's cross fader lever toward the right side.

- The sounds of track B will gradually mix with and replace the sounds of track A heard from the speaker.
- When the DJ mixer's cross fader lever has moved completely to the right side, the splicing has been completed.

■ Long mix play

As long as the BPM rates match, track A and track B will mix well, even if the cross fader lever is in the middle position.

■ Fader start play

Using the cross fader start function on the DJM-600, DJM-500, DJM-300, DJM-3000, DJM-909, or DJM-707, the mixing operation can be simplified by eliminating step 10 (above).

Also, when the cross fader lever is returned, the players return to the status of step 9 (above), so sound can be produced repeatedly.

Advanced Operations

Buttons and controls with the **DJ** mark are disabled when the mode select switch is set to **NORMAL**.

Hot cue **DJ**

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the **NORMAL** position.

This function allows playback to be started quickly from one of three points (A, B, C), by previous setting of cue point and loop information.

- Storing to memory may not be possible while the jog dial's audio/video memory status display is flashing.

■ Setting hot cue point

1. Press the **HOT CUE REC MODE** button so that the **HOT CUE A, B, and C** button indicators light red.
2. During playback, pause mode or cue standby mode, find the point you wish to use as the hot cue, and at that point press the button (A, B, or C) in which you wish to store the cue information.

- The button memory will be recorded with the time position data and playback method.
- The pressed button will flash red for about 2 seconds, then light steadily.
- During DVD playback, a thumbnail of the hot cue point will be displayed on the preview monitor screen.
- If the **HOT CUE** button is pressed during the loop setting mode (while **LOOP OUT/OUT ADJUST** button and **LOOP IN/REALTIME CUE** buttons are flashing), the currently playing loop information will be stored in memory.
- If a memory card is loaded, the data recorded to the **HOT CUE** button will be stored on the memory card; in this way, the previously set information can be called up quickly when playing the same disc at a later date (see P.46).



■ Starting a hot cue

1. Press the **HOT CUE REC MODE** button so that the **HOT CUE A, B, and C** button indicators light green or orange.

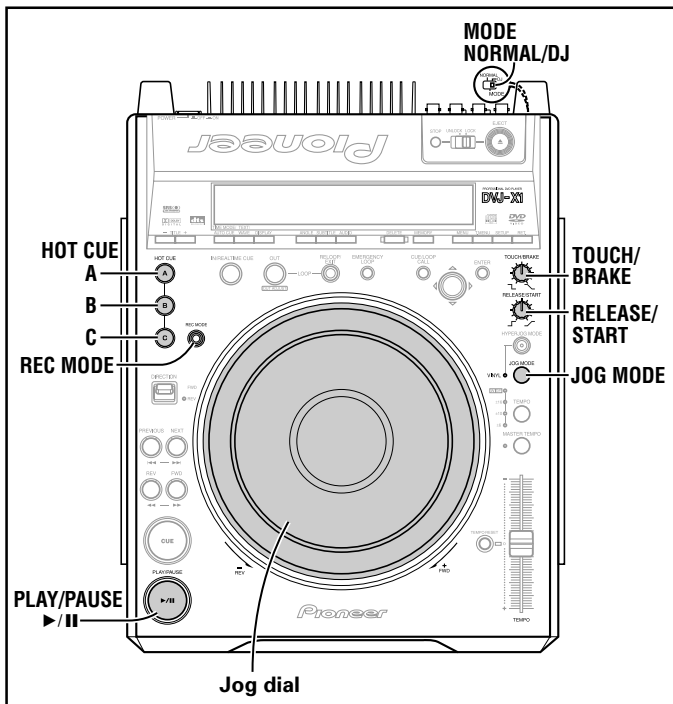
- Buttons containing stored hot cue points will light green.
- Buttons containing stored loop information will light orange.
- Buttons without any stored information will not light.

2. During playback, pause, or cue standby mode, press one of the buttons with stored information (A, B, or C).

- During playback, pause mode or cue standby mode, if a green or orange lighted button is pressed, playback will begin instantly based on the information recorded in the button. In this case, cue point information stored in the normal **CUE** button, or loop information stored in the **RELOOP/EXIT** button will not be overwritten, but remain valid.
- Pressing a **HOT CUE** button with stored loop information causes loop playback to begin instantly based on the stored information. In this case, the **RELOOP/EXIT** button can be used to cancel the loop playback just as with normal loop play, and the **LOOP OUT/OUT ADJUST** button can likewise be used to modify the loop-out point. If loop information is modified, the loop information stored in the button will simultaneously be modified.
- If a memory card is loaded, inserting a disc will allow previously recorded hot cue and loop information for that disc to be restored (see P.47).

* When playing a DVD that prohibits title or other searches, it may be impossible to begin playback from the hot cue point. In this case, the prohibited mark  will appear in the display and the similar mark  will appear on the preview monitor screen.

* In the case of MP3, hot cue is supported only within one and the same folder.



Scratch play **DJ**

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the **NORMAL** position.

When the jog mode is set to **VINYL** mode ON, pressing the jog dial's top panel while rotating the dial will cause audio and video to be output in proportion to the direction and speed of jog dial rotation.

1. Press the **JOE MODE** select button so that the **VINYL** mode indicator lights.

2. During playback, press the top of the jog dial.

- Playback will slow and come to a stop (the time required to complete stop can be set independently).
- If the jog dial is rotated as playback slows but before it has completely stopped, sound will be interrupted suddenly, and will then start again, but in the direction corresponding to the direction the jog dial is rotated in step 3.

3. Rotate the jog dial in the desired direction of playback.

- Playback will occur in proportion to the direction and speed of jog dial rotation.

4. Release hand from surface of jog dial.

- Playback will return to its original status (the time required until full acceleration can be set independently).

■ To set the deceleration time (time until playback fully stops when jog dial surface is pressed)

Rotate the **TOUCH/BRAKE** response dial.

- The time till playback stops changes.

■ To set the acceleration time (time until playback fully regains original speed when hand is released from jog dial surface)

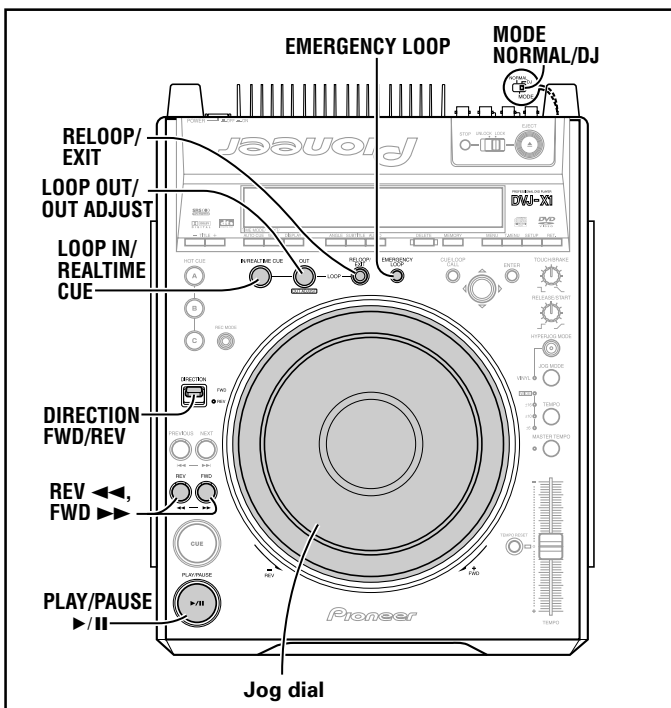
Rotate the **RELEASE/START** response dial.

- The time till playback returns to normal speed changes.

Spin play **DJ**

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the **NORMAL** position.

With **VINYL** mode ON, press the surface of the jog dial, or press the **PLAY/PAUSE** (▶/II) button to set the unit to pause, then rotate the jog dial quickly; even if you remove your hand from the jog dial, playback will occur in proportion to the direction and speed of the jog dial rotation.



Loop playback

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

■ To create a loop

1. Press the **PLAY/PAUSE** (▶/||) button to begin playback.
2. During playback, press the **LOOP IN/REALTIME CUE** button.
 - This step is unnecessary if you wish to use a previously recorded cue point as the loop-in point.
 - During the time required for writing the loop-in point, the **LOOP IN/REALTIME CUE** button will flash for about 2 seconds.
3. During playback, press the **LOOP OUT/OUT ADJUST** button at the point you wish to use as the loop-out point.
 - Repeat play (loop play) will begin without break between the selected loop-in and loop-out points.
 - The frame search function can be used to set more accurate out points.
 - If an alternate viewing angle or audio channel is selected before setting a loop-out point, it may not be possible to designate a loop-out point.
 - Loop-out points cannot be set during reverse play.
 - In the case of MP3, looping is possible only within the same track where the cue point was set.

■ To cancel loop play

During loop playback, press the **RELOOP/EXIT** button.

- The loop will be canceled and playback will continue normally past the loop-out point.

■ To change a loop-out point

1. During loop playback, press the **LOOP OUT/OUT ADJUST** button.
 - The display will show the loop-out point time, and the **LOOP OUT/OUT ADJUST** button will flash rapidly, while the **LOOP IN/REALTIME CUE** button indicator turns off.
2. Press the manual search buttons (**REV**◀◀, **FWD**▶▶) or rotate the jog dial.
 - The loop-out point will change in one-frame units.
 - The loop-out point cannot be moved to a location before the loop-in point.
 - To cancel the adjust mode and return to loop play, press the **LOOP OUT/OUT ADJUST** button or wait 30 seconds.
 - The loop-out point cannot be adjusted during reverse play.
 - In the case of MP3, the loop-out point can be adjusted only within the same track where the cue point was set.

■ To return to a loop (reloop)

After cancellation of a loop, press the **RELOOP/EXIT** button during normal playback.

- Playback will return to the loop-in point of the previously set loop, and loop play will resume.
- In the case of MP3, reloop can be performed only within the same folder.

■ Automatic loop-out setting 4-beat loop (emergency loop)

During playback, press the **EMERGENCY LOOP** button.

- The normal loop playback indicators will appear (flashing **LOOP OUT/OUT ADJUST** button and **LOOP IN/REALTIME CUE** button), and the **EMERGENCY LOOP** indicator will flash.
- The point at which the button is pressed will become the loop-in point, and a loop-out point will be set automatically as described below; loop playback will then continue between the two points.
 - If the immediately preceding BPM value is known, a point four beats afterwards will become the loop-out point.
 - If the immediately preceding BPM value is not known, the loop-out point will be set four seconds after the loop-in point.
 - If either of the above two conditions come after the track end, the track end will be made the loop-out point.
- When the **EXIT/RELOOP** button is pressed, the loop play will end and normal playback will resume.
- Emergency loop is not supported during reverse play.

1-track loop (chapter/track repeat)

During playback, hold the **EMERGENCY LOOP** button depressed for 1 second or more.

When the **EMERGENCY LOOP** button is held depressed for 1 second or more during playback, 1-track loop is enabled, thus repeating playback of the currently playing chapter or track.

- The indicator “**CHP LOOP**” (during DVD playback) or “**TRK LOOP**” (during CD or MP3 playback) will appear in the display, and the unit will search to the beginning of the currently playing chapter or track, and set the loop-in point there.
- The normal loop playback indicators (**LOOP OUT/OUT ADJUST** and **LOOP IN/REALTIME CUE** buttons) will flash, and the chapter end or track end will be automatically set at the loop-out points and playback will resume.
- If the **EXIT/RELOOP** button is pressed, the loop play will be canceled and normal playback will resume.
- Chapter/track repeat cannot be designated during reverse playback.
- When recording to a memory card, record after playing the track to the end.

Reverse play

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

Set the **DIRECTION FWD/REV** select switch to the **REV** position (forward).

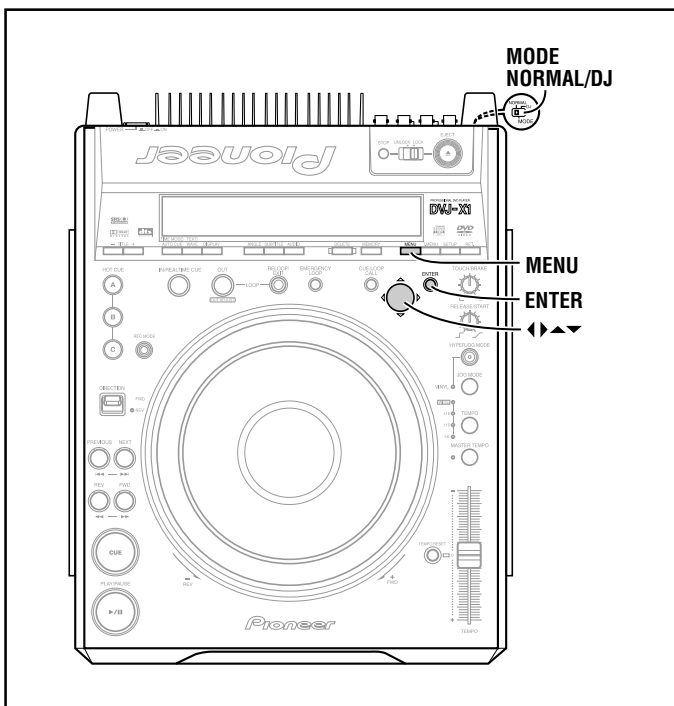
The **REV** indicator lights and playback occurs in reverse.

- The jog dial's operation to accelerate/decelerate playback is reversed.
- During reverse playback, loop points cannot be set nor loop-out points modified.
- When track search or loop play are performed, the jog dial's audio/video memory status display will flash for 1-2 seconds and scratch/reverse operations may not respond.

About fader start play

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.

When the supplied accessory control cord is used to connect the CONTROL connector of this player to the CONTROL connector of a DJ mixer DJM-300, DJM-500, DJM-600, DJM-3000, DJM-909, or DJM-707, raising the DJ mixer's channel fader lever simultaneously releases the player from cue standby, automatically starting instant playback. Fader start can also be started by using the cross fader operation; when the fader lever is returned to its original position, the player also returns to its cue point (back cue) and enters cue standby. (For connection instructions consult page 17).



Relay play with two players **[DJ]**

★ **This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position.**

Relay play can be performed by using the supplied accessory control cord to connect the CONTROL connectors of this player and another CDJ series CD player (P.17).

- Set the auto cue functions of the two players to ON (auto cue (A.CUE) indicator lights in the display).
- If connected to a DJ mixer, set the mixer's fader control to its center position.

- 1. Begin playback on the first player.**
- 2. When the currently playing track ends, the other player (in standby mode) will automatically begin playback.**
- 3. Set the first player to cue standby at the beginning of the next desired track.**

- By repeating these steps, you can perform continuous automatic relay play between the two players.
- By replacing the disc on the waiting player and cueing it to a desired track, an unending variety of tracks can be played.
- By setting a cue point on the waiting player, playback can be set to begin automatically from any point in any desired track (P.40, "Setting cue points").

Notes:

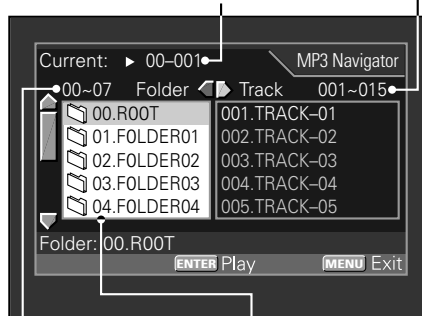
- Relay play may not occur smoothly if the two players' audio output terminals are not connected to the same DJ mixer.
- If power is interrupted to the currently playing player, the other player will automatically begin playback.
- Since fader start and relay play require that the same control connectors be connected in different ways, they cannot be performed simultaneously.

Selecting tracks with MP3 navigator (MP3 only)

1. Press the MENU button.

- The MP3 navigator screen will be displayed.

Total tracks within selected folder
Number of currently playing folder/track

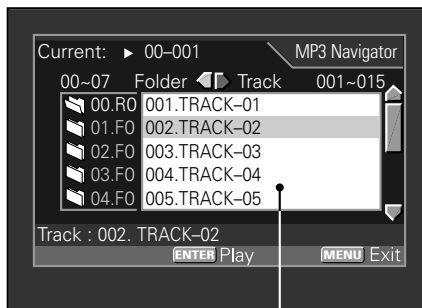


Total number of folders

Displays folder number together with folder name, or "ROOT".
 If folder name is recorded in a code other than English alphanumerics, a numbering series beginning with "F_001" will be displayed instead.

2. Use the back (▲) or forward (▼) sides of the cursor button to select the desired folder.

- If the back (▲) or forward (▼) sides of the cursor button is held depressed continuously, the display will change to the previous/next folder select screen.
- If the right side (▶) of the cursor button is pressed, the highlight will move to the Track menu.



Track number and ID3 tag title

If no alphanumeric ID3 tag is recorded, the file name will be displayed. If ID3 tag and file name are not recorded as English alphanumerics, a series number beginning with "T_001" will be displayed.

3. Press the back (▲) or forward (▼) sides of the cursor button to select the desired track.

- If the back (▲) or forward (▼) sides of the cursor button is held depressed continuously, the display will change to the previous/next track select screen.

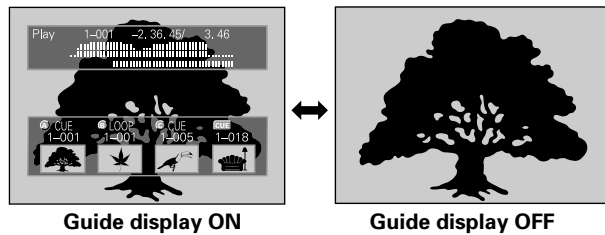
4. Press the ENTER button.

- The selected folder and track will be begin playback.

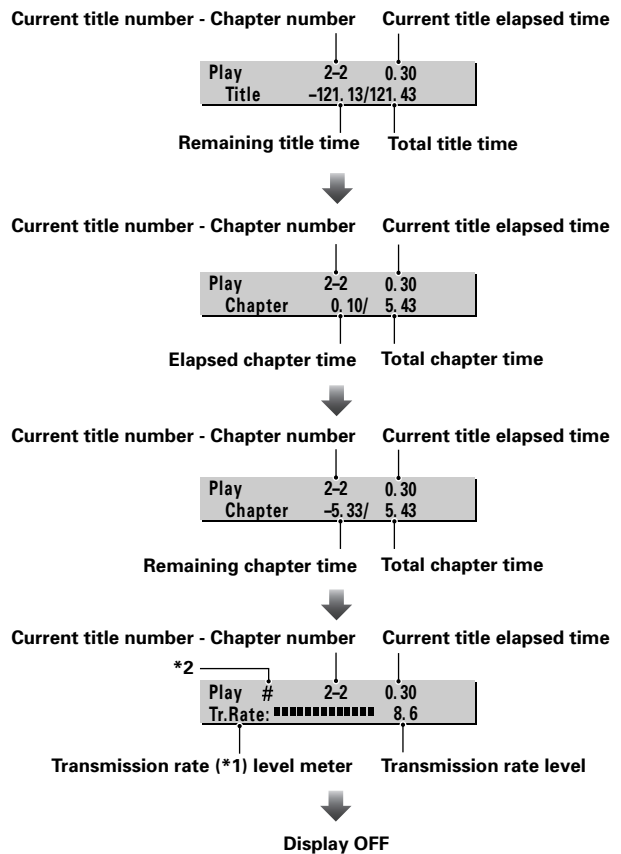
To view guide displays

Press the **DISPLAY** button to turn the guide displays ON/OFF.

In the DJ mode, onscreen guide displays are not output to the main video output (**VIDEO OUT**) connectors; in this case, the button operates to enable and disable the guide displays (hot cue, cue point, playing time, etc.) output to the preview video (**PREVIEW OUT**) connectors.



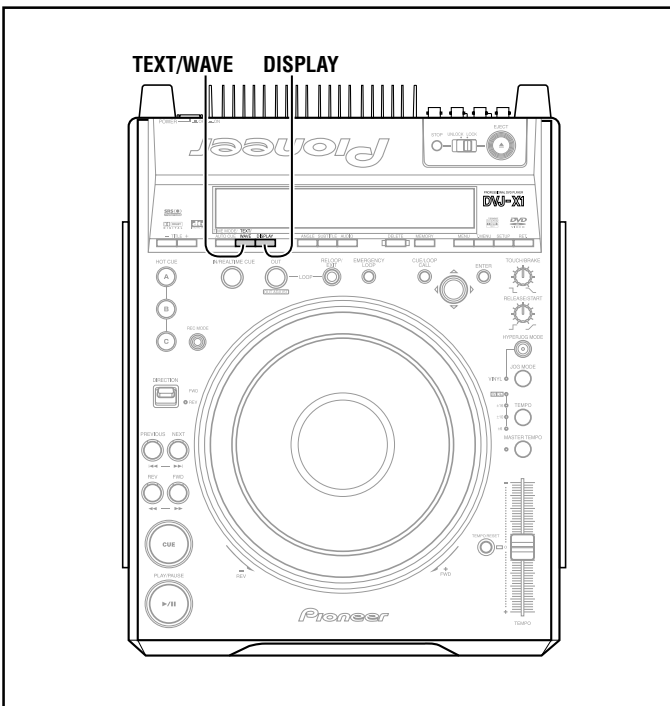
In the NORMAL mode, pressing the **DISPLAY** button turns the guide display ON/OFF on both the main video and preview video outputs. Pressing the **DISPLAY** button changes the display contents in the following way:



- Chapter and time may not be displayed with some titles.

*1 Transmission rate is a value indicating the data volume recorded on the DVD. While higher transmission rates indicate larger amounts of data, they do not necessarily translate to higher picture quality.

*2 Displayed during progressive video signal is recorded.



WAVE display **DJ**

★ This function is not supported when the rear panel mode select switch (MODE NORMAL/DJ) is set to the NORMAL position (replaced by TEXT display).

The WAVE display portrays a graphic indication of the changes in a track's deep beat sounds (e.g., bass drum), thus giving the user a better idea of breaks and end points in the track. Each track or chapter is expanded or compressed to fill the entire display range (in 50 steps).

Use the **TEXT/WAVE select button** to select WAVE display.

- The WAVE display will appear together with the start of the track playback.
- By storing a WAVE display on a memory card, the WAVE display will appear instantly the next time the same track is played (P.46).
- While the wave data is being read, attempts to use the search, pause, jog dial and certain other functions may result in faulty operation.
- If a track has little change in its low-frequency beat level, or if a track has been recorded at a low recording level, the break points may not display correctly.

Regarding TEXT display

When playing CD that support CD TEXT, the English-language disc title and track title will be displayed. Disc titles up to 72 characters and track titles up to 48 characters can be displayed in alphanumeric, number and a restricted group of symbol characters. The title has more than 8 characters, the display will scroll.

In the case of MP3 files recorded with ID3 tags, alphanumeric disc title and track titles up to 48 characters can be displayed. If no ID3 tags are recorded, the folder name/file name will be displayed. If ID3 tags, folder names, or file names have been recorded in a non-displayable character code, a series number indicating the folder ("ROOT", "F_001", etc.) and track ("T_001," etc.) will be displayed instead.

- During disc title display, the indicator will light.
- The preview monitor screen displays the disc title (Album), title of the track (Title), and also the name of the artist (Artist).
- The folder name and file name may be displayed until the ID3 tag data has been read.

Use the **TEXT/WAVE button** to select TEXT display

- If no CD TEXT is recorded, the "NO TEXT" indicator will appear for about two seconds.

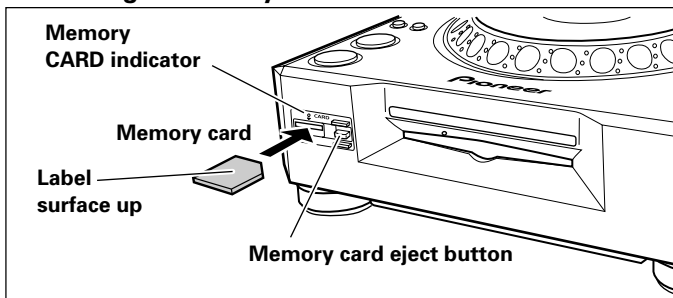
Operations Using Memory Cards

■ Using memory cards

This player supports the use of SD memory cards or MultiMedia Cards for the recording of disc identification data, cue point data, loop point data, and hot cue data. Data regarding cue points and loop points include each point's position, as well as audio channel, angle, and thumbnail image. Thumbnail images cannot be recorded, however, in the case of copy-protected discs (included those using Macrovision technologies).

- ★ **Memory cards must be formatted in accordance with "SD Memory Card Specifications Part2 FILE SYSTEM SPECIFICATION Version 1.0" (commercially purchased SD memory cards are factory formatted to the above standards). Unformatted cards cannot be used (the "UNFORMAT" message will be displayed).**
- ★ **When a MultiMedia card has been formatted or recorded on the CDJ-1000 or CDJ-1000MK2, it can be used only for data reading (new point information cannot be recorded to or erased from the card). Copying of the card is also not supported. If an attempt is made to record to the card, the "CALL ONLY" message will be displayed.**
- ★ **Memory cards formatted on computers or in digital cameras may not be usable with this player.**

■ Loading a memory card



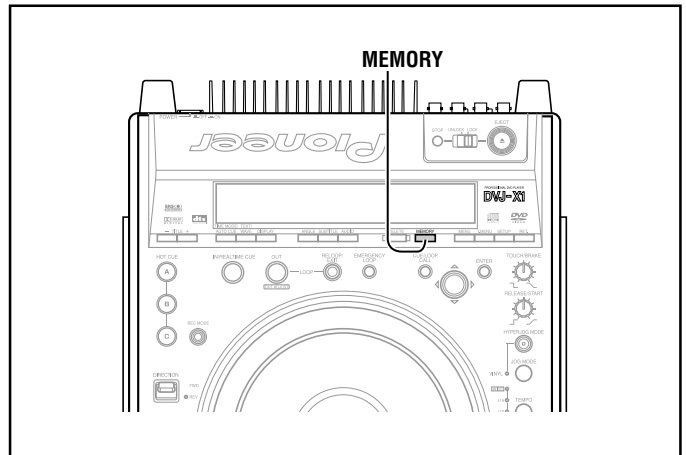
Insert memory cards with label-side up, and the cut-away corner pointed away from you (toward the player). Insert the card until it is pulled fully into the player.

● Removing a memory card

Confirm that the **CARD** indicator is not lighted, then press the memory card eject button. Pull out the card gently in a straight line.

Notes:

- When the **CARD** indicator is lighted, the player is currently accessing the card. Do not attempt to remove the card, and do not turn off power to the unit during card access, since the recorded data may be destroyed.
- Memory cards are precision electronic devices. Do not bend or drop them, or subject them to strong forces or impacts. Also, avoid using or storing memory cards in environments subject to static electricity or electrical noise.
- Memory cards can be broken when subjected to impacts or static electricity. Be very careful when handling them, and make regular backups of important recorded data (P. 49).



■ Recording to memory cards

■ Recording a cue point

1. Use the auto cue function or **CUE** button to input a cue point.
2. When the player is in cue standby mode (if currently playing, perform back cue), press the **MEMORY** button.
 - The "**MEMORY**" indicator will light in the display, showing that the cue point has been stored in the memory card.
 - If no memory card is loaded, the "**NO CARD**" message will appear.

■ Recording a loop point

1. Set a loop-in point and loop-out point and begin loop playback.
 2. During loop playback, press the **MEMORY** button.
 - The "**MEMORY**" indicator will light in the display, showing that the loop data has been stored in the memory card.
 - If no memory card is loaded, the "**NO CARD**" message will appear.
- Up to 100 points (total of both cue and loop points) can be stored for each disc. When 100 points have been stored, attempts to record further points will result in the display of the "**POINT FULL**" message, and no further points can be recorded.
 - If insufficient memory space exists on the card to record the current points, the "**CARD FULL**" message will appear.
 - If the card has been set to write-protect, the "**PROTECTED**" message will be displayed.

■ Recording hot cue points A, B, C

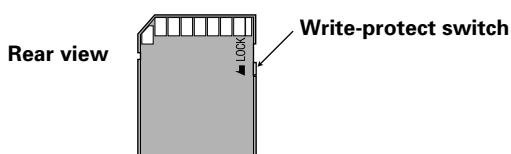
Hot cue points A, B, and C are automatically recorded on the memory card.

■ WAVE display

Wave displays are automatically recorded on the memory card.

- * As one example of the use of a 32MB SD memory card, up to 75 discs' worth of cue and loop points can be recorded per card (assuming use of DVD discs with 20 points per disc, and recording of thumbnail images for each point).

To protect important data

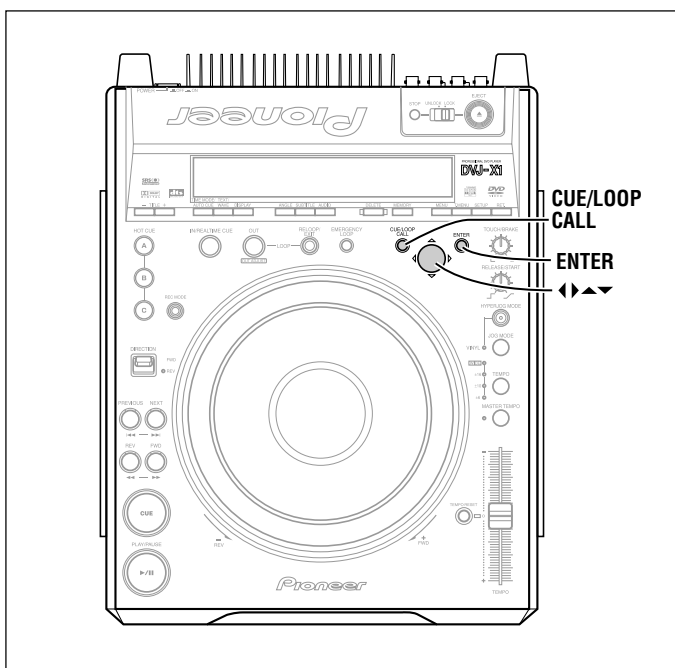


- Set the write-protect switch to the **LOCK** position to prevent further writing to the card. Return the switch to its original position if you wish to record further data on the card.
- The **CARD** indicator lights while the recorder is writing data to the disc. During this period, do not attempt to remove the card, or disconnect power to the unit, since card data may be destroyed. Pioneer disclaims any responsibility for damage to or loss of memory card data, or other incidental damages arising from such loss.

■ Message displays during recording of cue and loop points

Player display	Contents
"MEMORY"	Data stored correctly.
"MEMORY", followed by "NO PICTURE"	Displayed when recording point information from a copy-protected disc. Thumbnail images cannot be recorded on the memory card.
"MEMORY", followed by "CALL ONLY"	Displayed when attempting to record to a card formatted on the CDJ-1000 or CDJ-1000MK2. Point data cannot be written to the memory card.
"MEMORY", followed by "CARD FULL"	Insufficient recording capacity. No new point data can be recorded.
"MEMORY", followed by "PROTECTED"	Displayed when the card's write-protection switch is set to LOCK. Point data cannot be written to the memory card.
"MEMORY", followed by "NO CARD"	Displayed when no card is loaded.
"POINT FULL"	Displayed when total number of cue point and loop point data items has reached 100; new points data cannot be recorded.

Insert a memory card when cue point, loop point, hot cue point or WAVE data is recorded.
 Note that the data is lost if the disc is removed or power is turned off when a memory card is not present.



To recall data recorded on memory cards

■ To recall a recorded cue or loop point

1. Press the CUE/LOOP CALL button.

- The preview monitor screen will display the cue point navigation menu.



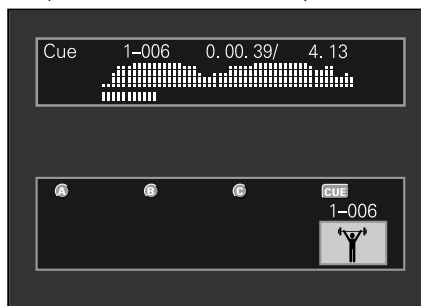
While the call screen is displayed, point information is also shown on the player's display.

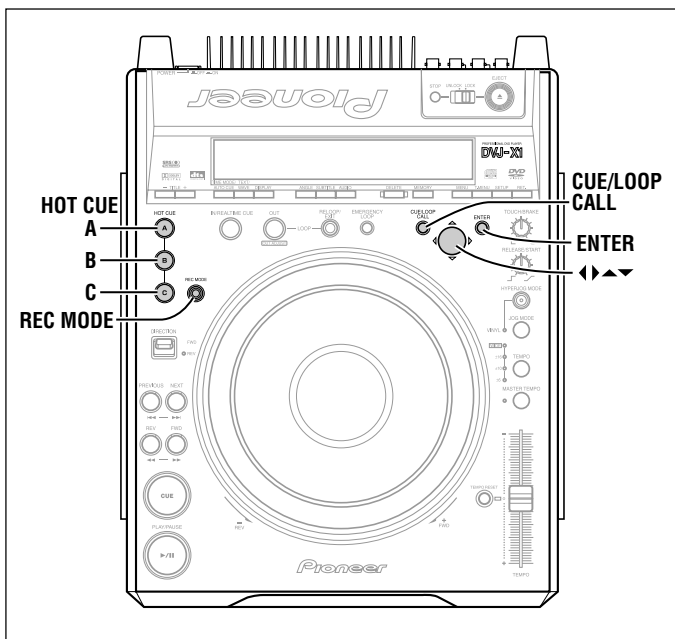
2. Use the cursor button to select the desired thumbnail image, and press the ENTER button.



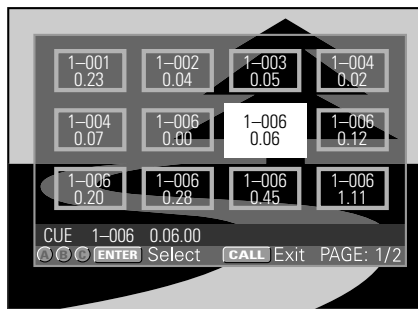
While reading data from a memory card, the main unit's display will show the "CUE readin" or "LOOP readin" message.

- The cue point or loop point will be read into the player, and the memory point time will be displayed; the player will search for the cue point and enter cue standby there.



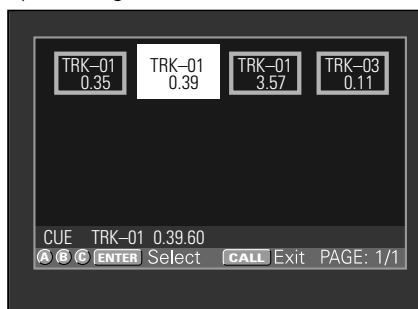


- When a copy-protected disc is loaded, the recorded points on the sub-screen cannot be stored in the memory card.



If no thumbnail image is displayed, cue point or loop point memory point time data will be displayed.

- Cue point navigation screen when CD is loaded.



Point information is also shown on the main unit's display, allowing you to select points even without a preview monitor.

To read a cue/loop point into a hot cue

1. Press the CUE/LOOP CALL button.

- The preview monitor screen will display the cue point navigation menu.



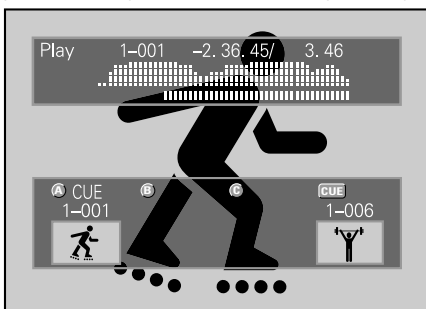
While the call screen is displayed, point information is also shown on the player's display.

- 2. Use the cursor button to select the desired thumbnail image, and press the HOT CUE REC MODE button so that the HOT CUE A, B, and C button indicators light red. Then press the button (A, B, or C) into which you wish to store the hot cue point.**



While reading data from the memory card, the main unit's display will show the "HOT *readin" message.

- Playback will begin when data reading is completed.

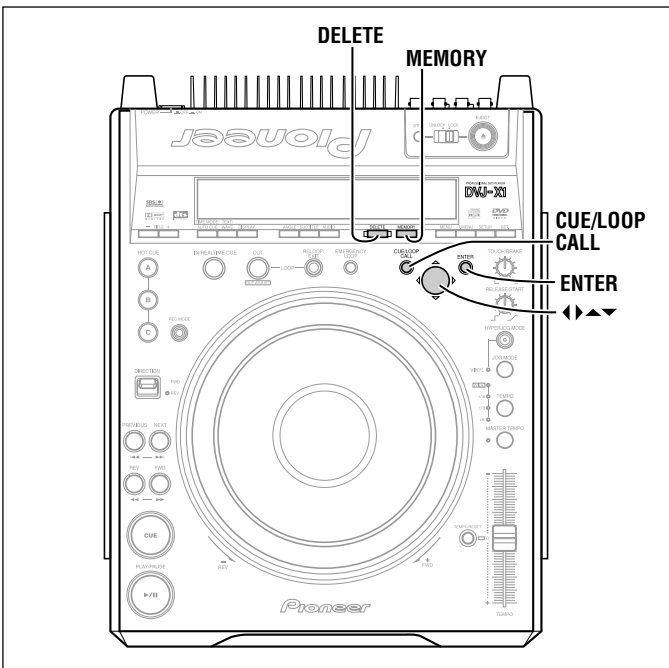


To recall a memorized hot cue point

Hot cue points A, B, and C are recorded automatically on the memory card. If hot cue points are recorded at the time a disc is inserted, the **HOT CUE** buttons **A**, **B**, **C**, will flash green. To call up one of the recorded hot cue points, press the corresponding button **A**, **B**, or **C**. The flashing green indicator will light steadily (when calling, sound will not begin instantly). If you have no need of calling one of the hot cue points, press the **HOT CUE REC MODE** button. The indicators will change to red, and the hot cue setting mode will be enabled. (To subsequently call up one of the hot cue points previously recorded on the memory card, remove the disc or memory card and reinsert it so that the **A**, **B**, and **C** buttons flash once again. Then press the desired flashing button).

WAVE display

When playing a track with which you have previously used the WAVE display function, the recorded WAVE pattern will automatically be recalled and displayed.



To delete information recorded on memory cards

■ To delete individual cue/loop points

1. Press the CUE/LOOP CALL button.

- The preview monitor screen will display the cue point navigation menu.

2. Use the cursor button to select the thumbnail of the cue point you wish to erase, then press the DELETE button.

- The display will show the "DELETE" message, and the selected cue point or loop point data will be erased from the memory card.

★ Data on MultiMedia cards formatted and recorded with the CDJ-1000 or CDJ-1000MK2 cannot be deleted in this way; the "CALL ONLY" message will appear and the delete operation will not respond.

■ To delete all cue/loop point information for an entire disc

1. Load the disc whose cue/loop point information you wish to erase.

2. Hold the DELETE button depressed for 5 or more seconds.

- The display will scroll the "DISC DELETE? PUSH MEMORY" confirmation message.

3. Press the MEMORY button.

- All cue and loop data for the loaded disc will be deleted from the memory card.
- If any button other than the **MEMORY** button is pressed, the delete mode will be canceled.

★ Data on MultiMedia cards formatted and recorded with the CDJ-1000 or CDJ-1000MK2 cannot be deleted in this way; the "CALL ONLY" message will appear and the delete operation will not respond.

■ To delete all memory card data

1. With no disc loaded, hold the DELETE button depressed for 5 seconds or more.

- The display will scroll the "ALL DELETE? PUSH MEMORY" confirmation message.

2. Press the MEMORY button.

- All data will be deleted from the memory card.
- If any button other than the **MEMORY** button is pressed, the delete mode will be canceled.

★ Data on MultiMedia cards formatted and recorded with the CDJ-1000 or CDJ-1000MK2 cannot be deleted in this way; the "CALL ONLY" message will appear and the delete operation will not respond.

■ To copy memory card data

1. With no disc or memory card loaded:

Hold the MEMORY button pressed for 5 seconds or more.

- The display will scroll the "COPY MODE" "CARD A IN" messages.

2. Insert the original source memory card into the memory card slot.

- The display will show the "READING" message; after several minutes, the "CARD B IN" message will appear.

3. Remove the source card and insert the target memory card.

- Be sure to delete earlier contents of the target card to provide sufficient recording capacity.
- The display will show the "WRITING" message, and after several minutes, the "CARD A IN" message will appear.

4. Remove the target card, and once more insert the original source card.

- The display will show the "READING" message; after several minutes, the "CARD B IN" message will appear.

5. Repeat steps 3 and 4 as required.




- The copying process is completed when the display shows the "COMPLETE" message.
- Copying of a full 32MB memory card will require a maximum of 3 cycles of recording steps 3-4.
- If the target card has insufficient memory capacity to complete the copying process, the "Capa Err" message will appear.

- If you possess a computer with memory card reader, the reader can be used to copy your memory cards (see P.46, precautions regarding memory card formatting).

★ Data on MultiMedia cards formatted and recorded with the CDJ-1000 or CDJ-1000MK2 cannot be copied to in this way; the "CDJ CARD" message will appear and the copy operation will not respond.

Troubleshooting

Incorrect operations can be mistaken as malfunctions. If you believe the unit is not operating correctly, consult the chart below. Sometimes incorrect operation may be due to a malfunction in another component. If the problem is not fixed, check the other components used with the player. If the problem still persists, contact your nearest Pioneer authorized service center or dealer for service.

Symptom	Probable Diagnosis	Remedy
No power.	<ul style="list-style-type: none"> ● Power cord isn't connected. 	<ul style="list-style-type: none"> ● Connect power cord properly.
Discs don't eject when the EJECT (▲) button is pressed.	<ul style="list-style-type: none"> ● The eject/stop mode select switch is set to LOCK. 	<ul style="list-style-type: none"> ● Set the player to pause mode or cue standby mode then press EJECT (▲) button. ● Set the eject/stop mode selector switch to UNLOCK then press EJECT (▲) button.
Playback doesn't start when a disc is inserted. Playback stops immediately after starting.	<ul style="list-style-type: none"> ● Auto cue function is set to ON. ● Disc is loaded with label side down. ● Disc is fogged or dirty. ● The disc has a different region number. 	<ul style="list-style-type: none"> ● Hold the TIME MODE/AUTO CUE button depressed for 1 second or more to turn the auto cue function off. ● Reload the disc with label side up. ● Clean the disc. ● Check the disc for correct region number. If it is not correct, it cannot be played on this unit.
DVD-R, DVD-RW discs cannot be played. "NOT VIDEO FORMAT" is displayed.	<ul style="list-style-type: none"> ● Disc isn't recorded in video format. 	<ul style="list-style-type: none"> ● Record disc in video format.
Can't play DVD.	<ul style="list-style-type: none"> ● Mode select switch is set to "DJ". Some DVDs are constructed to prohibit playing in DJ mode. 	<ul style="list-style-type: none"> ● Set mode select switch to "NORMAL".
The    marks appear.	<ul style="list-style-type: none"> ● Operation is prohibited by disc or player. 	<ul style="list-style-type: none"> ● Perform correct operation.
MP3 can't be played.	<ul style="list-style-type: none"> ● Format is wrong. 	<ul style="list-style-type: none"> ● See section "Playing MP3 files" on page 10.
Can't search for MP3 files.	<ul style="list-style-type: none"> ● You attempted to search (fast forward/reverse) for files in a different folder. 	<ul style="list-style-type: none"> ● MP3 searches can be performed only within the same folder.
Images don't appear on screen.	<ul style="list-style-type: none"> ● Output cables are loose or not connected correctly. ● Improper operation of television or video mixer, etc. ● Television connected to component video output connector does not support progressive scan. 	<ul style="list-style-type: none"> ● Connect correctly. ● Confirm settings of television or video mixer, etc. ● Set component video output connector setting to [Interlace].
No sound.	<ul style="list-style-type: none"> ● Output cables are loose or not connected correctly. ● Improper operation of audio mixer. ● Connectors or plugs are dirty. ● Player is set to pause mode. 	<ul style="list-style-type: none"> ● Connect cables correctly. ● Check audio mixer's switches and volume settings. ● Clean connectors and plugs. ● Press PLAY/PAUSE (▶/II) button to begin playback.
Sound is distorted or has noise.	<ul style="list-style-type: none"> ● Output cables are not connected correctly. ● Connectors or plugs are dirty. ● Electromagnetic influence from television. 	<ul style="list-style-type: none"> ● Connect cables correctly to audio mixer line input connectors. Do not connect to MIC connector. ● Clean connectors and plugs. ● Turn off television or move farther away.
Certain discs produce much noise. Playback is interrupted.	<ul style="list-style-type: none"> ● Disc has large scratches. ● Disc is very dirty. 	<ul style="list-style-type: none"> ● Replace disc. ● Clean disc.
DVDs and CDs produce different sound volumes.	<ul style="list-style-type: none"> ● Due to difference in recording formats. 	<ul style="list-style-type: none"> ● Not a malfunction.
When auto cue function is ON, track search does not end.	<ul style="list-style-type: none"> ● If intervals between tracks is very long, track search takes longer. ● If a non-recorded intervals continue for more than 10 seconds, play will not begin unless auto cue function is turned OFF. 	<ul style="list-style-type: none"> ● Hold the TIME MODE/AUTO CUE button depressed for 1 second or more to turn auto cue function OFF.
During playback, back cue doesn't occur when CUE button is pressed.	<ul style="list-style-type: none"> ● No cue point is set. ● Mode select switch is set to "NORMAL". ● With DVD, some discs do not support DJ operations during playback. ● When playing MP3, cue point is in another folder. 	<ul style="list-style-type: none"> ● Set a cue point. (P.40) ● Set mode select switch to "DJ". ● Play back a part supporting DJ operations. ● Back cue with MP3 can be performed only within the same folder.
Loop play doesn't start when LOOP OUT/OUT ADJUST button is pressed.	<ul style="list-style-type: none"> ● Cue point (loop-in point) isn't set. ● Mode select switch is set to "NORMAL". ● Cue points and angle, audio settings are different. ● With DVD, some discs do not support point DJ operations during playback. 	<ul style="list-style-type: none"> ● Set a cue point. (P.40) ● Set mode select switch to "DJ". ● Set angle and audio conditions the same. ● Play a part supporting DJ operations.

Symptom	Probable Diagnosis	Remedy
Auto cue setting is not retained. All settings cannot be returned to their factory defaults.	<ul style="list-style-type: none"> ● The power was turned off right after settings were made or changed. 	<ul style="list-style-type: none"> ● Wait 10 seconds before turning off the unit after changing settings.
Jog dial doesn't respond. Jog dial performs different operation from that intended.	<ul style="list-style-type: none"> ● Mode select switch is set to "NORMAL". ● Jog mode is incorrect. ● Hyper-jog mode is incorrect. ● With DVD, some discs do not support point DJ operations during playback. 	<ul style="list-style-type: none"> ● Set mode select switch to "DJ". ● Press the JOG MODE button to select desired jog mode (VINYL ON/OFF). ● Press the HYPERJOG MODE button to select desired mode. ● Play a part supporting DJ operations.
DJ operations don't respond.	<ul style="list-style-type: none"> ● Mode select switch is set to "NORMAL". ● With DVD, some discs or players do not support point DJ operations during playback. ● "DISABLE DJ MODE" is displayed. ● With DVD, DJ operations not be possible when playback is performed from the Setup Menu. 	<ul style="list-style-type: none"> ● Set mode select switch to "DJ". ● Play a part supporting DJ operations. ● DJ operations are not supported here. Play a part of the disc supporting DJ operations.
With power ON, disc stops.	<ul style="list-style-type: none"> ● If left in pause mode without command input for 80 minutes or more, player automatically stops disc rotation. ● Disc rotation stops with disc playback completes last track. 	<ul style="list-style-type: none"> ● Press PLAY/PAUSE (▶/⏸) button to resume playback. Or press EJECT (▲) button to remove disc.
Screen images stops and commands don't respond.	<ul style="list-style-type: none"> ● Operations prohibited on some discs. 	<ul style="list-style-type: none"> ● Press the STOP button, then begin playback again.
Setting items don't appear on setup menu.	<ul style="list-style-type: none"> ● Setup Menu is set for [Basic] mode. 	<ul style="list-style-type: none"> ● Set Setup Menu to [Expert] mode.
Digital sound isn't reproduced.	<ul style="list-style-type: none"> ● [Dolby Digital Out] option is set to [Off]. 	<ul style="list-style-type: none"> ● Set [Dolby Digital Out] option to [On].
96kHz audio is not output in digital.	<ul style="list-style-type: none"> ● [96kHz PCM Out] option is set to [96kHz ▶ 48kHz]. ● Some discs prohibit 96kHz output. 	<ul style="list-style-type: none"> ● Set [96kHz PCM Out] option to [96kHz].
DTS audio is not reproduced.	<ul style="list-style-type: none"> ● Amplifier or decoder does not support DTS audio. 	<ul style="list-style-type: none"> ● Press audio button to select audio format other than DTS.
Image appears stretched horizontally or vertically.	<ul style="list-style-type: none"> ● [TV Screen] option settings are incorrect. ● S-terminal video output connection is incorrect. 	<ul style="list-style-type: none"> ● Set [TV Screen] options properly. ● Due to television signal processing, images may appear lengthened horizontally or vertically. In this case, set [S-Video Out] option to [S1].
During DVD playback, image is distorted or dark.	<ul style="list-style-type: none"> ● Disc is equipped with analog copy protect technology. 	<ul style="list-style-type: none"> ● Not a malfunction.
Subtitles don't appear.	<ul style="list-style-type: none"> ● Mode select switch is set to "DJ". (Subtitles aren't displayed in DJ mode) 	<ul style="list-style-type: none"> ● Set mode select switch to "NORMAL".
Can't open Setup menu.	<ul style="list-style-type: none"> ● Setup cannot be performed during playback in DJ mode. 	<ul style="list-style-type: none"> ● Stop playback before performing settings. ● Perform settings in NORMAL mode.
When angle is changed, playback is momentarily interrupted.	<ul style="list-style-type: none"> ● In DJ mode, a special playback mode is used so changing the angle causes temporary playback interruption. 	<ul style="list-style-type: none"> ● Not a malfunction.
When audio format is changed, playback is momentarily interrupted.	<ul style="list-style-type: none"> ● In DJ mode, a special playback mode is used so changing the audio causes temporary playback interruption. 	<ul style="list-style-type: none"> ● Not a malfunction.
Title or chapter search command doesn't respond.	<ul style="list-style-type: none"> ● With DVD, some discs do not support certain operations. 	<ul style="list-style-type: none"> ● Not a malfunction.
Can't begin playback from title or chapter designated before loading disc.	<ul style="list-style-type: none"> ● With DVD, some discs require playback from a specified place. 	<ul style="list-style-type: none"> ● Not a malfunction.
Cue point navigation menu doesn't display thumbnail images.	<ul style="list-style-type: none"> ● Disc is copy protected. ● No memory card is loaded. ● Disc loaded is CD. 	<ul style="list-style-type: none"> ● Thumbnail images cannot be recorded in memory card when disc is copy protected. ● Insert memory card formatted in compliance with SD memory card standards. ● Thumbnail images are not displayed with CDs.
Can't record cue point memory.	<ul style="list-style-type: none"> ● Memory card was recorded on CDJ-1000, CDJ-1000MK2. ● No memory card is loaded. ● SD memory card has been set for write-protect. 	<ul style="list-style-type: none"> ● This player supports read only with these cards. ● Insert memory card formatted in compliance with SD memory card standards. ● Set write-protect switch to allow writing to card.
Can't use SD memory cards.	<ul style="list-style-type: none"> ● SD memory card not loaded. ● SD memory card has been set for write-protect. ● SD memory card not formatted properly. 	<ul style="list-style-type: none"> ● Insert SD memory card. ● Set write-protect switch to allow writing to card. ● Insert memory card formatted in compliance with SD memory card standards.

- This component may fail to operate properly due to influence of static electricity or other external influences. In this case, try turning off the POWER switch, and turn on the power again only when the disc has fully stopped rotating.
- This unit cannot play DVD-R or DVD-RW discs recorded in video format unless they have been finalized.
- This unit cannot play DVD-R/DVD-RW discs recorded in VR format.
- This unit cannot play partially recorded CD-R or CD-RW discs that have not been finalized.
- This unit plays only standard 12cm discs and 8cm discs mounted in proper disc adapters; it cannot play irregularly shaped discs (damage or malfunctions may occur).
- When playing 8cm discs mounted on adapters, some speed loss may be experienced when using scratch and reverse operations. This unit for high performance when rotating discs at high speed, but when 8cm discs are mounted in adapters, the rotation speed is reduced for safety. This is not a malfunction.
- BPM values measured with this unit may differ from published values found on DVD or CD labels, or those measured on Pioneer DJ mixers. This is a result of differences in BPM measuring methods, and is not a malfunction.
- When playing DVD-R/RW or CD-R/RW discs, some degradation in performance may be experienced depending on the recording quality of the individual disc.
- This unit supports analog copy-protection technology. Some discs include copy-protection signals and when such discs are played, some images may display horizontal stripes or other distortions, this is not a malfunction. Also, when viewing or recording images through a VTR, the copy guard device may prevent proper playback.
- In DJ mode, the following option values change, regardless of the setting of the setup menu.

Setup Menu item	Setting value
[TV Screen]:	[4:3 (letterbox)] (The 4:3(Pan&Scan) format is not supported in DJ mode.)
[Still Picture]:	[Auto]
[Angle indicator]:	[Off]

- When playing DVDs, the same disc may display different playback patterns when played in DJ mode and NORMAL mode.
- SD memory cards formatted using ordinary computer OS formatting software are not generally compatible with SD memory card standards.

Error message display

When the unit is unable to operate properly, an error code is displayed on the display panel. Check the error code displayed against the following table and take the recommended action to correct the error. If an error code other than any of the error codes listed in the table below is displayed or if the same error code is displayed even after corrective action has been taken, contact your nearest Pioneer Service Station or contact the store from which you purchased your player for assistance.

Error code	Error type	Error content	Cause and remedy
E-72 01	TOC READ ERROR	Can't read TOC data.	Disc is cracked. → Replace disc.
E-83 01 E-83 02 E-83 03	PLAYER ERROR	Can't play this disc properly.	Disc is dirty. → Clean disc. If other discs operate normally, problem is with this disc.
E-83 04	MP3 DECODER ERROR	Loaded disc cannot be played properly.	Does not conform to MP3 format. → Change to disc conforming to MP3 format.
E-83 05	DATA FORMAT ERROR		
E-91 01	MECHANICAL TIME OUT	Mechanical operation did not end within specified time.	Foreign object in disc loading slot. → Remove foreign object.
E-72 02	WRONG REGION NO.	Does not match supported region number.	Confirm the region number for the disc. Discs cannot be played if their region number is not supported.

Dot Matrix Guide Display Messages

Message	Event/Display Timing
LOAD IN	During disc loading
END	When disc completes playback
EJECT	When EJECT (▲) button is pressed
NO DISC	When eject is completed
STOP	When STOP button is pressed
STLL	DVD NORMAL mode: Displayed during still mode of disc data
RESUME	DVD NORMAL mode: Displayed during resume mode
PLAY	DVD NORMAL mode: Displayed during playback
PAUSE	DVD NORMAL mode: Displayed during pause
SEARCH	DVD NORMAL mode: Displayed during chapter or title search
▶▶1, ▶▶2, ▶▶3	DVD NORMAL mode: Displayed during forward-direction search
◀◀1, ◀◀2, ◀◀3	DVD NORMAL mode: Displayed during reverse-direction search
CHP LOOP	1-chapter loop mode
TRK LOOP	1-track loop mode
NO TRACK	Loaded disc has no MP3 files
DISABLE DJ MODE	DVD DJ mode: Displayed during those parts of playback when DJ operations are not supported
NOT VIDEO FORMAT	This DVD is not recorded in video format (VR format, DVD-audio, etc.)
SETUP	When calling Setup Menu
MENU	During display of menu, top menu
NO TEXT	When beginning playback of disc that contains no text display
NORMAL	During NORMAL mode or when attempting to perform operation not supported in NORMAL mode.
DJ MODE	When switching to DJ mode
SD CARD	When loading an SD formatted memory card
CDJ CARD	When loading a memory card formatted on CDJ-1000 or CDJ-1000MK2
*****DISCS	When inserting memory card: displayed after above message, indicating number of discs recorded
READ ERROR	Inserted card has damaged data
CARD ERROR	When inserted card is damaged; also displayed during abnormal event when reading or writing data to card
UNFORMAT	When card format not compatible with SD memory standards
MEMORY	When recording cue/loop point
NO PICTURE	When attempting to record point on copy-protected disc
CALL ONLY	When attempting to record to card formatted on CDJ-1000 or CDJ-1000MK2

Message	Event/Display Timing
CARD FULL	Insufficient card space for further recording
PROTECTED	Card's write-protect switch is set to LOCK
NO CARD	No card loaded
POINT FULL	100 cue/loop points have been recorded
CUE POINT	During cue point navigation: cue point data selected
LOOP POINT	During cue point navigation: loop point data selected
NO POINT	During cue point navigation: no cue data recorded
CUE readin	During cue point navigation: reading cue point data
LOOP readin	During cue point navigation: reading loop point data
HOT A readin	During cue point navigation and after inserting disc: reading hot cue point data
HOT B readin	During cue point navigation and after inserting disc: reading hot cue point data
HOT C readin	During cue point navigation and after inserting disc: reading hot cue point data
COPY-MODE	External memory card copying mode
CARD A IN	During copy mode: request for insertion of source card
READING	During copy mode: reading source card
CARD B IN	During copy mode: request for insertion of target card
WRITING	During copy mode: writing to target card
COMPLETE	During copy mode: copying complete
Capa Err	Insufficient space on target card
PROTECTED	Target card's write-protect switch is set to LOCK
CARD ERROR	Malfunction during attempted write
UNFORMAT	Attempt to write to unformatted card
READ ERROR	Loaded card has damaged data, or data malfunction discovered during attempt to read
NO DATA	No data recorded on source card
DISC DELETE ? PUSH MEMORY	Confirmation request when deleting disc point data
ALL DELETE ? PUSH MEMORY	Confirmation request when deleting all card data
DELETE	When deleting card contents
A.CUE -36dB	Auto cue level setting -36dB
A.CUE -42dB	Auto cue level setting -42dB
A.CUE -48dB	Auto cue level setting -48dB
A.CUE -54dB	Auto cue level setting -54dB
A.CUE -60dB	Auto cue level setting -60dB
A.CUE -66dB	Auto cue level setting -66dB
A.CUE -72dB	Auto cue level setting -72dB
A.CUE -78dB	Auto cue level setting -78dB

Specifications

1. General

Type of Unit	DVD video, CD
Power	AC 120 V, 50/60 Hz
Power consumption	47 W
Operating environment temperature	+5 °C – +35 °C (+41 °F – +95 °F)
Operating environment humidity	5-85% (RH) without condensation
Weight	7.3 kg (16.1 lb)
External dimensions	348 (W) x 451 (D) x 128 (H) mm 13-11/16 (W) x 17-3/4 (D) x 5-1/6 (H) in

2. Video output section

Composite output (2)	
Output level	1 V _{p-p} (75 Ω)
Output connector sets	RCA (1), BNC (1)
S1/S2 video output	
Y output level	1 V _{p-p} (75 Ω)
C output level	286m V _{p-p} (75 Ω)
Output connector	S type
Component video output (Y, C _B /P _B , C _R /P _R)	
Y output level	1 V _{p-p} (75 Ω)
C _B /P _B , C _R /P _R	0.7 V _{p-p} (75 Ω)
Output connector	BNC type

3. Preview video output section

Composite output	
Output level	1 V _{p-p} (75 Ω)
Output connector	RCA type
S1/S2 video output	
Y output level	1 V _{p-p} (75 Ω)
C output level	286 mV _{p-p} (75 Ω)
Output connector	S type

4. Audio output section

Audio output (2-channel)	
Audio output level	2.0 V rms (1 kHz, 0 dB)
Channels	2
Output connectors	RCA type
Digital audio output response	
Frequency response (CD)	4 Hz - 20 kHz
Frequency response (DVD [96 kHz])	4 Hz - 44 kHz
S/N ratio	115 dB or above (JEITA)
Total harmonic distortion	0.006% (JEITA)
Digital output	
Coaxial digital output	RCA connector

5. Other connectors

Control connector	Minijack (3.5 ø)
Sync input connector	BNC type

6. Accessories

● SD memory card	1
● Audio cable	1
● Video cable	1
● Control cord	1
● Power cord	1
● Forcible eject pin (mounted on unit's bottom panel)	1
● Operating Instructions	1
● Warranty card	1

All specifications and descriptions are subject to change without notice.

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Should this product require service in the U.S.A. and you wish to locate the nearest Pioneer Authorized Independent Service Company, or if you wish to purchase replacement parts, operating instructions, service manuals, or accessories, please call the number shown below.

800 – 782 – 7210

Please do not ship your product to Pioneer without first calling the Customer Support Division at the above listed number for assistance.

**PIONEER ELECTRONICS (USA), INC.
CUSTOMER SUPPORT DIVISION
P.O. BOX 1760, LONG BEACH,
CA 90801-1760, U.S.A.**

For warranty information please see the Limited Warranty sheet included with your product.

Should this product require service in Canada, please contact a Pioneer Canadian Authorized Dealer to locate the nearest Pioneer Authorized Service Company in Canada. Alternatively, please contact the Customer Service Department at the following address:

Pioneer Electronics of Canada, Inc.

**300 Allstate Parkway
Markham, ON L3R 0P2
(905) 479-4411
1 (877) 283-5901**

For warranty information please see the Limited Warranty sheet included with your product.



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PIONEER CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan

PIONEER ELECTRONICS (USA) INC.

Multimedia and Mass Storage Division: 2265 East 220th Street, Long Beach, CA 90810, U.S.A. TEL: 800-444-OPTI (6784)

PIONEER ELECTRONICS OF CANADA, INC.

Industrial Products Department: 300 Allstate Parkway, Markham, Ontario L3R OP2, Canada TEL: 905-479-4411