JVC

DVD PLAYER

XV-1000BK

DVD PLAYER

JVC STANDBY   XV-1000   DVD PLAYER

POWER

ON/STANDBY

RESUME   LINEAR PCM   96KHz SAMPLING

PHONES   PHONES LEVEL

MIN   MAX

K2 INTERFACE

AV COMPU LINK

DVD VIDEO

DOLBY DIGITAL

ON SCREEN   DVD MENU

ENTER

OPEN/CLOSE   POWER

RESUME

SUB-TITLE
ANGLE   ON/OFF

SLOW   STEP

DVD MENU RETURN

STOP PLAY/PAUSE   PREVIOUS NEXT

ENTER/SELECT

ON SCREEN   UP

LEFT   RIGHT

DOWN

JVC

RM-SV1000U REMOTE CONTROL

DVD

DVD VIDEO   **Video CD**   PlayBack Control   **COMPACT disc** DIGITAL VIDEO   **COMPACT disc** DIGITAL AUDIO

INSTRUCTIONS

Warnings, Cautions and Others

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┌─────────────────────────────────────────────┐
│  ┌──────┐   ┌──────────────────┐   ┌──────┐  │
│  │  ⚡  │   │     CAUTION      │   │  !   │  │
│  │ /__\ │   │ RISK OF ELECTRIC │   │ /__\ │  │
│  │      │   │ SHOCK DO NOT OPEN│   │      │  │
│  └──────┘   └──────────────────┘   └──────┘  │
│                                               │
│  CAUTION:     TO REDUCE THE RISK OF ELECTRIC  │
│  SHOCK. DO NOT REMOVE COVER (OR BACK) .       │
│       NO USER SERVICEABLE PARTS INSIDE.       │
│  REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.│
└─────────────────────────────────────────────┘
```

The lightning flash with arrowhead symbol within an equilateral triangle alerts the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that could cavse electric shock.

The exclamation mark within an equilateral triangle alerts the user to important operating and maintenance (servicing) instructions in the manval for the appliance.

For U.S.A.

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 to 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.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Caution — POWER switch!

Disconnect the mains plug to shut the power off completely. The POWER switch in any position does not disconnect the mains line. The power can be remote controlled.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **DANGER**: Invisible laser radiation when open and interlock failed or bypassed. Avoid direct exposure to beam.
3. **CAUTION**: Do not open the top cover. There are no user service-able parts inside the player; leave all servicing to qualified service personnel.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

Table of Contents

General Information

Important cautions

Installation of the player
- Select a place which is level, dry and neither too hot nor too cold (between 5°C and 35°C or 41°F-95°F).
- Leave sufficient distance between the player and a TV.
- Do not use the player in a place subject to vibrations.

Power cord
- Do not handle the power cord with wet hands!
- A small amount of power (6 watts) is always consumed while the power cord is connected to the wall outlet.
- When unplugging the player from the wall outlet, always pull the plug, not the power cord.

Malfunctions, etc.
- There are no user serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the player.

Safety precautions

Avoid moisture, water and dust
Do not place your player in moist or dusty places.

Avoid high temperatures
Do not expose your player to direct sunlight or place it near a heating device.

When you're away
When away on travel or otherwise for an extended period of time, pull the plug from the outlet.

Do not insert foreign objects into the player
Do not insert wires, hairpins, coins, etc. into your player.

Do not block the vents
Blocking the vents may damage your player.

Care of the cabinet
When cleaning your player, use a soft cloth and follow the relevant instructions on the use of chemically-coated cloths. Do not use benzene, thinner or other organic solvents and disinfectants. These may cause deformation or discoloring.

If water gets inside the player
Turn off the power switch and pull the plug from the electrical socket, then call the store where you made your purchase. Using the player in this state may cause a fire or electrical shock.

Introduction

Introducing the XV-1000BK

DVD is the most innovative creation of audio and video technology. With the same physical size as the CD, DVD has much more storage capacity and can play back the finest images and sound. It also realizes revolutionary features such as multi-language capability, multi-angle function, etc.

The XV-1000BK DVD player delivers the outstanding performance of DVD, thanks to JVC's advanced technology and sophisticated graphical user navigation system. The XV-1000BK can also play back CDs and video CDs.

High quality video images
• Amazing color purity and sharpness with extremely low video distortion.
• Greater horizontal resolution than S-VHS or Laser disc.

High quality sound
• The newly developed K2 interface LSI delivers pure sound with no digital distortion.
• 1-bit DD converter that handles 20- bit, 96-kHz Fs audio signals and JVC's original PEM (Pulse Edge Modulation) circuit achieve more than double the resolution of conventional converters.
• By separating and isolating the power supplies for the analog and digital circuitry, the interference which causes digital noise to enter the analog system is eliminated.
• Separation of the circuits, PLL clock generators and power supplies for the audio unit and video unit improve sound quality.

Support for various DVD functions

Note: Each function below is available only if the DVD disc to be played back supports it.

• **Multi-language function**
  Multi-language function for audio and subtitles. You can choose any combinations of audio and subtitle languages, such as English audio with subtitles, or audio with no subtitles.

• **Multi-angle function**
  You can select from multiple camera angles of the same scene.

• **Parental lock**
  You can restrict the playback of discs with scenes which you do not wish your child to see, such as adult or violent films.

• **Multi aspects**
  Images can be viewed normally on a 4:3 (normal) television from a disc made for 16:9-screen (wide) televisions.

• **AC-3 bitstream output**
  XV-1000BK have facility for output of AC-3 bitstream signal.

Controls and functions

■ Front panel
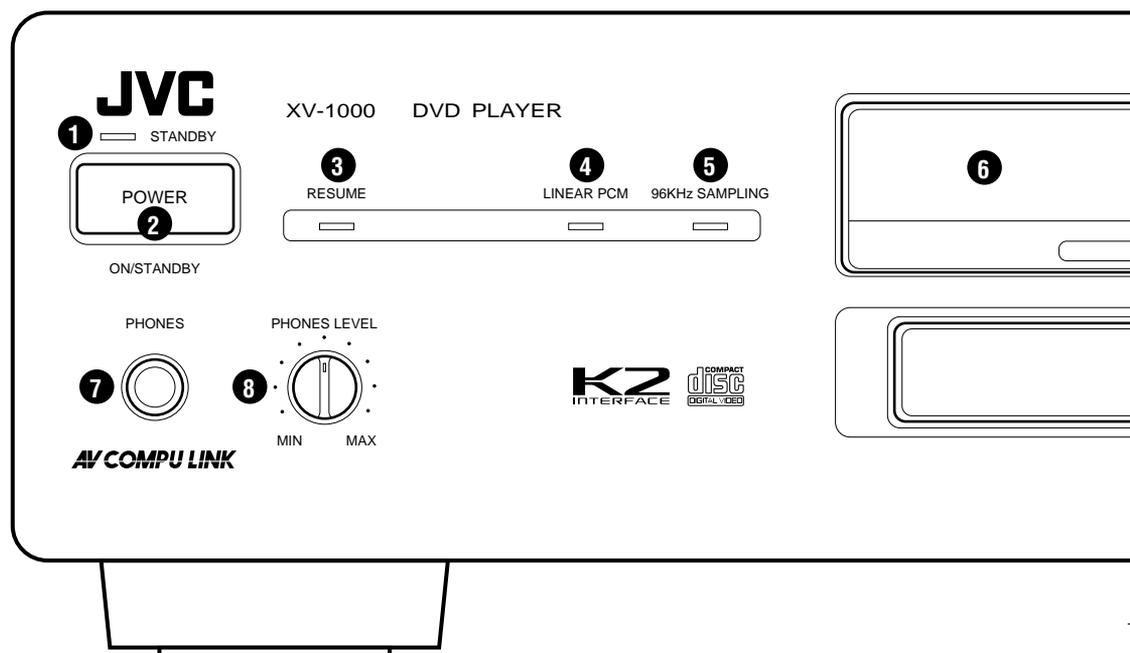
① STANDBY indicator

Lights when the power cord is connected and the XV-1000BK is at standby. When the XV-1000BK turns on, the STANDBY indicator goes off.

② POWER

Switches the power on and the player to standby.

③ RESUME indicator

Lights when a point to be resumed is stored.

④ LINEAR PCM indicator

Lights when linear PCM audio is played back by DVD or CD.

⑤ 96kHz SAMPLING indicator

Lights when the sampling frequency of linear PCM audio played back by DVD is 96kHz.

⑥ Remote sensor

⑦ PHONES

Connection terminal for headphones.

⑧ PHONES LEVEL

Adjusts the listening level of headphones connected to the PHONES jack.

⑨ Display

Indicates the current status of the XV-1000BK.

⑩ DVD indicator

Lights when a DVD disc is inserted.
It blinks just after a disc is inserted.

⑪ Disc tray

Used to load discs.
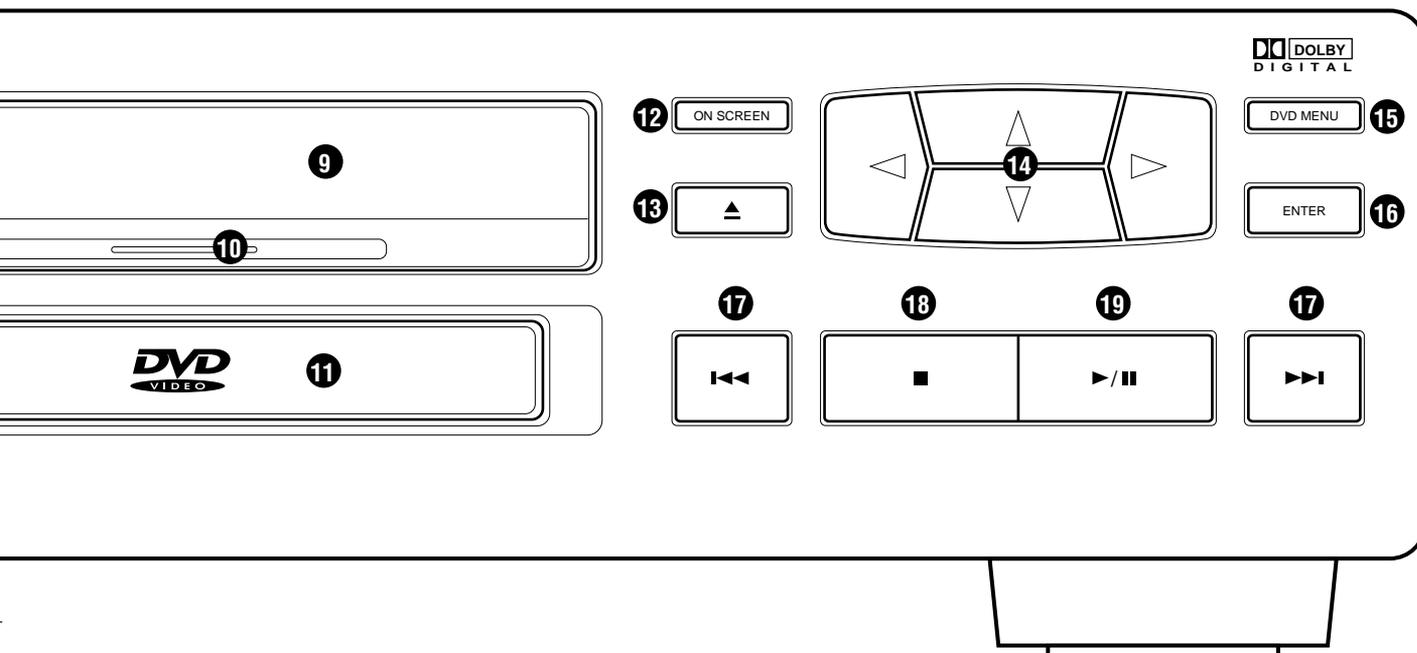
⑫ ON SCREEN

Displays an on-screen display of the XV-1000BK on the television screen or monitor. (See "On-screen displays" on page 17.)

⑬ ⏏ (Open/Close)

Opens and closes the disc tray.

⑭ △/▽/▷/◁ (Cursor buttons)

Selects an item in on-screen displays or DVD menus.

⑮ DVD MENU

Displays a DVD menu on the television screen or monitor.

⑯ ENTER

Executes a selected item in a DVD menu or on-screen display.

⑰ ⏮, ⏭ (Skip/Search)

Performs skip, fast forward/backward, or previous/next.

⑱ ■ (STOP)

Stops playback.

⑲ ►/❚❚ (Play/Pause)

Starts playback. Also, pauses playback.

■ Remote control unit

OPEN/CLOSE

RESUME

ANGLE

SUB-TITLE ON/OFF

SLOW STEP

DVD MENU RETURN

STOP PLAY/PAUSE

ON SCREEN

POWER

1 2 3
4 5 6
7 8 9
+100 10 0 +10

PREVIOUS NEXT

ENTER/SELECT

UP

LEFT RIGHT

DOWN

JVC

RM-SV1000U REMOTE CONTROL

DVD VIDEO
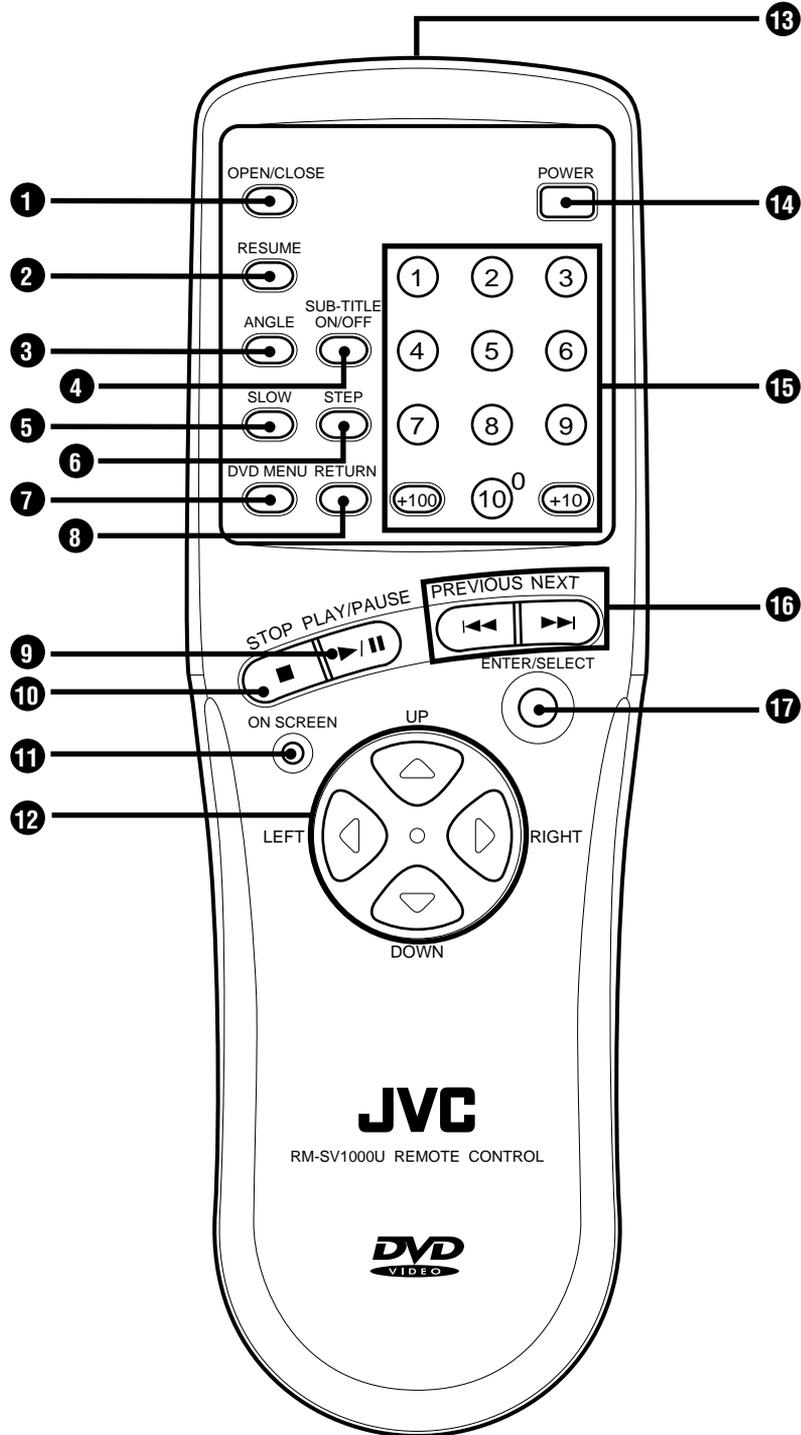
❶ OPEN/CLOSE

Opens and closes the disc tray.

❷ RESUME

Stores the location to be resumed later.
(See "Resuming Playback" on pages 24, 30 and 38.)

❸ ANGLE (for DVD)

Changes camera angles during playback of a DVD shooting by multiple cameras.
(See "Changing the Angle" on page 27.)

❹ SUB-TITLE ON/OFF (for DVD)

Turns on or off subtitles.
(See "Subtitle on/off" on page 27.)

❺ SLOW (for DVD/video CD)

Starts slowmotion playback.
(See "Playing in slow-motion" on pages 24 and 37.)

❻ STEP (for DVD/video CD)

Advances pictures frame by frame.
(See "Advancing a picture frame-by-frame" on pages 23 and 37.)

❼ DVD MENU

Displays a DVD menu on the television screen or monitor.
(See "Displaying DVD menus" on page 21.)

❽ RETURN (for DVD/video CD)

Returns to the previous menu.

❾ ► PLAY/❚❚ PAUSE

Starts playback. Also, pauses during playback.

❿ ■ STOP

Stops playback.

⓫ ON SCREEN

Displays an on-screen display of the XV-1000BK on the television screen or monitor.
(See "On-screen displays" on page 17.)

⓬ △/▽/▷/◁ (Cursor buttons)

Selects an item in on-screen displays or DVD menus.

⓭ Infrared light-emitting window

Point this window toward the remote sensor on the front panel when pressing buttons.

⓮ POWER

Switches the power on and the player to standby.

⓯ Numeric keys

Inputs title/track/chapter numbers and disc time.
(See "How to use numeric keys" on page 16.)

⓰ I◄◄, ►►I (Skip/Search)

Performs skip, fast forward/backward, or previous/next.

⓱ ENTER/SELECT

Executes a selected item in a menu or on-screen display.

■ Rear panel
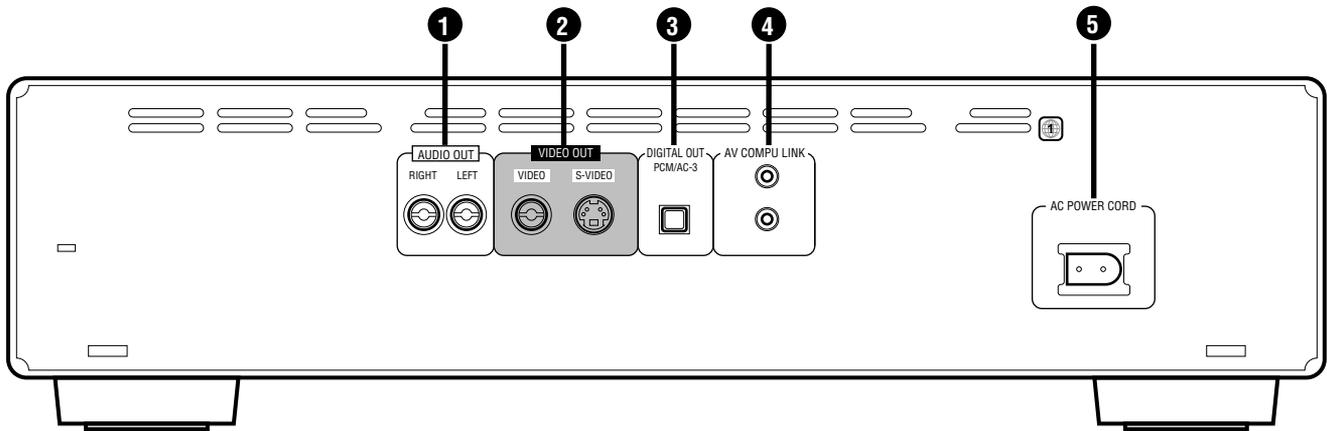
❶ AUDIO OUT

Outputs stereo analog audio signals.

❷ VIDEO OUT

VIDEO outputs composite video signals, while S-VIDEO outputs S-video signals.

❸ DIGITAL OUT

Outputs digital audio signals.

❹ AV COMPU LINK

Connects with another JVC equipment supporting the AV Compulink to facilitate operations.
(See "AV COMPULINK Remote Control System" on page 54.)

**❺ AC POWER CORD**

Connects to the wall outlet.

Supplied accessories
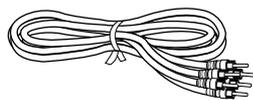
Audio/video cable (x 1)

S-video cable (x 1)

RM-SV1000U
Remote Control Unit (x 1)
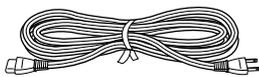
Power cord (x 1)
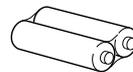
R03 (UM-4)/AAA (24F) batteries (x 2) for RM-SV1000U

AV compulink cord (x 1)

Before Using for the First Time

Before making any connections

• Since different components often have different terminal names, carefully read the instruction manual supplied with the component you wish to connect.
• Do not connect the AC power cord until all other connections have been made.

Basic connections

■ Connecting the XV-1000BK to a TV

You can enjoy the XV-1000BK by simply connecting it with a television set. To hear audio sound with better quality, connect the audio outputs with your audio equipment. (See the next page.)

Note: Be sure not to plug in the power cord until all other connections have been made.

The XV-1000BK can be connected directly to a television set equipped with stereo audio input and video input jacks using the supplied audio/video cables.

If your television set has a monaural audio input instead of stereo, you need to use an optional audio cable which converts stereo audio output to monaural.

If your television set has an S-video input, we recommend you to connect it with S-VIDEO of the XV-1000BK using the supplied S-video cable, in addition to the (standard) video connection, to get a better picture quality.

Connect VIDEO OUT of the XV-1000BK with the video input of a television set. Connecting VIDEO OUT of the XV-1000BK to a VCR may cause a monitor problem when playing back a copy-protected disc.

XV-1000BK

Red White Yellow

Audio/video cable (Supplied)

S-Video cable (Supplied)

To audio input right To audio input left To video input

To S-video inputs

TV

To VIDEO OUT

To AUDIO OUT RIGHT

To AUDIO OUT LEFT

Yellow

Red

White

Audio/video cable (mono)
(optional)

Yellow

Black

To video input

To audio input (mono)

DVD Player

TV

■ Connecting with an audio amplifier or receiver

You can enjoy high-quality audio by connecting the XV-1000BK's audio outputs to
your amplifier or receiver.

**Note: Be sure not to plug in the power cord until all other connections have been
made.**

Connect the XV-1000BK's AUDIO OUT to any line-level inputs (such as AUX, DVD,
CD, etc.) of an audio amplifier or receiver.

XV-1000BK

AUDIO OUT
RIGHT   LEFT

VIDEO OUT
VIDEO   S-VIDEO

DIGITAL OUT
PCM/AC-3

AV COMPU LINK

AC POWER CORD

Red

White

Audio cable
(Optional)

To audio inputs

Amplifier or receiver
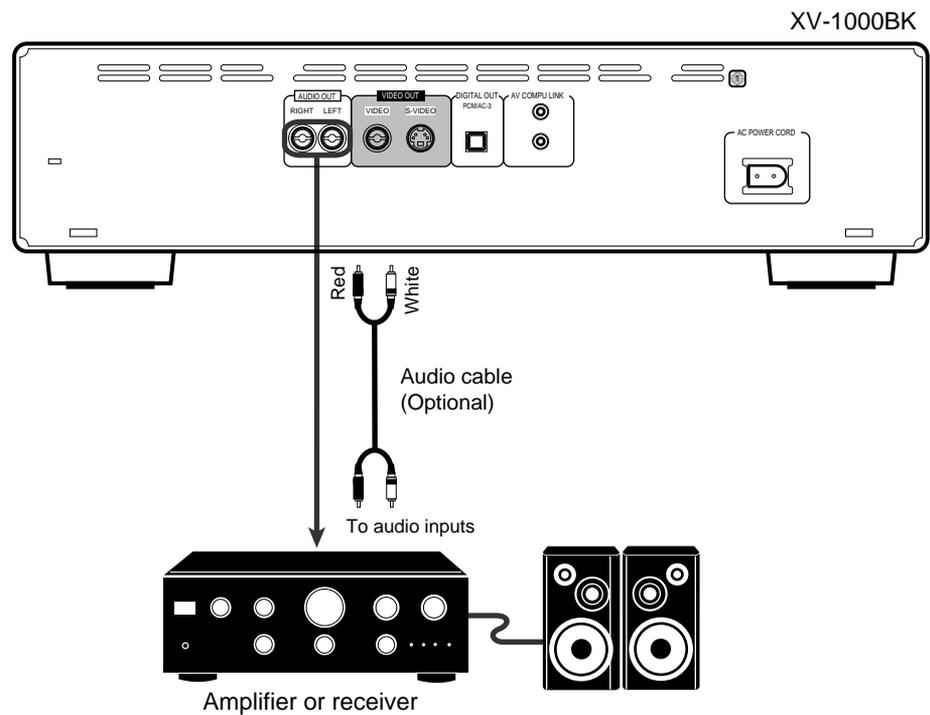
Connecting via DIGITAL OUT

To build an audio system that supports Dolby Digital (AC-3), or to use an other DA converter or to copy audio digitally to a DAT or MD, DIGITAL OUT can be used.

■ Connecting with a Dolby digital (AC-3) decoder

By connecting the XV-1000BK with an AC-3 decoder or an amplifier with a built-in AC-3 decoder, you can enjoy full audio sound from a DVD disc encoded with Dolby Digital (AC-3).

XV-1000BK

AUDIO OUT   VIDEO OUT   DIGITAL OUT   AV COMPU LINK
RIGHT LEFT VIDEO S-VIDEO PCM/AC-3

AC POWER CORD

Optical digital cable

To digital input

Amplifier or receiver
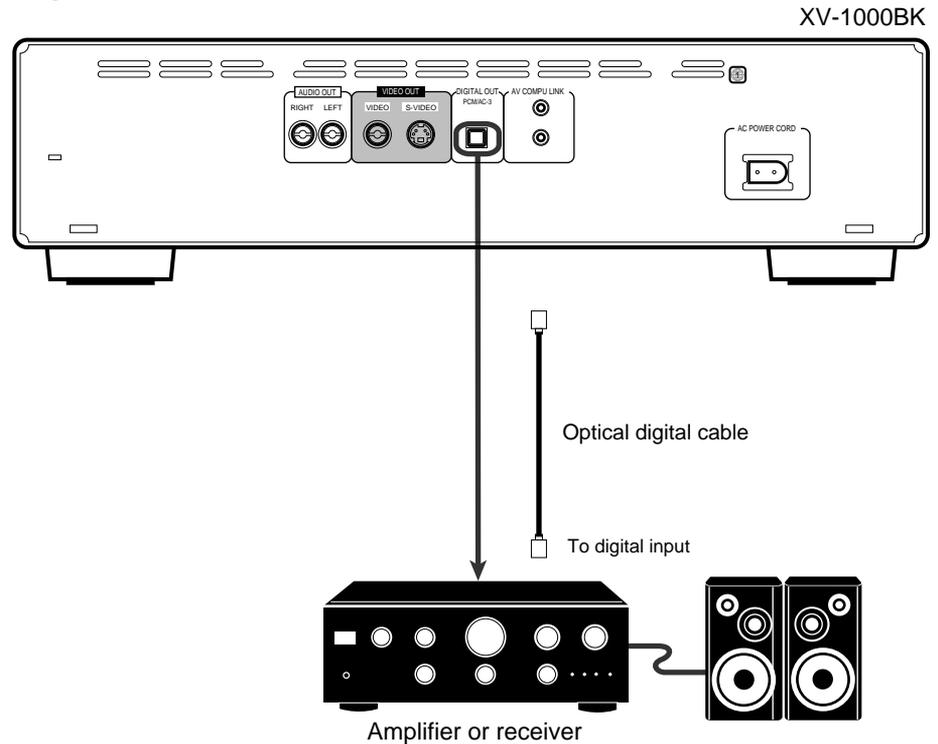
Connect the XV-1000BK's DIGITAL OUT with the AC-3 digital input of an AC-3 decoder or an amplifier with a built-in AC-3 decoder using an optional digital cable.

A disc encoded with Dolby Digital (AC-3) indicates the symbol [DOLBY DIGITAL] .

Note: **Before actual usage, set "DIGITAL AUDIO OUTPUT" in the "PREFERENCE" display to "PCM/AC-3." See "Preference via "PREFERENCE" on-screen display" on pages 46, 47 and 48.**

* Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol [DD] and "AC-3" are trademarks of Dolby Laboratories Licensing Corpration.

■ Connecting with an audio equipment with PCM digital optical input

By connecting the XV-1000BK's DIGITAL OUT with the digital optical input of an amplifier, DAT or MD using a digital cable, the digital stereo audio signal in a disc is directly transferred.

XV-1000BK

Optical digital cable

To digital input

MD Player
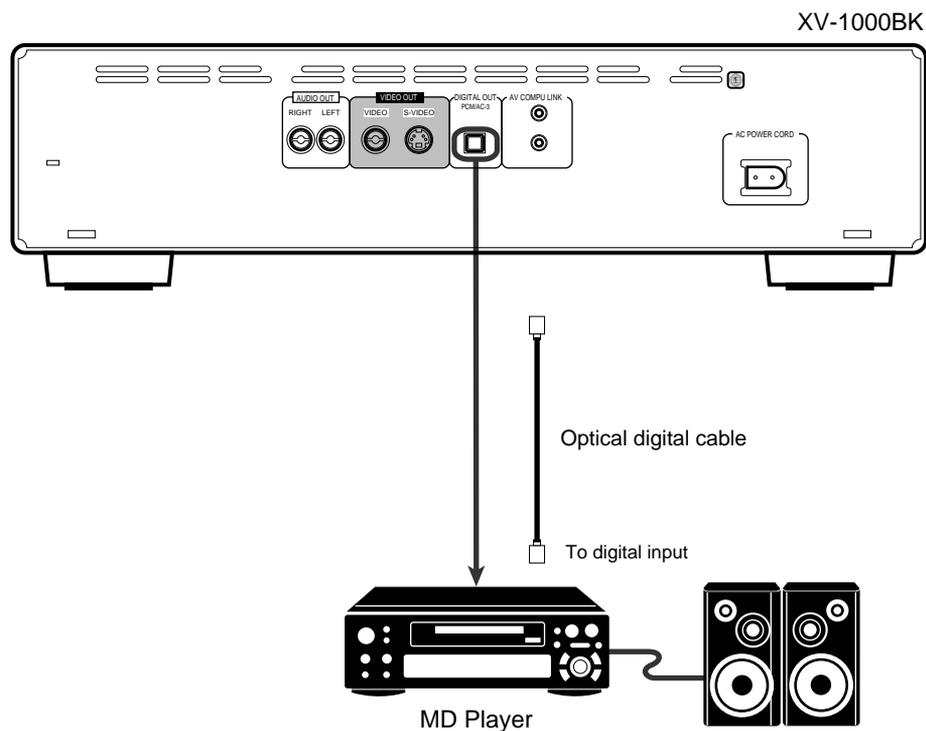
Note: Before actual usage, set **"DIGITAL AUDIO OUTPUT"** in the **"PREFERENCE"** display to **"PCM ONLY,"** otherwise, playing back a Dolby AC-3 encoded DVD may generate noise and, in the worse case, damage your speakers. See "Preference via "PREFERENCE" on-screen display" on pages 46, 47 and 48.

Supplying the AC power
Only when all the connections have been mede, insert the power plug into the wall outlet. The STANDBY indicator lights and the setup is complete.

Connecting the power cord

Connect the power cord after all the connections have been made. Be sure to insert the power cord firmly.

⚠ Warning

• Disconnect the power cord if you are not going to use the player for a long time.
• Disconnect the power cord before cleaning the player.
• Unplug and remove the power cord from the player and the wall outlet before moving it.
• Do not connect or disconnect the power cord with wet hands.
• Do not pull the power cord when disconnecting it, as this may damage the cord and cause fire, electric shock, or other accidents.

⚠ Caution

• Do not damage, remodel, twist, or pull the power cord, as this may cause fire, electric shock, or other accidents.
• Contact a dealer and get a new power cord if the cord is damaged. A damaged cord may cause fire, electric shock, or other accidents.
• Do not put anything heavy or this player on the power cord, as this may cause fire, electric shock, or other accidents.

Installing batteries in the remote control unit

The battery compartment is located on the back of the remote control unit.

1. Press down on the triangular mark of the compartment cover, and slide the cover off to open the compartment.
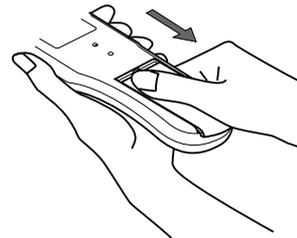
2. Place the two accessory R03 (UM-4)/AAA (24F) batteries in the remote control according to the polarity markings ("+" and "–") inside the compartment and on the batteries.
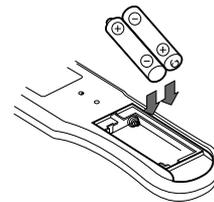
3. Place the cover over the compartment, press down lightly, and push it upward until it snaps on.

13
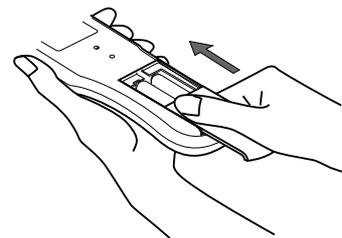
The batteries will last about one year with normal use. If the functions of the remote control become erratic, replace the batteries. See "Precautions for the safe use of batteries" below for more information.

Precautions for the safe use of batteries

Observe the following precautions for the safe use of batteries. If they are used improperly, their life will be shortened, they may burst or their contents may leak.

- Remove the batteries from the remote control if it is not going to be used for a long period of time.
- Remove dead batteries and dispose of them properly.
- Never leave dead batteries lying around, take them apart, mix them with other refuse, or throw them into an incinerator.
- Never touch liquid that has leaked out of a battery.
- Do not mix new and old batteries, or batteries of different types, when replacing them.

Preliminary Knowledge

Playable discs by XV-1000BK

The XV-1000BK can play back DVD video, video CD and audio CD discs.

- DVD players and DVD discs have their own numbers describing the region(s) where they can be played by retail areas. These numbers are called "Region Codes." The Region Code for this unit is "1", so any discs whose Region Codes is not "1" cannot be played.

  Examples of playable DVD discs

- This unit is designed to use the NTSC system.
- Any other discs than listed above (CD-ROM, Photo CD, etc.) cannot be played. Playing back such discs may generate noise and damage speakers.
- Sound of CD-G discs are playable but pictures are unplayable.
- Do not play back CD-R discs. Playing back a CD-R disc may damage the contents of the disc.

What are title, chapter and track?

A DVD disc comprises "titles," while an audio CD or video CD comprises "tracks." Each title may be divided into some "chapters." For example, if a disc contains some movies, each movie may have its own title number, and each movie may be divided into some chapters. In a karaoke disc, each song usually has its own title number and does not have chapters. In general, each title has an independent content, while each chapter in the same title has continuity.

Title 1	Title 2
Chapter 1	Chapter 2	Chapter 3	Chapter 1	Chapter 2

For a DVD

Track 1	Track 2	Track 3	Track 4
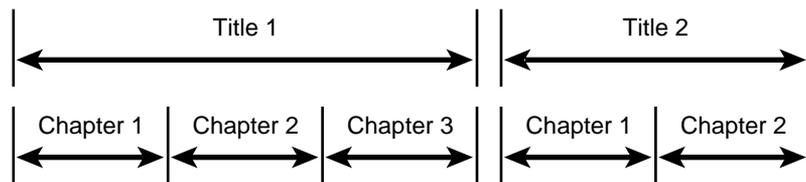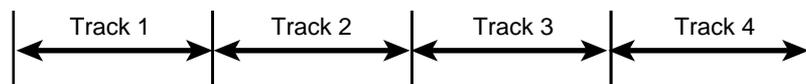
For an audio CD

How to use numeric keys

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
+100 ⑩⁰ +10
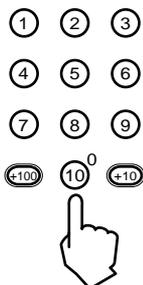
■ To select a track or title number directly using numeric keys

• **To select a number between 1 and 10 ...**
  Press the corresponding key(s) for the number.

• **To select a number higher than 10 ...**
  Use the +10 or/and +100.

  Example 1: To select 13
  +10 → 3
  Example 2: To select 35
  +10 → +10 → +10 → 5
  Example 3: To select 40
  +10 → +10 → +10 → 10
  Example 4: To select 123
  +100 → +10 → +10 → 3

■ To enter a specific time or chapter number via on-screen displays

Press the corresponding numeric keys for a desired time or number from left to right digits, then ENTER/SELECT.
To enter a zero, use the "10" button.

  Example 1: To enter 10:52
  1 → 10 → 5 → 2 → ENTER/SELECT
  Example 2: To enter chapter number 14
  1 → 4 → ENTER/SELECT

• If you enter a wrong number, enter zeros until the wrong number disappears, then reenter the correct numbers.

On-screen guide and invalid operation icons

■ On-screen icons

During DVD playback, you may see icons displayed over the picture. These have the following meanings.

: Displayed at the beginning of a scene recorded from multiple angles. (See "Changing the angle" on page 27.)

: Displayed at the beginning of a scene recorded with multiple audio languages. (See "Changing the audio" on page 28.)

: Displayed at the beginning of a scene recorded with multiple subtitles. (See "Changing the subtitle language" on page 27.)

You can set not to display on-screen icons above via the preference settings described on pages 46, 47 and 48.

■ Invalid operation icon

When you press a button, if the XV-1000BK does not accept its operation, appears on your television screen. Operations are occasionally unacceptable even if is not displayed.

Note that some operation may not be accepted. For example, some discs may not allow fast forward, fast backward or slow-motion playback.

On-screen displays

The XV-1000BK provides several On-Screen Displays shown below for choosing preferences for initial settings and functions which are not frequently used in most cases.

Opening display

DVD during playback
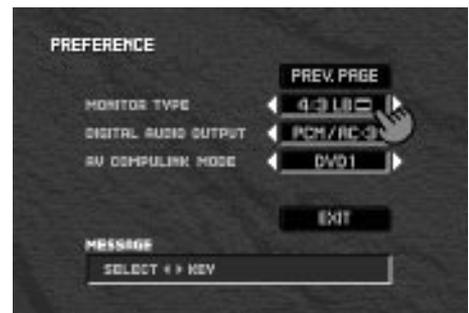
For preferences

CD (For CD during playback
or stop and for video CD during stop)

For video CD
(during playback)

For DVD parental lock settings

To access on-screen displays, press ON SCREEN (except for Parental lock). Depending on the type of disc inserted (or "no disc") and the XV-1000BK's mode, a proper on-screen display is accessed.
See "Setting Parental Lock" on pages 49, 50 and 51.

👆 appears at the on-screen display. You can move 👆 using △/▽/▷/◁. You can select preferences you want to change and functions you want to be worked with this on an item.

Basic operations at the on-screen display are as follows.
• In the message box like ◀ 1 ▶ , change the setting by moving 👆 with ◁/▷ bottons.
• ▬▬▬▬▬ - type item works when you place 👆 on the item and press ENTER/SELECT.
• In the message box, 👆 points to the operation to be done.
• Numbers are entered using numeric keys.
• Some functions become effective by pressing the ENTER/SELECT button after specifying necessary entries.
• Press on-screen button to disappear on-screen displays except Parental Lock on-screen display.
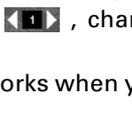
In the displays for playback mode of DVD and video CD, the following information is displayed under the image screen.

DVD	Video CD

DVD:
Current title number
Current chapter number

B ▬▬▬ E T. 03 CHAP. 033 TIME 2:34:58

Current relative position on the title (B: beginning, E: end)
Elapsed time from the beginning of the current title

Video CD:
Current track number

B ▬▬▬ E T. 03 TIME 34:58

Current relative position on the track (B: beginning, E: end)
Elapsed time from the beginning of the current track
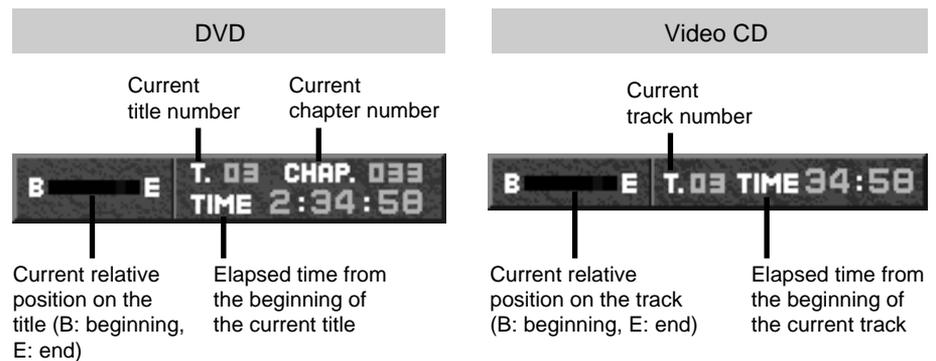
Refer to the corresponding paragraphs for detailed information.

Screen saver function

A television monitor screen may be burned out if a static picture is displayed for a long time. To prevent this, the XV-1000BK automatically activates the screen saver function if a static picture, such as an on-screen display or menu, is displayed for 5 minutes.

Pressing any button of the XV-1000BK or the remote control unit will release the screen saver function and go back to the previous display.

Basic Operations

This chapter explains the basic playback common for DVD, audio CD and video CD. The illustrations in the left column here show the buttons of the remote control unit to be operated, however, you may use the corresponding buttons on the front panel of the XV-1000BK.

Playing back

OPEN/CLOSE

1. Press OPEN/CLOSE to open the disc tray.

2. Place the disc in the tray with the label side up.

Notes: **When loading a disc in the tray, be sure to position the disc inside the recess. Otherwise, the disc may be damaged when the tray is closed, and the disc may not be removed from the player.**
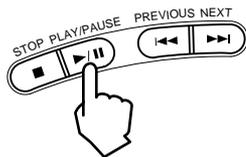
3. Press ►/❚❚ to close the tray.

The XV-1000 starts playback from the beginning of the disc.

If a menu button appears:
Refer to "Selecting from menu items" on the next page.

To stop playback:
Press ■.

To pause playback:
Press ►/❚❚. Pressing it again resumes playback.

To move fast forward or fast backward:
Hold down |◄◄ or ►►|. Releasing the button returns the XV-1000BK to the normal playback mode.

* Both fast forward and fast backward move slowly for a while and then quickly thereafter.
* During fast forward or fast backward with a DVD disc or video CD, no audio is output.

Some functions like fast forward or fast backward are disabled because of the recording method of DVD discs. In this case, the functions do not work even if the operations are done.

Selecting an item from a menu

With some DVD and video CD discs, a menu may appear during playback.

Example of menu

To select an item in the menu:
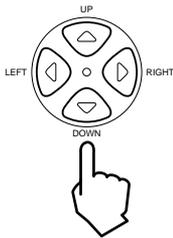
1. Select a desired item using △/▽/▷/◁ , then press ENTER/SELECT.
   The XV-1000BK starts playback of the selected item.

   With some discs, you can select the item by entering the corresponding number using the numeric keys, causing the XV-1000BK to automatically start playback. You cannot use △/▽/▷/◁ with video CDs.

   * If you can see "NEXT" or "PREVIOUS," or equivalents in the menu, pressing ⏮ or ⏭ usually turns the menu pages.
   * Pressing "RETURN" returns to the previous menu.

   The operation procedure may be different depending on discs. Read the manual for the discs and follow the procedure indicated in the menu.

DVD Video Operations

This chapter explains all the functions of the XV-1000BK for playing back DVD discs. You can enjoy DVD in various ways, some of which only DVD can offer.
Read "Basic Operations" on pages 19 and 20 before reading this chapter.

Displaying DVD menus

Most DVD discs have their own menus for selecting an item (title or chapter) to be played. A menu may be displayed automatically after inserting a disc or manually during playback or stop.

■ Basic operation

DVD MENU

1. Press DVD MENU.
   The menu appears. The format and appearance of menus are different between discs. Also, a disc may contain more than one menu.

   See "Selecting an item from a menu" on page 20 for details of operations in a menu.

   If ⊗ appears when pressing DVD MENU:
   The disc does not contain any menu.

■ To access a title menu

If a disc contains more than one menu, you can access the most basic menu (in most cases) via the on-screen menu.

ON SCREEN

1. Press ON SCREEN during playback.

UP
LEFT RIGHT
DOWN

2. Move 👆 to "TITLE MENU" using △/▽ .
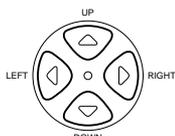
ENTER/SELECT

3. Press ENTER/SELECT.

   A DVD title menu appears.
   See "Selecting an item from a menu" on page 20 for details of operations in a menu.

   If ⊗ appears when pressing ENTER/SELECT:
   The disc does not contain title menu.

Locating a title

You can locate a title you want to see by selecting a title number.
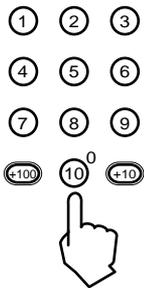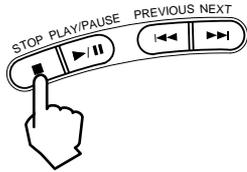
1. Press ■ to stop the disc.

2. Press the corresponding numeric keys for a desired title.
    The XV-1000BK starts playback of the title.

    If ⊗ appears when pressing numeric key(s):
    The disc does not contain the corresponding title.

Selecting a chapter

You can specify a chapter to be played back using the on-screen display.
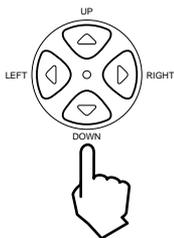
1. Press ON SCREEN during playback.
    The on-screen display appears.

2. Move ✋ to "CHAP. SEARCH" using the △/▽ .
    The message box indicates "GO TO CHAPTER: ".

    ◄ 1 ► ANGLE
    ◄ 2 ► AUDIO
    ◄ 3 ► SUBTITLE
    ◄ A ► PICTURE
    REPEAT
    A-B REPEAT
    TIME SEARCH
    CHAP. SEARCH
    TITLE MENU
    EXIT

    B ── E T. 03 CHAP. 033
           TIME 2:34:58
    MESSAGE
    GO TO CHAPTER =
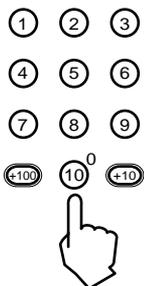
3. Enter a desired chapter number using the numeric keys.
    See page 16 for details about how to use the numeric keys.

4. Press ENTER/SELECT.
    The XV-1000BK starts playback from the selected chapter.

    If ⊗ appears when pressing ENTER/SELECT:
    The disc does not contain chapters, or prohibits the chapter search function.

    To turn off the on-screen display:
    Press ON SCREEN.

Starting playback from a specific time

If a DVD disc has time information (such a disc indicates the time in the display on the front panel), you can specify the time to start playback.

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move 👆 to the "TIME SEARCH" using △/▽ .
   The message box indicates "GO TO : : ".

```
                              ◄ 1 ► ANGLE
                              ◄ 2 ► AUDIO
                              ◄ 3 ► SUBTITLE
                              ◄ A ► PICTURE
                                REPEAT
                              A-B REPEAT
                              TIME SEARCH
          T. 03  CHAP. 033    CHAP. SEARCH
   B▬▬▬▬E  TIME 2:34:58       TITLE MENU
   MESSAGE
   GO TO  :  :  ──► ENTER        EXIT
```

1 2 3
4 5 6
7 8 9
+100 10 +10
     0
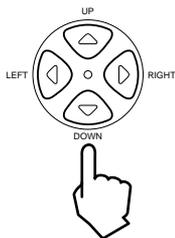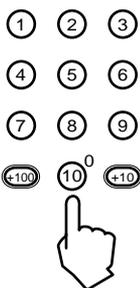
3. Enter a desired time using the numeric keys.
   See page 16 for details about how to use the numeric keys.

ENTER/SELECT

4. Press ENTER/SELECT.
   The XV-1000BK starts playback from the specified time.

   If ⊗ appears when pressing ENTER/SELECT:
   The disc does not contain time code, or prohibits the time search function.

   To turn off the on-screen display:
   Press ON SCREEN.

## Advancing a picture frame-by-frame

You can advance a still picture frame-by-frame.

STEP

1. Press STEP during playback.
   The XV-1000BK pauses.
   Each time you press STEP, the picture advances one frame.

   Pressing ►/❚❚ returns the XV-1000BK to normal playback.

   * The audio is muted during frame-by-frame playback.
   * You cannot backward a picture frame-by-frame.

Playing in slow-motion

You can playback a disc in slow-motion.

SLOW

1. Press SLOW during playback.
   The playback speed slows down to half the normal speed.

   Thereafter, each press of SLOW slows the speed down to 1/3, 1/4, 1/8, 1/16 and 1/32 of the normal speed.

   Pressing ►/❚❚ returns the XV-1000BK to normal playback.

 * Audio is muted during slow-motion playback.
 * When the picture is being played back at 1/32 of the normal speed (which is the slowest) after pressing SLOW six times, the SLOW button is not effective.
 * Pressing STEP in slow-motion mode freezes the motion.

Resuming playback

The XV-1000BK can memorize a position on a disc you specify and resume playback from that position later.

■ Memorizing a position

RESUME

1. Press RESUME during playback to memorize the current playback position.
   When memorized, the RESUME indicator on the front panel lights.

 * Switching the power to STANDBY during playback clears the current memory.
   The STANDBY memory settings then become valid.

   To clear the memory:
   Take out the disc from the disc tray.

 * The memory is not cleared by switching the power to STANDBY.
 * The last memory overrides the previous memory.

■ Resuming playback

RESUME

1. Press the RESUME button when the power is in the standby mode.

   The player will locate the memory position and start playback.

Repeating a title

You can repeat playback of the current title.

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

24
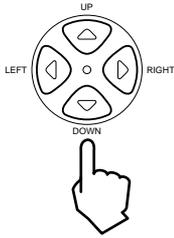
2. Move to "REPEAT" using △/▽ .

3. Press ENTER/SELECT once.
    The message box indicates "TITLE REPEAT".
    The current title will be repeated.

    If ⊗ appears when pressing ENTER/SELECT:
    You cannot repeat the title because of the disc contents.

    To turn off the on-screen display:
    Press ON SCREEN.
    Pressing it again turns on the on-screen display again.

    To quit Title Repeat:
    Move to "REPEAT" in the on-screen display and press ENTER/SELECT
    twice. The REPEAT button returns to its original color.

Repeating a chapter

You can repeat a current chapter.

1. Press ON SCREEN during playback.
    The on-screen display appears.
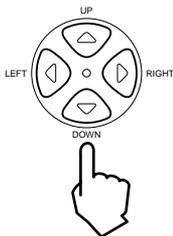
2. Move to "REPEAT" using △/▽ .

ENTER/SELECT

3. Press ENTER/SELECT twice.
    The current chapter will be repeated.
    The message box indicates "CHAPTER REPEAT".

If ⊗ appears when pressing ENTER/SELECT:
You cannot repeat the chapter because of the disc contents.

To turn off the on-screen display:
Press ON SCREEN.
Pressing it again turns on the on-screen display again.

To quit Chapter Repeat:
Move ☞ to "REPEAT" in the on-screen display and press ENTER/SELECT
once. The REPEAT button returns to its original color.

Repeating a part

You can repeat a part in the current title.
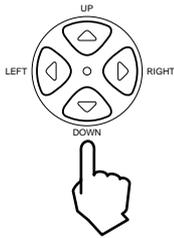
ON SCREEN

1. Press ON SCREEN during playback.
    The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move ☞ to "A-B REPEAT" using △/▽ .

```
◄ 1 ► ANGLE
◄ 2 ► AUDIO
◄ 3 ► SUBTITLE
◄ A ► PICTURE
   REPEAT
   A-B REPEAT
   TIME SEARCH
   CHAP. SEARCH
   TITLE MENU
   EXIT

B━━━E   T. 03  CHAP. 033
        TIME 2:34:58
MESSAGE
PRESS  ENTER ━► EXECUTE
```

ENTER/SELECT

3. At the beginning of the desired part (point A), press ENTER/SELECT.

ENTER/SELECT

4. At the end of the desired part (point B), press ENTER/SELECT.
    The XV-1000BK locates "A" and starts playback between "A" and "B"
   repeatedly.

To quit A-B Repeat:
Move ☞ to "A-B REPEAT" in the on-screen display and press ENTER/SELECT.

If ⊗ appears when pressing ENTER/SELECT:
You cannot execute the A-B Repeat because of the disc contents.

To turn off the on-screen display:
Press ON SCREEN.
Pressing it again turns on the on-screen display again.

Changing the angle

Some DVD discs may have "multi-angle" parts, in which multiple cameras were used to shoot the same scene from different angles. You can select one of these angles during playback.

ANGLE

1. Press ANGLE on the remote control unit.
   Each time you press the button, the angle changes in numerical order.
   The ANGLE function is effective only when the current playback scene is recorded from multiple angles.

   Example: Selecting from three different angles

   Initial setting: → Press ANGLE once: → Press it again: → Press it again:
   angle 1   angle 2   angle 3   angle 1

   If ⊠ appears when pressing ANGLE:
   The current scene is not recorded from multiple angles.

* You can also select the angle via the "ANGLE" in the on-screen display.

   1. Press ON SCREEN during playback.

   2. Move 🖑 to "ANGLE" using △/▽ .

   3. Change the angle number using ◁/▷ .

Subtitle on/off

You can select whether or not subtitles are displayed.

SUB-TITLE
ON/OFF

1. Press SUBTITLE ON/OFF on the remote control unit.
   The ON/OFF status is switched.

 * Subtitles cannot be displayed unless a DVD includes subtitles.
 * With some discs, subtitles are always displayed and SUBTITLE ON/OFF does not work.

Changing the subtitle language

You can choose the subtitle language from among the languages included on a disc during playback.

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

2. Move ☜ to "SUBTITLE" using △/▽ .

```
                    ◄ 1 ► ANGLE
                    ◄ 2 ► AUDIO
                    ◄ 3 ► SUBTITLE
                    ◄ A ► PICTURE
                         REPEAT
                       A-B REPEAT
                       TIME SEARCH
   B        E  T. 03  CHAP. 033    CHAP. SEARCH
              TIME 2:34:58          TITLE MENU
 MESSAGE
 SELECT ◄ ► KEY                       EXIT
```
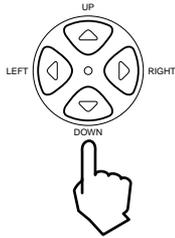
3. Change the subtitle number using ◁/▷ .
   The subtitle language changes in numerical order.

   Example: Selecting from three subtitle languages

   Language 1 ⟷ Language 2 ⟷ Language 3
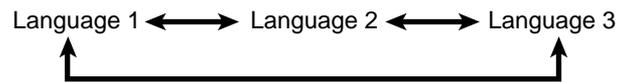
   If you cannot change the number, the disc contains only one subtitle language
   or does not contain any subtitles.

Changing the audio

You can change the audio language or sound during playback.

1. Press ON SCREEN during playback.
   The on-screen display appears.

2. Move ☜ to "AUDIO" using △/▽ .

```
                    ◄ 1 ► ANGLE
                    ◄ 2 ► AUDIO
                    ◄ 3 ► SUBTITLE
                    ◄ A ► PICTURE
                         REPEAT
                       A-B REPEAT
                       TIME SEARCH
   B        E  T. 03  CHAP. 033    CHAP. SEARCH
              TIME 2:34:58          TITLE MENU
 MESSAGE
 SELECT ◄ ► KEY                       EXIT
```
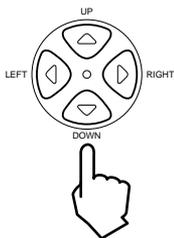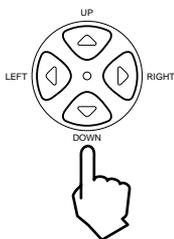
3. Change the audio number using ◁/▷ .
   The audio changes in numerical order.

   Example: Selecting from three audio languages

   Audio 1 ⟷ Audio 2 ⟷ Audio 3
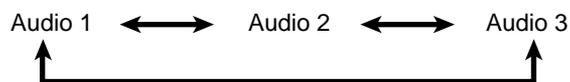
   If you cannot change the number, the disc contains only one audio channel.

Selecting picture character

You can select from two picture characters; soft or sharp.

ON SCREEN

1. Press the ON SCREEN button during playback.
   The on-screen display appears.

UP

LEFT   RIGHT

DOWN

2. Move 👆 to "PICTURE" using △/▽ .

   | ◀ 1 ▶ ANGLE |
   | ◀ 2 ▶ AUDIO |
   | ◀ 3 ▶ SUBTITLE |
   | ◀ A ▶ PICTURE |
   | REPEAT |
   | A-B REPEAT |
   | TIME SEARCH |
   | CHAP. SEARCH |
   | TITLE MENU |
   | EXIT |

   B——————E | T. 03 CHAP. 033
            | TIME 2:34:58
   MESSAGE
   SELECT ◀ ▶ KEY

UP

LEFT   RIGHT

DOWN
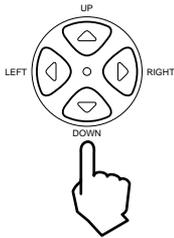
3. Select A or B using ◁/▷ .

   A: sharp
   B: soft
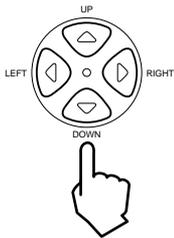
   When a DVD disc is inserted, the default setting is "A".

Audio CD Operations

This chapter explains all the functions of the XV-1000BK for playing back audio CDs. Read "Basic Operations" on pages 19 and 20 before reading this chapter.

Playing back a track

■ Using ⏮ / ⏭ buttons during playback

Pressing ⏭ causes the XV-1000BK to jump to the next track and start playback. Therefore, press ⏭ as many times as required to jump to the desired track and start playback.

Similarly, pressing ⏮ causes the XV-1000BK to jump to the beginning of the current track and start playback. By pressing it again, the XV-1000BK jumps to the previous track and starts playback.

■ Using numeric keys

You can also use the numeric keys on the remote control unit to select a track number. The XV-1000BK automatically starts playback from the selected track regardless of the player's mode.

See page 16 for details about how to use the numeric keys.

Resuming playback

The XV-1000BK can memorize a position on a disc you specify and resume playback from that position later.

■ Memorizing a position

1. Press RESUME during playback to memorize the current playback position. When memorized, the RESUME indicator on the front panel lights.

   * Switching the power to STANDBY during playback current memory. The STANDBY memory settings then become valid.

   To clear the memory:
   Take out the disc from the disc tray.

   * The memory is not cleared by switching the power to STANDBY.
   * The last memory overrides the previous memory.

### ■ Resuming playback

1. Press the RESUME button when the power is in the standby mode.

   The player will locate the memory position and start playback.

Playing back in a desired order

ON SCREEN
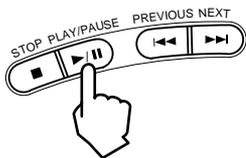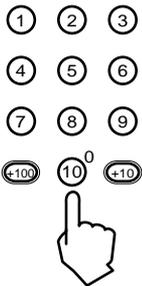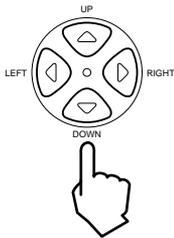
You can listen to the tracks on a CD in the order you want.

1. Press ON SCREEN while the disc is stopped.
   The on-screen display appears.

UP

LEFT · RIGHT

DOWN

2. Move 🖑 to "PROGRAM" using △/▽ and press ENTER/SELECT.

Video CD／CD

TRACK 1   TIME 3:23   EACH REMAIN

PRESS NUMERIC KEY

1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16

1	2	3	4	5		TIME SELECT
6	7	8	9	0		PROGRAM
10	+10	CLEAR	■	►/ll		TIME SEARCH

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT
RANDOM
INTRO

3. Select the tracks in the desired order using the numeric keys.

   * See page 16 for details about how to use the numeric keys. The entered numbers are displayed on the screen.
   * Up to 16 tracks can be programmed. You may select the same track more than once.

   If you make a mistake:

   Move 🖑 to CLEAR in the display using △/▽/▷/◁ and press ENTER/SELECT. The last programmed track is deleted.

STOP PLAY/PAUSE PREVIOUS NEXT

4. Press ►/ll to start the program playback.

   * When all of the programmed tracks have finished playback, the XV-1000BK stops but the program remains.

   To quit the program mode:

   Move 🖑 to PROGRAM in the display using △/▽/▷/◁ and press ENTER/SELECT. The color of the PROGRAM button returns to its original color.

Repeating all tracks

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move ✋ to "REPEAT" using △/▽ .

VideoCD／CD

TRACK 1 TIME 0:23 EACH

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT

1 2 3 4 5 RANDOM
6 7 8 9 0 INTRO
10 +10 CLEAR ■ ▶/∥

ENTER/SELECT

3. Press ENTER/SELECT once.
   "REPEAT ALL" is displayed and all tracks are played back repeatedly.

   To quit All-track Repeat:

   Move ✋ to "REPEAT" in the on-screen display and press ENTER/SELECT
   twice. The REPEAT button returns to its original color.

Repeating a single track

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move ✋ to "REPEAT" using △/▽ .

VideoCD／CD

TRACK 1 TIME 0:23 EACH

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT

1 2 3 4 5 RANDOM
6 7 8 9 0 INTRO
10 +10 CLEAR ■ ▶/∥

ENTER/SELECT

3. Press ENTER/SELECT twice.
   "REPEAT1" is displayed and the current track is played back repeatedly.

   To quit Single Repeat:

   Move ✋ to "REPEAT" in the on-screen display and press ENTER/SELECT.
   The REPEAT button returns to its original color.

Repeating a part

You can repeat a part in the current track.

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move 🖐 to "A-B REPEAT" using △/▽ .

VideoCD／CD
TRACK 1 TIME 0:23 EACH
TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT
1 2 3 4 5   RANDOM
6 7 8 9 0   INTRO
10 +10 CLEAR ■ ▶/II

ENTER/SELECT

3. At the beginning of the desired part (point A), press ENTER/SELECT.

ENTER/SELECT

4. At the end of the desired part (point B), press ENTER/SELECT.
   The XV-1000BK locates "A" and starts playback between "A" and "B" repeatedly.

   To quit A-B Repeat:

   Move 🖐 to "A-B REPEAT" in the on-screen display and press ENTER/
   SELECT. The A-B REPEAT button returns to its original color.

Starting playback from a specified time

You can specify the elapsed time from the beginning of the disc of which to start
playback.
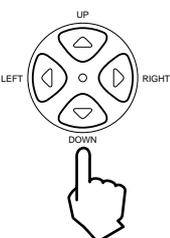
ON SCREEN

1. Press ON SCREEN.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move 🖐 to the "TIME SEARCH" using △/▽ .

VideoCD／CD
TRACK 12 TIME 45:25 TOTAL
TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT
1 2 3 4 5   RANDOM
6 7 8 9 0   INTRO
10 +10 CLEAR ■ ▶/II

ENTER/SELECT

3. Press ENTER/SELECT.

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
(+100) (10) ⁰ (+10)
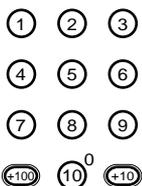
4. Enter a desired time using the numeric keys on the remote control unit.
   See page 16 for details about how to use the numeric keys.

ENTER/SELECT

5. Move ✋ to "TIME SEARCH" using △/▽ and press ENTER/SELECT.
   The XV-1000BK starts playback from the specified time.

   If the specified time does not exist, the entered number disappears so that you can reenter the time.

   To quit this function
   Move ✋ to "TIME SEARCH" in the on-screen display and press ENTER/SELECT.

Playing back only the beginning of each track

You can check the first 10 seconds of each track on a disc.

ON SCREEN

1. Press ON SCREEN during stop.
   The on-screen display appears.

UP
LEFT ◁ ○ ▷ RIGHT
DOWN

2. Move ✋ to "INTRO" using △/▽ .

VideoCD / CD
TRACK 12   TIME 45:25   TOTAL
    MIN   SEC

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT

1	2	3	4	5	RANDOM
6	7	8	9	0	INTRO
10	+10	CLEAR	■	▶/II

ENTER/SELECT

3. Press ENTER/SELECT.
   The first 10 seconds of each track on a disc are played back from the first track in numerical order. When all the tracks are played, Intro playback stops.

Playing back tracks in random order

The XV-1000BK can play tracks in random order.

ON SCREEN

1. Press ON SCREEN while the disc is stopped.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move to "RANDOM" using △/▽ .

VideoCD/CD
TRACK 12   TIME 45:25 TOTAL

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT

1 2 3 4 5   RANDOM
6 7 8 9 0   INTRO
10 +10 CLEAR ■ ▶/∥

ENTER/SELECT

3. Press ENTER/SELECT.
   The Random play begins.
   When all tracks have been played once, the Random play quits.

   * The same track will not be played multiple times during the Random play.

Selecting the displayed time mode

You can choose the time mode in the display on the front panel and in the on-screen display.

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move to "TIME SELECT" using △/▽ .

VideoCD/CD
TRACK 1   TIME 0:25 EACH

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT

1 2 3 4 5   RANDOM
6 7 8 9 0   INTRO
10 +10 CLEAR ■ ▶/∥
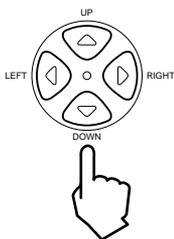
Audio CD Operations

ENTER/SELECT

3. Each time you press ENTER/SELECT, the time mode changes in the following order.

EACH
(Elapsed time of the track being played back)

→ EACH REMAIN
(Remaining time of the track being played back)

↓

TOTAL REMAIN
(Total remaining time of the disc)

← TOTAL
(Total elapsed time of the disc)

↑
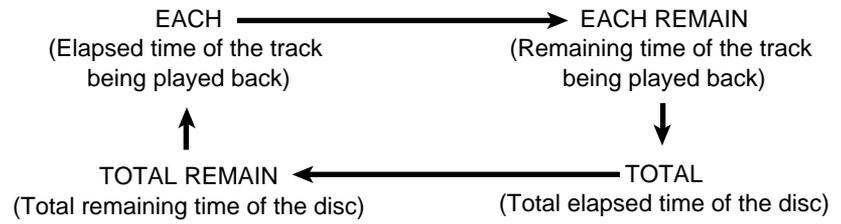
* While the disc is stopped, the total disc time is displayed when "TOTAL REMAIN" is selected.

Video CD Operations

This chapter explains all the functions of the XV-1000BK for playing back video CDs. Read "Basic Operations" on pages 19 and 20 before reading this chapter.

Playing back a track

■ Using ⏮ / ⏭ buttons during playback

Pressing ⏭ causes the XV-1000BK to jump to the next track and start playback. Therefore, press ⏭ as many times as required to jump to the desired track and start playback.

Similarly, pressing ⏮ causes the XV-1000BK to jump to the beginning of the current track and start playback. By pressing it again, the XV-1000BK jumps to the previous track and starts playback.

* Note that this operation is disabled during playback with PBC.
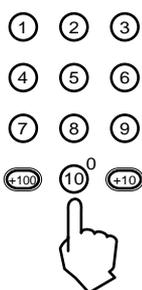
■ Using numeric keys

You can also use the numeric keys on the remote control unit to select a track number. The XV-1000BK automatically starts playback from the selected track regardless of the player's mode.

See page 16 for details about how to use the numeric keys.

* Note that this operation is disabled during playback with PBC.

Advancing a picture frame-by-frame

You can advance a still picture frame-by-frame.

1. Press STEP during playback.
   The XV-1000BK pauses.
   Each time you press STEP, the picture advances one frame.

   Pressing ▶/❙❙ returns the XV-1000BK to normal playback.

   * The audio is muted during frame-by-frame playback.
   * You cannot backward a picture frame-by-frame.

Playing in slow-motion

You can playback a disc in slow-motion.

1. Press SLOW during playback.
   The playback speed slows down to half the normal speed.

   Thereafter, each press of SLOW slows the speed down to 1/3, 1/4, 1/8, 1/16 and 1/32 of the normal speed.

   Pressing ▶/❙❙ returns the XV-1000BK to normal playback.

   * Audio is muted during slow-motion playback.
   * When the picture is being played back of 1/32 of the normal speed (which is the slowest) after pressing SLOW six times, the SLOW button is not effective.
   * Pressing STEP in slow-motion mode freezes the motion.

Resuming playback

The XV-1000BK can memorize a position on a disc you specify and resume playback from that position later.

■ Memorizing a position

RESUME

1. Press RESUME during playback to memorize the current playback position.
   When memorized, the RESUME indicator on the front panel lights.

   * Switching the power to STANDBY during playback clears the current memory.
     The STANDBY memory settings then become valid.

   To clear the memory:
   Take out the disc from the disc tray.

   * The memory is not cleared by switching the power to STANDBY.
   * The last memory overrides the previous memory.

■ Resuming playback

RESUME

1. Press the RESUME button when the power is in the standby mode.

   The player will locate the memory position and start playback.

   * The XV-1000BK may resume playback from slightly before the memorized position if you operate when "PBC" is indicated in the front panel display.

# Playing back in a desired order

You can enjoy the tracks on a video CD in the order you want.

ON SCREEN

1. Press ON SCREEN while the disc is stopped.
   The on-screen display appears.

UP
LEFT   RIGHT
DOWN

2. Move 🖑 to "PROGRAM" using △/▽ and press ENTER/SELECT.

3. Select the tracks in the desired order using the numeric keys.

   * See page 16 for details about how to use the numeric keys. The entered numbers are displayed on the screen.
   * Up to 16 tracks can be programmed. You may select the same track more than once.

   If you make a mistake:
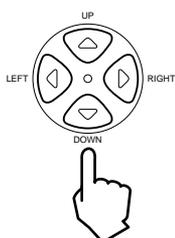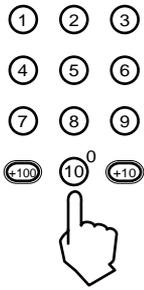
   Move to CLEAR in the display using △/▽/▷/◁ and press ENTER/SELECT. The last programmed track is deleted.
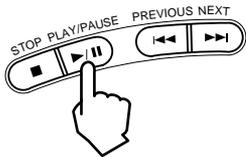
4. Press ►/❙❙ to start the program playback.

   * When all of the programmed tracks have finished playback, the XV-1000BK stops but the program remains.

   To quit the program mode:

   Press ■. Move to PROGRAM in the display using △/▽/▷/◁ and press ENTER/ SELECT.

Repeating all tracks

1. Press ON SCREEN during playback.
   The on-screen display appears.

2. Move to "REPEAT" using △/▽ .

   Video CD
   CONTROL
   ◀ LR ▶ AUDIO
   ◀ B ▶ PICTURE
   REPEAT
   A-B REPEAT
   TIME SEARCH
   PBC CALL
   EXIT

   B   E T. 03 TIME 34:58
   MESSAGE
   PRESS ENTER ➝ EXECUTE

3. Press ENTER/SELECT once.
   "REPEAT ALL" is displayed and all tracks are played back repeatedly.

   **To quit All-track Repeat:**

   Move to "REPEAT" in the on-screen display and press ENTER/SELECT twice. The REPEAT button returns to its original color.

   You cannot use this function during playback with PBC.
   To enable this function, press ■ and start playback by specifying a track number using the numeric keys.

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Repeating a single track

ON SCREEN

1. Press ON SCREEN during playback,.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move to "REPEAT" using △/▽ .

Video CD
CONTROL
◀ LR ▶ AUDIO
◀ B ▶ PICTURE
REPEAT
A-B REPEAT
TIME SEARCH
PBC CALL
EXIT

B   E T.03 TIME 34:58
MESSAGE
PRESS ENTER ⟶ EXECUTE

ENTER/SELECT

3. Press ENTER/SELECT twice.
   "REPEAT1" is displayed and the current track is played back repeatedly.

   To quit Single Repeat:

   Move to "REPEAT" in the on-screen display and press ENTER/SELECT.
   The REPEAT button returns to its original color.

   You cannot use this function during playback with PBC.
   To enable this function, press ■ and start playback by specifying a track
   number using the numeric keys.

Repeating a part

You can repeat a part in the current track.

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move to "A-B REPEAT" using △/▽ .

Video CD
CONTROL
◀ LR ▶ AUDIO
◀ B ▶ PICTURE
REPEAT
A-B REPEAT
TIME SEARCH
PBC CALL
EXIT

B   E T.03 TIME 34:58
MESSAGE
PRESS ENTER ⟶ EXECUTE

ENTER/SELECT

3. At the beginning of the desired part (point A), press ENTER/SELECT.

ENTER/SELECT

4. At the end of the desired part (point B), press ENTER/SELECT.
   The XV-1000BK locates "A" and starts playback between "A" and "B" repeatedly.

   To quit A-B Repeat:

   Move ☜ to "A-B REPEAT" in the on-screen display and press ENTER/SELECT. The A-B REPEAT button returns to its original color.

Starting playback from a specified time

You can specify the elapsed time from the beginning of the disc at which to start playback.
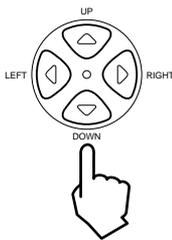
ON SCREEN

1. Press ON SCREEN.
   The on-screen display appears.

UP
LEFT ○ RIGHT
DOWN

2. Move ☜ to the "TIME SEARCH" using △/▽.
   The message box indicates "GO TO : : ".

   Video CD
   CONTROL
   ◄ LR ► AUDIO
   ◄ B ► PICTURE
   REPEAT
   A-B REPEAT
   TIME SEARCH
   PBC CALL
   EXIT
   B E T.03 TIME 34:58
   MESSAGE
   GO TO : : → ENTER

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
+100 ⑩ +10
0
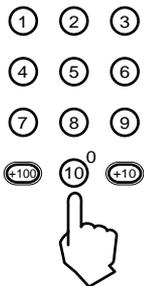
3. Enter a desired time using the numeric keys on the remote control unit.
   See page 16 for details about how to use the numeric keys.

ENTER/SELECT

4. Press ENTER/SELECT.
   The XV-1000BK starts playback from the specified time.

   To use this function during stop
   This function can be used during stop. See "Starting playback from a specified time" on page 33.

**When "PBC" is indicated in the front panel display:**
You cannot use this function during playback with PBC.
To enable this function, press ■ and start playback by specifying a track number using the numeric buttons.

Playing back only the beginning of each track

You can check the first 10 seconds of each track on a disc.

ON SCREEN

1. Press ON SCREEN during stop.
   The on-screen display appears.

2. Move 👆 to "INTRO" using △/▽ .

VideoCD／CD
TRACK 12   TIME 45:25 MIN SEC TOTAL

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT

| 1 | 2 | 3 | 4 | 5 | RANDOM |
| 6 | 7 | 8 | 9 | 0 | INTRO |
| 10 | +10 | CLEAR | ■ | ▶/‖ | |

ENTER/SELECT

3. Press ENTER/SELECT.
   The first 10 seconds of each track on a disc are played back from the first track in numerical order. When all the tracks are played, Intro playback stops.

Playing back tracks in random order

The XV-1000BK can play tracks in random order.

ON SCREEN
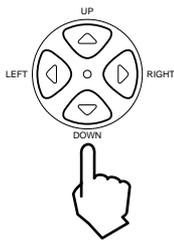
1. Press ON SCREEN while the disc is stopped.
   The on-screen display appears.

2. Move 👆 to "RANDOM" using △/▽ .

VideoCD／CD
TRACK 12   TIME 45:25 MIN SEC TOTAL

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT

1	2	3	4	5	RANDOM
6	7	8	9	0	INTRO
10	+10	CLEAR	■	▶/‖	
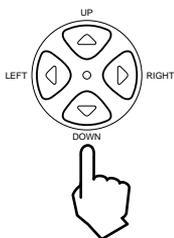
ENTER/SELECT

3. Press ENTER/SELECT.
   The Random play begins.
   When all tracks have been played once, the Random play quits.

   * The same track will not be played multiple times during the Random play.

Selecting audio channels

In some karaoke discs, one of the audio channels includes vocal while the other does not. With such discs, you can choose to enjoy karaoke without vocal or with vocal by selecting the audio channel to be played back.

ON SCREEN

1. Press ON SCREEN during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN

2. Move 🖑 to AUDIO using △/▽ .

Video CD
CONTROL
◀ LR ▶ AUDIO
◀ B ▶ PICTURE
REPEAT
A-B REPEAT
TIME SEARCH
PBC CALL
EXIT

B▬▬E T.03 TIME 34:58
MESSAGE
SELECT ◀ ▶ KEY

UP
LEFT RIGHT
DOWN
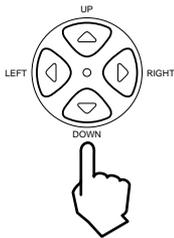
3. Select the audio to be played back using ◁/▷ .
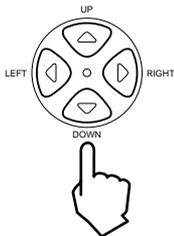
Selecting picture character

You can select from two picture characters; soft or sharp.

ON SCREEN

1. Press the ON SCREEN button during playback.
   The on-screen display appears.

UP
LEFT RIGHT
DOWN
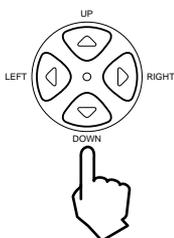
2. Move 🖑 to "PICTURE" using △/▽ .

Video CD
CONTROL
◀ LR ▶ AUDIO
◀ B ▶ PICTURE
REPEAT
A-B REPEAT
TIME SEARCH
PBC CALL
EXIT

B▬▬E T.03 TIME 34:58
MESSAGE
SELECT ◀ ▶ KEY
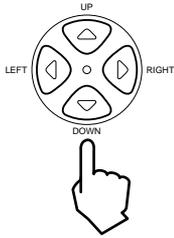
3. Select A or B using ◁/▷ .

    A: sharp
    B: soft

    When a video CD is inserted, the default setting is "B".

Checking total disc time

You can see the total disc time in the on-screen display and the front panel display while the disc is stopped.

ON SCREEN

1. Press ON SCREEN while the disc is stopped.
   The on-screen display appears.

2. Move 🖑 to "TIME SELECT" using △/▽ .

VideoCD／CD
TRACK 1 TIME 25:25 EACH

TIME SELECT
PROGRAM
TIME SEARCH
REPEAT
A-B REPEAT
RANDOM
INTRO

1 2 3 4 5
6 7 8 9 0
10 +10 CLEAR ■ ▶/Ⅱ
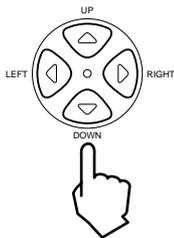
ENTER/SELECT

3. Press ENTER/SELECT until "TOTAL REMAIN" is selected as the display time mode.

   * During playback, the elapsed time of the current track is displayed regardless of the setting above.

Accessing the PBC function

When the XV-1000BK is playing back a video CD without using the PBC (Playback Control) function (such cases include playback of the track specified with the numeric keys), you can go into the PBC mode by two methods.

Method 1:

1. Press ■.

2. Press ▶/Ⅱ.
   The XV-1000BK starts the PBC function.
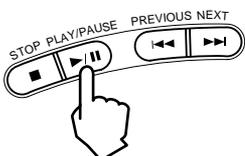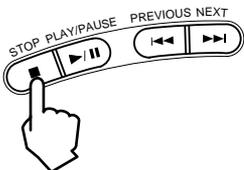
Method 2:

ON SCREEN

1. Press ON SCREEN during playback.
    The on-screen display appears.

UP
LEFT   RIGHT
DOWN

2. Move 👆 to "PBC CALL" using △/▽ .

Video CD CONTROL
◀ LR ▶ AUDIO
◀ B ▶ PICTURE
REPEAT
A-B REPEAT
TIME SEARCH
PBC CALL
EXIT

B▬▬▬E T.03 TIME 34:58
MESSAGE
PRESS ENTER ⟶ EXECUTE
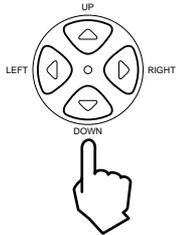
ENTER/SELECT

3. Press ENTER/SELECT.
    The XV-1000BK starts the PBC function.

    If ⊗ appears:
    The disc does not support PBC.

Selecting Preferences

You can set various preferences mainly related with DVD playback via the "PREFERENCE" and "PARENTAL LOCK" on-screen displays.

Preferences via "PREFERENCE" on-screen display

■ How to set up

1. Take out the disc from the disc tray.
   You do not have to take out the disc if it is a DVD disc, but press ■ to make it stop.
   Close the disc tray before setting up.

ON SCREEN

2. Press ON SCREEN.
   The "PREFERENCE" on-screen display appears on the television screen.

```
PREFERENCE
                            NEXT PAGE
MENU LANGUAGE         ◄  ENGLISH  ►
AUDIO LANGUAGE        ◄  ENGLISH  ►
SUBTITLE             ◄  JAPANESE ►
ON SCREEN GUIDE      ◄   ON      ►
                        EXIT

MESSAGE
PRESS ENTER ⟶ EXIT
```

* The "PREFERENCE" consists of two pages.

```
PREFERENCE
                            PREV. PAGE
MONITOR TYPE         ◄  4:3 LB   ►
DIGITAL AUDIO OUTPUT ◄  PCM/AC-3 ►
AV COMPULINK MODE    ◄  DVD1     ►

                        EXIT
MESSAGE
PRESS ENTER ⟶ EXECUTE
```
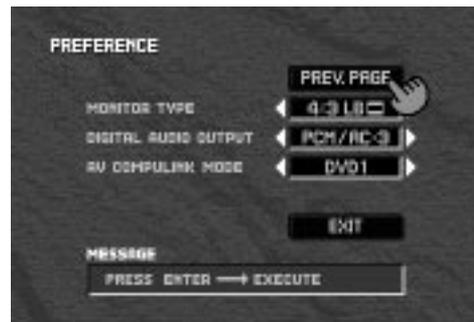
To turn the page of the on-screen display:

Move 👆 to "NEXT PAGE" or "PREV PAGE" using △/▽ and press ENTER/SELECT.

3. Move 👆 to the item to be set using △/▽ .

UP
LEFT RIGHT
DOWN
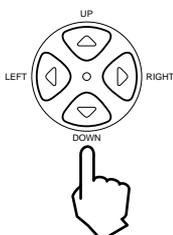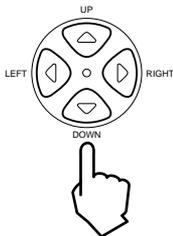
4. Select the setting you prefer using ◁/▷ .

To turn off the on-screen display:
Press ON SCREEN.

UP
LEFT RIGHT
DOWN

■ Items

The following preferences can be set.

MENU LANGUAGE

You can select the default "DVD menu" language to be displayed if the disc contains it.

Each time you press ▷, the setting language changes as follows.

ENGLISH ➜ SPANISH ➜ FRENCH ➜ CHINESE ➜ GERMAN ➜ ITALIAN ➜ JAPANESE ➜ language code from AA to ZU (see the appendix "Language Code Chart")

Pressing ◁ changes the setting language in the reverse order of the above.

* If the selected language is not played, the disc's default menu language is displayed.

AUDIO LANGUAGE

Up to eight audio languages can be recorded in a DVD disc. You can select the default audio language to be played if the disc contains it.

Each time you press ▷, the setting language changes as follows.

ENGLISH ➜ SPANISH ➜ FRENCH ➜ CHINESE ➜ GERMAN ➜ ITALIAN ➜ JAPANESE ➜ language code from AA to ZU (see the appendix "Language Code Chart")

Pressing ◁ changes the setting language in the reverse order of the above.

* If the selected language is not recorded, the disc's default audio language is reproduced.

SUBTITLE

Up to 32 subtitle languages can be recorded in a DVD disc. You can select the default subtitle language to be displayed if the disc contains it.

Each time you press ▷, the setting language changes as follows.

ENGLISH ➜ SPANISH ➜ FRENCH ➜ CHINESE ➜ GERMAN ➜ ITALIAN ➜ JAPANESE ➜ language code from AA to ZU (see the appendix "Language Code Chart")

Pressing ◁ changes the setting language in the reverse order of the above.

* If the selected language is not recorded, the disc's default subtitle language is displayed.

ON SCREEN GUIDE

The XV-1000BK can display "on screen guide" icons or characters on the picture, which show what is happening to the disc or the XV-1000BK.
You can turn the guide display on or off.

MONITOR TYPE

You can select a monitor type when you playback DVD discs recorded for wide screen televisions.

If your television has a normal (4:3) screen, select "4:3 PS ☐" (cuts both sides of the "wide" picture) or "4:3 LB ▭" (with masking bars to maintain the "wide" aspect ratio).

[on DVD disc]

converted and output

[4:3 (normal) television screen]

letter box conversion

squeezed recording   [16:9 wide television screen]

pan scan conversion
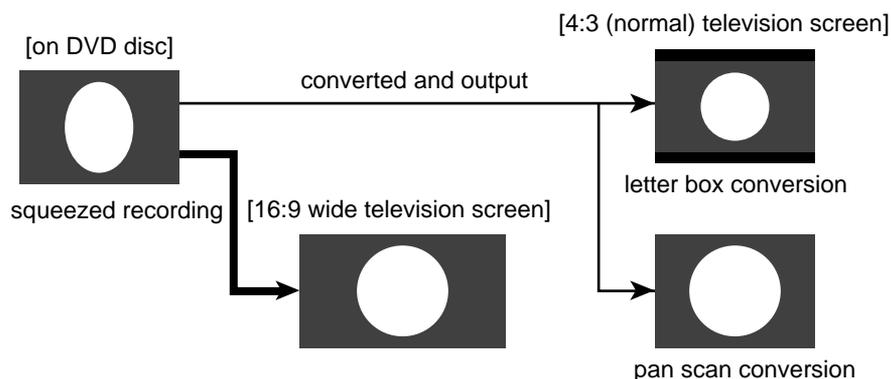
If your television has a wide (16:9) screen, you have to select "16:9 WIDE".

DIGITAL AUDIO OUTPUT

To connect the XV-1000BK digital output with an external amplifier or receiver equipped with an optical digital input, this item must be set correctly.

PCM ONLY: to connect to an optical input of an audio equipment.
PCM/AC-3:   to connect to a Dolby AC-3 optical digital input of a Dolby Digital AC-3 decoder.

The following chart shows the relationship between kinds of playback discs and output signals.

Playback discs	Output (PCM/AC-3 mode)	Output (PCM ONLY mode)
DVD with 48-kHz, 16-bit linear PCM	48-kHz, 16-bit linear PCM	←
DVD with 48-kHz, 20/24-bit linear PCM	48-kHz, 20-bit linear PCM	←
DVD with 96-kHz, linear PCM	no output	←
DVD with Dolby AC-3	AC-3 bitstream	48-kHz, 16-bit linear PCM
DVD with MPEG audio	48-kHz, 16-bit linear PCM	←
CD	44.1-kHz, 16-bit linear PCM	←
Video CD	44.1-kHz, 16-bit linear PCM	←

AV COMPULINK MODE

If you use the AV Compulink system, you must set this item correctly.
Select from the three options: DVD1, DVD2 and DVD3 according to the equipment to be connected.
See "AV Compulink system" on pages 54 and 55.

Setting Parental Lock

The Parental Lock is one of the special features of DVD. It restricts playback of DVD discs which contains violent (and other) scenes according to the level set by the user. For example, by setting the Parental level strictly, when a movie which includes violent scenes is played back , the scenes are cut or replayed with other scenes in order not to be seen by children.

With the XV-1000BK, you can set or modify its level and password via the Parental Lock on-screen display.

Setting for the first time

1. While holding down ■, press ENTER/SELECT on the remote control unit.
   The Parental Lock on-screen display appears.
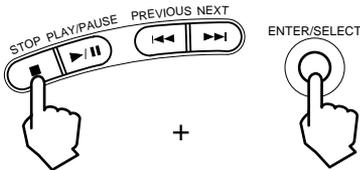
2. Select the parental level using ◁/▷ .
   You can select the level from among NONE, NC17, R, RG13, PG, and G.
   You cannot playback DVD discs rated higher than the selected level.
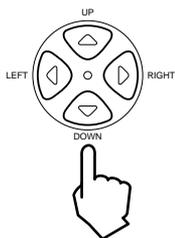
   NONE means no restriction. NC17 is the strictest.

3. Press ENTER/SELECT.

4. Enter your 4-digit password using the numeric keys.
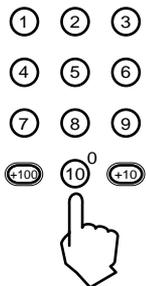
5. Press ENTER/SELECT.

   The parental level and your password are set.

Changing the settings

1. While holding down ■, press ENTER/SELELCT on the remote control unit.
    The Parental Lock on-screen display appears.

```
┌─────────────────────────────────────┐
│ 🔒        PARENTAL  LOCK             │
│                                     │
│   SET  LEVEL  ◀      0      ▶        │
│                                     │
│              EXIT                   │
│                                     │
│   PASSWORD    _ _ _ _               │
│                                     │
│   MESSAGE                           │
│   CURRENT PASSWORD ?··· PRESS 0~9 KEY│
└─────────────────────────────────────┘
```

2. Enter your 4-digit password using the numeric keys and press ENTER/SELECT.
    If you enter a wrong password, the following message appears in the
    message box.
    "WRONG! RETRY......."

    If you forget your password:
    Enter "8888".

    After entering the correct password, proceed to the following steps.
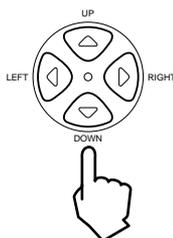
3. Select the parental level using ◁/▷ .

4. Press ENTER/SELECT.
    The level is changed.
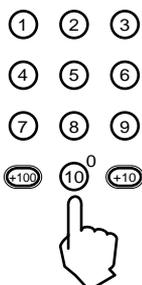
5. Enter a new password using numeric keys.

6. Press ENTER/SELECT.
    The new setting is effective.

Temporary release of the Parental lock

When the parental level is set strictly, some discs may not be played back at all.
When you insert such a disc and try to play it, the XV-1000BK will ask you whether
you want the parental lock to be released temporarily or not.

If you select "YES", then enter your password, the disc will start playback.

If you enter a wrong password, the following message appears.
"WRONG! RETRY......."

If you select "NO", the parental lock on-screen display disappears.

Other Information

Care and handling of discs

How to handle discs
When handling a disc, do not touch the surface of the disc (reflective silver side — the side without the label).
Since discs are made of plastic, they are easily damaged. If a disc gets dirty, dusty, scratched or warped, the images and sound will not be picked up correctly, and such a disc may cause the player to malfunction.
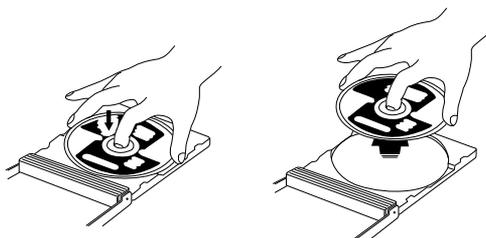
Even on label side
Do not damage the label side, stick paper to or use any adhesive on its surface.

Storage
Make sure that discs are kept in their cases. If discs are piled on top of one another without their protective cases, they can be damaged. Do not put discs in a location where they may be exposed to direct sunlight, or in a place where the humidity or temperature is high. Avoid leaving discs in your car!

Maintenance of discs
If there are fingerprints or other dirt adhering to a disc, wipe with a soft dry cloth, moving from the center outwards.
If a disc is difficult to clean, wipe with a cloth moistened with water. Never use record cleaners, petrol, alcohol or any anti-static agents.
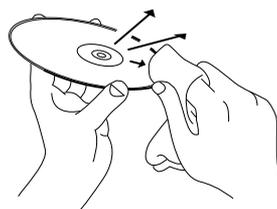
CAUTION

Sometimes during play noise or images may be garbled. This is sometimes due to the disc. (It may not be up to industry standards.)
These symptoms are caused by the discs, not by the malfunction of the player.

Table of languages and their abbreviations

|							
AA	Afar	IK	Inupiak	RN	Kirundi
AB	Abkhazian	IN	Indonesian	RO	Rumanian
AF	Afrikaans	IS	Icelandic	RU	Russian
AM	Amharic	IW	Hebrew	RW	Kinyarwanda
AR	Arabic	JI	Yiddish	SA	Sanskrit
AS	Assamese	JW	Javanese	SD	Sindhi
AY	Aymara	KA	Georgian	SG	Sango
AZ	Azerbaijani	KK	Kazakh	SH	Serbo-Croatian
BA	Bashkir	KL	Greenlandic	SI	Singhalese
BE	Byelorussian	KM	Cambodian	SK	Slovak
BG	Bulgarian	KN	Kannada	SL	Slovenian
BH	Bihari	KO	Korean (KOR)	SM	Samoan
BI	Bislama	KS	Kashmiri	SN	Shona
BN	Bengali, Bangla	KU	Kurdish	SO	Somali
BO	Tibetan	KY	Kirghiz	SQ	Albanian
BR	Breton	LA	Latin	SR	Serbian
CA	Catalan	LN	Lingala	SS	Siswati
CO	Corsican	LO	Laotian	ST	Sesotho
CS	Czech	LT	Lithuanian	SU	Sundanese
CY	Welsh	LV	Lativian, Lettish	SV	Swedish
DA	Danish	MG	Malagasy	SW	Swahili
DZ	Bhutani	MI	Maori	TA	Tamil
EL	Greek	MK	Macedonian	TE	Telugu
EO	Esperanto	ML	Malayalam	TG	Tajik
ET	Estonian	MN	Mongolian	TH	Thai
EU	Basque	MO	Moldavian	TI	Tigrinya
FA	Persian	MR	Marathi	TK	Turkmen
FI	Finnish	MS	Malay (MAY)	TL	Tagalog
FJ	Fiji	MT	Maltese	TN	Setswana
FO	Faroese	MY	Burmese	TO	Tongan
FY	Frisian	NA	Nauru	TR	Turkish
GA	Irish	NE	Nepali	TS	Tsonga
GD	Scots Gaelic	NL	Dutch	TT	Tatar
GL	Galician	NO	Norwegian	TW	Twi
GN	Guarani	OC	Occitan	UK	Ukrainian
GU	Gujarati	OM	(Afan) Oromo	UR	Urdu
HA	Hausa	OR	Oriya	UZ	Uzbek
HI	Hindi	PA	Panjabi	VI	Vietnamese
HR	Croatian	PL	Polish	VO	Volapuk
HU	Hungarian	PS	Pashto, Pushto	WO	Wolof
HY	Armenian	PT	Portuguese	XH	Xhosa
IA	Interlingua	QU	Quechua	YO	Yoruba
IE	Interlinque	RM	Rhaeto-Romance	ZU	Zulu

AV COMPULINK remote control system

When you buy a separate TV, VCR DVD player, receiver or other components and connect them to each other, you have to operate each component individually. JVC's AV COMPULINK remote control system meets the demand for a system made up of single components and has the ease of operation of a single unit.

■ Operation

You can enjoy pictures and/or sound by just putting a source component (which plays back the pictures and/or sound such as a DVD player or VCR) into play mode. You do not have to operate the TV and receiver including power switching.

1. Turn on the main power of the television.

2. Insert a disc into the source component.

3. Press ►/❚❚ of the source component.
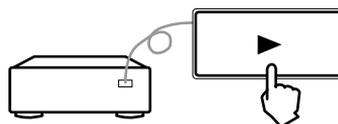
The following actions are performed automatically:
• Turning on the power of the television.
• Setting the source of the television to the external input (VIDEO 1 or VIDEO 2).
• Turning on the power of the receiver.
• Setting the source of the receiver to the component which has just started playback.

■ Connection and Setup

Using the AV COMPULINK cable, connect the AV COMPULINK terminals of each component to one another.


If you connect a DVD player with a television via AV COMPULINK, set the DVD player's AV COMPULINK setting as follows.

• When connecting with VIDEO 1 input terminal of the television: DVD2
• When connecting with VIDEO 2 input terminal of the television: DVD3

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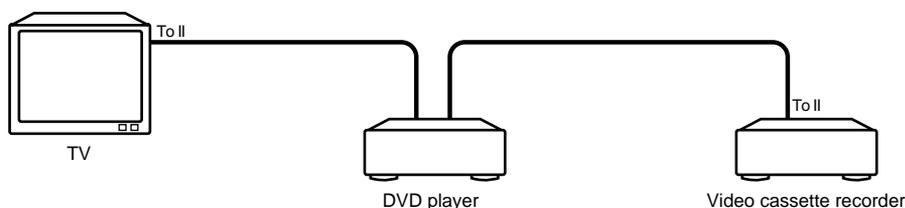
If you connect a DVD player with a television and VCR via AV COMPULINK, set the VCR's Remote Control Code and DVD player's AV COMPULINK setting as follows.

• When connecting with VIDEO 1 input terminal of the television:
  DVD player's AV COMPULINK setting: DVD2
  VCR's Remote Control Code: B
• When connecting with VIDEO 2 input terminal of the television:
  DVD player's AV COMPULINK setting: DVD3
  VCR's Remote Control Code: A

To Audio

To TV

TV   Receiver   DVD player
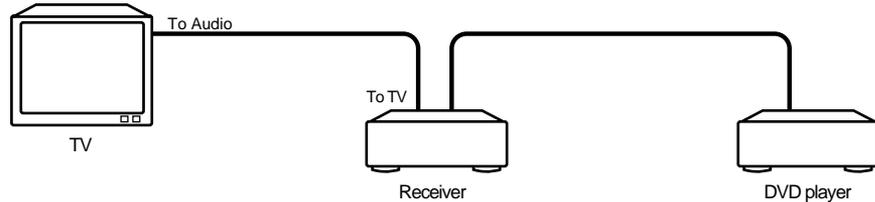
If you connect a DVD player with a television and receiver via AV COMPULINK, set the DVD player's AV COMPULINK setting to DVD1.

The DVD player's AV COMPULINK setting is operated in the "PEFERENCE" on-screen display. See "Preferences via "PEFERENCE" on-screen display" on pages 46, 47 and 48 for operation.

Notes for connection
• If you connect a DVD player with a receiver via AV COMPULINK in a system including a Dolby digital (AC-3) decoder, some functions may not be done automatically.
• The AV COMPULINK terminal on some televisions indicates "II". Do not connect the terminal indicating "II" with the AV COMPULINK terminal on a receiver. If connected, the system will not work correctly.
• Connect the AUDIO OUT jacks of the DVD player to the audio input jacks of a receiver indicating "DVD". Otherwise, the system will not work correctly.

There is no description about connections to a DVD player in the instruction manual of a television or VCR. But a television or VCR with AV COMPULINK terminals indicating II can be connected to a DVD player.

Troubleshooting

What appears to be a malfunction may not always be serious. Please go through the following list before requesting service.

Symptom	Possible cause	Remedy
Power does not come on.	Power plug is not inserted securely.	Plug in securely.
Remote control does not work.	Too far from the XV-1000BK.	Come closer to the XV-1000BK.
	The tip of the remote unit is not pointed in the right direction.	Point the infrared light-emittingwindow toward the remote sensor on the front panel.
	Batteries are exhausted.	Replace the batteries with new ones.
	Battery polarity is incorrect.	Take out the batteries and insert them again in the correct direction.
No picture is displayed on the monitor.	Connection of video cable is incorrect.	Connect the cable correctly (see pages 9 and 10).
	Input selection of TV is incorrect.	Select correctly.
	Disc is not playable.	(See pages 15.)
No audio is reproduced.	Connection to stereo system is incorrect.	Check connections (see Page 9 to 12).
	Input selection of amplifier is incorrect.	Select correctly.
No sound from headphones.	PHONES LEVEL is too low.	Adjust the PHONE LEVEL.
Sound is distorted or noise is generated. Picture is garbled.	Disc is dirty.	Wipe the disc surface (see page 52).
	XV-1000BK is connected to a VCR.	Connect XV-1000BK with the TV directly.
Picture does not fit with the television screen.	MONITOR TYPE is not correctly set.	See "MONITOR TYPE" on page 48.
	Television is not correctly set.	Set the television correctly.
Operation is not possible.	Microcomputer malfunctions due to lightning or static electricity.	Turn off the power, then connect the power cord again.
	Moisture condensation occurs by sudden change of temperature or humidity.	Turn off the power, then turn it on a few hours later.

There may be causes other than the XV-1000BK. Check the other devices connected to the XV-1000BK.

Specifications

General
Readable discs:	DVD video, CD, Video CD
Video format:	NTSC color

Other
Power requirements:	AC 120V $\sim$, 60Hz
Power consumption:	25 W (POWER ON), 6 W (STANDBY mode)
Mass:	4.7 kg (10.37 lbs)
Dimensions (W x H x D):	435 x 112 x 327.5 mm
	17-3/16 x 4-7/16 x 12-15/16 inch

Video output
VIDEO OUT (pin jack):	1.0 Vp-p (75 ohms)
S-VIDEO OUT (S jack):	Y Output: 1.0 Vp-p (75 ohms),
	C Output: 286 mVp-p (75 ohms)

Audio output
ANALOG OUT (pin jack x 2):	2.0 Vrms (10 k ohms)
OPTICAL DIGITAL OUT:	-21 to -15 dBm (PEAK)

Audio characteristics (DVD at Fs=48 kHz)
Frequency response:	CD (sampling frequency 44.1 kHz): 2 Hz to 20 kHz
	DVD (sampling frequency 48 kHz): 2 Hz to 22 kHz
	DVD (sampling frequency 96 kHz): 2 Hz to 44 kHz
Dynamic range:	16 bit: More than 99 dB
	20 bit: More than 108 dB
	24 bit: More than 108 dB
Wow and flutter:	Unmeasurable (less than ± 0.002%)
Total harmonic distortion:	Less than 0.002%

JVC

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