# Using the Unit with Optional Accessories

#### Using the unit with a car audio system

XL-PV390SL comes with the car adaptor and car audio cassette adaptor • Car adaptor (CA-R456J or CA-R457J) Car audio cassette adaptor (CA-RC6)

#### To connect to a car audio system:

Connect the car audio cassette adaptor to the unit's headphones jack. (When doing this, keep the unit's VOLUME control at a medium setting.)

Depending on the automobile used, noise may occur, and in that case, it is recommended that a KS-U32 noise filter (optional) be

#### Note:

It may not be possible to use the unit with some types of car stereo owing to restrictions imposed by the construction of the car audio cassette adaptor

For further details, refer to the instructions of the part concerned.

# Maintenance

#### Maintaining the unit

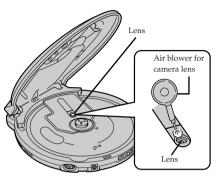
Wipe the unit with a soft cloth. Remove stubborn dirt using a cloth which has been dipped in water or soapy water and wrung out, and then wipe dr

• If you intend to use a chemically treated cleaning cloth, read its directions first

· Do not use alcohol or paint thinners.

#### Maintaining the lens

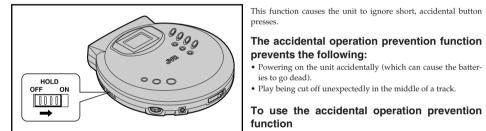
Open the lid and clean the lens as shown in the figure. Jse a cotton swab to gently wipe off any finger-prints. ommended product: Lens cleaner kit



# **Accidental Operation Prevention Function (Hold Mode)**

HOLD switch to the ON position.

ing the disc.



This function causes the unit to ignore short, accidental button "**O** When the unit is in the hold mode according to the HOLD

#### The accidental operation prevention function prevents the following

Powering on the unit accidentally (which can cause the batteries to go dead)

• To prevent the unit from unexpected operation during play

set the HOLD switch to the ON position after you starts play-

To release the function Move the HOLD switch back to OFF position. Play being cut off unexpectedly in the middle of a track.

If the HOLD switch on the unit is set to the ON position, you cannot turn on the unit. To prevent the unit from powering up accidentally, set the

switch setting in the main unit, "O→" lights up if the ►/II is

# **Specifications**

#### Por

Portable CD player		Before reque
Type Signal detection system	: Compact disc player : Non-contact optical pickup (semiconductor laser)	you are expe problem and
Pickup system	: 3 beam laser	If you are in
Number of channels:	: 2 channels (stereo)	solve the pro
Frequency response	: 20 Hz to 20 000 Hz	locate a conv
Wow & flutter	: Unmeasurable	
Output	: Headphones (3.5 mm dia. stereo × 1)	F
	9 mW/ch at 10 % THD/16 $\Omega$ matching impedance (16 $\Omega$ to 1 k $\Omega$ )	
Duration of battery (with Anti-Shock	: Approx. 3 hours when using two rechargeable batteries (BN-R1211J) charged for 10 hours,	Does not
Protection EX OFF)	Approx. 20 hours when using two alkaline batteries (LR6)	
Power requirements	: DC 3 V ("AA" size battery × 2)	Cannot c
-	DC 2.4 V (rechargeable battery × 2) DC IN 4.5 V	
Dimensions (W×H×D)	: 134 mm ×30 mm ×144 mm (5- <sup>5</sup> / <sub>16</sub> "×1- <sup>3</sup> / <sub>16</sub> "×5- <sup>11</sup> / <sub>16</sub> ") (Excluding buttons and controls)	Cannot p
Mass	: 237 g (0.53 lbs) (without batteries)	Cannot h noisy.
AC adaptor		
Input power source	: AC 120 V, 60 Hz	TV pictur
0		Radio rec

: DC 4.5 V, 600 mA Output voltage

\* Design and specifications are subject to change without notice

#### "diSC" c when a player

# Cautions

#### **Listening precautions**



Do not play your headphones or earphones at a high volume Hearing experts advise against continuous extended play.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones are an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can • Do not attempt to recharge dry cell batteries actually be loud and harmful to your hearing

Guard against this by setting your equipment at a safe level BI FORE 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.

#### **Rechargeable batteries**

- Only the BN-R1211J battery can be recharged
- . If the power delivered by the batteries lasts for a very short time after recharging, it means that the batteries' service life is over. Do not use them any more.
- Recharging already charged batteries will shorten their service

- When recharging batteries for the first time or when they have not been used for a long period of time, the play time may be shorter than usual. In a case like this, repeatedly recharge and **batteries** discharge the batteries. This will restore them to their regular
- Do not allow any metal objects to touch the terminals of rechargeable batteries since this may cause short-circuiting which is dangerous
- · Do not peel off the plastic covering on the rechargeable batteries. Short-circuiting may occur which is dangerous Special rechargeable Ni-Cd batteries: BN-R1211J (set of 2) If you experience a ringing in your ears, reduce volume or discon- **Dry cell batteries / rechargeable** For details, check with your dealer **batteries**

the following points

- Special rechargeable To prevent damage to the batteries and electrolyte leakage, heed oatteries Align the ⊕ and ⊖ polarities properly when inserting the batteries · Do not mix different types or makers of batteries or old and
- new batteries
- Remove the batteries if you do not plan to use the unit for a long period of time. Do not throw batteries into a fire, and do not short-circuit, dis
- assemble or subject them to excessive heat.

#### Carrying dry cell batteries / rechargeable batteries around

When putting dry cell or rechargeable batteries in a pocket or bag, ensure that no other metal objects such as a necklace are placed together with them. Contact with metal may cause shortcircuiting which, in turn, may cause a fire.

# **Troubleshooting Guide**

efore requesting service for this unit, check the chart below for a possible cause of the problem ou are experiencing. Some simple checks or a minor adjustment on your part may eliminate the roblem and restore proper operation

you are in doubt about some of the check points, or if the remedies indicated in the chart do not olve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to ocate a convenient service center, or consult your dealer for instructions.

Problem	Check this
Does not turn on.	<ul><li>Are the batteries charged?</li><li>Is the AC adaptor (not included) securely connected?</li><li>Is the HOLD switch set to HOLD position?</li></ul>
Cannot close cover.	Is the disc properly secured in place?
Cannot play discs.	<ul><li> Is the disc properly secured in place?</li><li> Is there moisture condensation on the lens? (Wait for about an hour and then try again.)</li></ul>
Cannot hear music—too noisy.	<ul><li> Is the headphone plug inserted all the way?</li><li> Is the plug dirty? (Wipe away dirt on the plug.)</li></ul>
TV picture is distorted. Radio reception is noisy.	Are you using the unit body too near a TV or tuner? (If the TV or tuner is connected to a simple indoor antenna, connect it to an outdoor antenna.)
"diSC" or "Er"is displayed when a disc is in the player.	<ul><li> Is the disc damaged?</li><li> Is the disc playable on this player?</li><li> Has the disc been inserted upside down?</li></ul>

# When purchasing rechargeable

As a safety precaution, the portable CD players made by JVC have a construction designed to make it impossible to recharge ordinary batteries.

To use rechargeable batteries, be absolutely sure to purchase the rechargeable Ni-Cd batteries designed especially for this unit.

### When purchasing AC adaptor

To use AC adaptor, be absolutely sure to purchase the AC adaptor designed especially for this unit.

In the interest of traffic safety, do not operate the unit while driv-

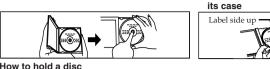
# **Concerning Compact Discs**

Only compact discs bearing this mark can be used with this unit.

However, continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage CD-R and CD-RW discs recorded with the audio

CD format can be played back, though some may not be played back because of the disc characteri tics or recording condition

#### How to remove a disc from its case



X

If the disk surface is dirty Wipe it with a damp cloth and then wipe dry. Wipe from the center toward the outer edge.

 $\bigcirc$ 

Play surface (shiny surfac 0 ()

ment, wipe of

Before using this unit, be sure to read the applicable items of the

Afterwards keep them handy for future reference. Take specia

care to follow the warnings indicated on the unit itself as well as

1. Care of AC adaptor (not included) - The cord of the AC adaptor should be routed so that they are not likely to be walked on

2. Disconnect when not in use - When not in use, be sure to

3. Batteries - If the unit is not used for a long period of time or is

1. Condensation - Moisture may form on the lens in the follow

when the unit is suddenly moved from a cold environm

1.Foreign Material - Care should be taken so that objects do not

2. Magnetism - The unit should be situated away from equip-

fall into and liquids are not spilled into the unit. Do not subject

this unit to excessive smoke, dust, mechanical vibration, or

to a warm one. If moisture forms inside this unit, it may not

operate properly. To correct this problem wait about on

immediately after a heater has been turned on.

• in a steamy or very humid room.

hour for the moisture to evaporate

old and new ) batteries or different types of batterie

used only from an AC power source, remove all the batteries to prevent potential damage due to battery leakage. Do not mix

disconnect the AC adaptor (not included) from the AC power

or pinched by items placed upon or against them. Never take hold of the AC adaptor if your hand is wet, and always grasp

#### If moisture has formed on a disc When moisture has formed because the disc was brought suddenly into a warm

Susceptible to high levels of humidity or

• Directly exposed to heat from a heating

• On top of a car dashboard or near the

Precautions

in the operating instructions.

Safety

outlet

Installation

Environmen

ing conditions

Placement

shock

operating instructions and these safety-suggest

the plug when connecting or disconnecting it.

room from a cold environm

Avoid locations which are

· Exposed to direct sunlight.

When storing discs

the moisture using a soft dry cloth.

 On the label side (the side with writing) Do not write anything using a pencil ball-point pen, etc. Do not use adhesive er or labels.

Handling precautions

Ö

How to store the disc in

·( o

- On the disc (shiny) side Handle this side carefully to keep it free from fingerprints or scratches. Do not
- use record cleaners, solvents, etc. Do not attach labels or stickers to CDs. Do not use CDs with exposed adhesive rom tape or left over peeled off stickers. • Do not use scratch-proof protectors or
- covers other than those specified for use with this unit

#### **Maintenance**

(See page 5 for details.) Clean the cabinet, panel and controls with a soft cloth lightly noistened with mild detergent solution Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

#### Service

1. Damage Requiring Service - The unit should be serviced by fied service personnel when

- a) The AC adaptor is damaged; or (b) Objects have fallen or liquid has been spilled into the unit; or
- (c) The unit has been exposed to rain; or (d) The unit does not appear to operate normally or exhibits
- marked change in performance; or (e) The unit has been dropped, or the enclosure damaged.

#### WARNING:

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

### CAUTION!

THIS PRODUCT UTILIZES A LASER USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF REFER SERVICING TO QUALIFIED PERSONNEL.

#### CLASS 1 LASER PRODUCT

- 2. DANGER: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to
- 3. CAUTION: Do not open the top cover. There are not user serviceable parts inside the unit: leave all service ing to qualitied service personnel.



### THE FOLLOWING NOTICES ARE APPLIED ONLY FOR U.S.A.:

#### POWERED BY NICKEL-CADMIUM BATTERY. MUST BE RECYCLED OR DISPOSED OF PROPERLY.

#### TTENTION

The product that you have purchased is powered by a re argeable battery. The battery is recyclable. At the end of t's useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal wast

Check with your local solid waste officials for details in our area for recycling options or proper disposa



### **CAUTION!**

ent 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 gainst harmful interference in a residential installation. This equipment generates, uses and can radiate radio fre quency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to ra-dio communications. However, there is no guarantee that nterference 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 uipment off and on, the user is encouraged to try to corect the interference by one of the following measures:

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

Any unauthorized changes or modifications to this equipent would void the user's authority to operate this device





### PORTABLE CD PLAYER XL-PG39BK/XL-PG39RD/ XL-PV390SL

INSTRUCTIONS

For Customer Use Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the player. Retain this information for future reference

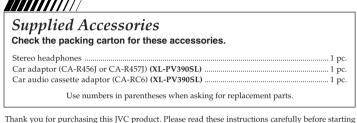
Model No Serial No.

**JVC** 









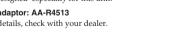
operation to be sure to obtain optimum performance and a longer service life from the unit.

ment or devices that generate strong magnetic fields. 3. Stacking - Do not place any objects on top of the unit. 0103SKMCREORI

# Ordinary dry cel

### batteries/rechargeable batteries

# AC adaptor: AA-R4513 For details, check with your dealer





When driving a car

# **Power Supply Preparations**

Refer to the specifications (page 6) for information on operating times when using rechargeable batteries or dry-cell batteries.

function

### When using rechargeable batteries (not included)

Be sure to recharge the rechargeable batteries BN-R1211J (not included) before using them For information about these, see "When purchasing rechargeable batteries" on page 6.

#### **Recharging procedure**

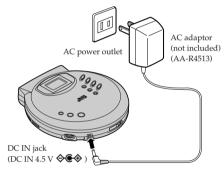
**1** Insert the special rechargeable batteries into the unit.

#### Caution:

Do not open the battery lid too wide. It can break if you forcibly open it beyond approximately 90°



**2** Connect the AC adaptor (not included). See "When purchasing AC adaptor" on page 6.



\*Recharging will be completed after 10 hours.

3 When recharging is complete, unplug the XL-PV390SL comes with a car adaptor. For XL-PG39BK/XL AC adaptor from the power outlet and the DC IN jack.

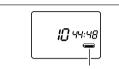
Notes:

- To operate the unit on batteries, the AC adaptor must be dis- (not included) ected from the DC IN jack. • It takes approximately 10 hours to recharge the rechargeable
- Insert two "A A" (LR6) alkaline batteries • Rechargeable batteries have a service life of approximately The procedure for inserting and removing dry-cell
- 300 charge-discharge cycles. If the operating time on one full batteries is identical to that for rechargeable batcharge becomes noticeably shorter than it used to be, the batteries **teries**. have reached the end of their service life and should be replaced.



When using dry-cell batteries

### **Battery indicator**



#### Battery indicator

This indicator flashes on and off when the batteries are almost out of power. Power is cut off completely a short while later. Rechargeable batteries: Recharge batteries.

Dry-cell batteries: Replace batteries with new ones.

#### Notes:

- The length of time the unit can continue further operation after the battery indicator starts flashing differs depending on the type of batteries used.
- The battery indicator may not flash if rechargeable batteries other than those designated by JVC, are used.



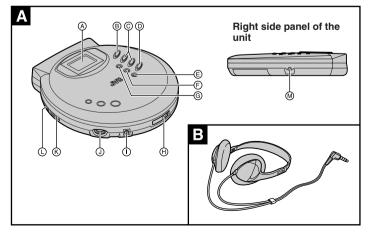
Turning off the Anti-Shock Protection EX will save the battery power more or less. For details, see "Anti-shock Protection EX" on page 4.

If the unit malfunctions or freezes during use, disconnect the power source (the AC adaptor and batteries) once. Then, re-connect the power source and continue operation.

Stereo headphones

The car adaptor can be used to recharge the unit's batteries while in a car.

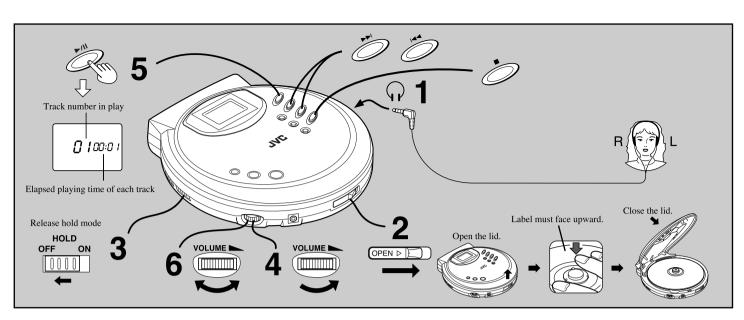
# **Location of Controls**



# Portable CD player

- A Display
- Play / pause button (►/II)
- Skip / search buttons (I◄◄, ►►I)
- Stop / power off button (■)
- PROGRAM button
- A.S.P. (Anti-shock protection EX)
- button
- MODE button
- Lid open switch (OPEN ►) DC in jack (DC IN 4.5 V 🛇 👁 🗇 )
- Headphones volume control
- (VOLUME )
- HOLD switch
- Hyper-bass sound switch (HBS)
- Headphones jack (

# Sequential Play Basic Play

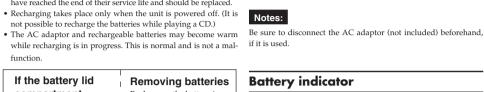


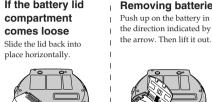
#### Follow steps 1–6.

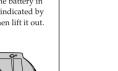
In steps 1, firmly connect the plug into the jack.

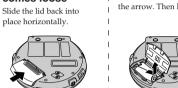
- Play stops automatically when all the tracks have been played
- When the unit is connected to a car audio system, set the volume level on the car audio system to minimum position before playing the disc. Then, gradually increase the volume level.

Operation	Button	Display/reference	
To pause play	During play, press.	Press again to resume play.	
To stop play Stop mode	During play, press.	Total number of tracks	
To turn off the unit Off mode	In stop mode, press.		
Fast forward/ reverse	Skip function During play, press. Forward Reverse Search function Keep depressed during play.	<ul> <li>To skip back to the previous track, quickly press the i◄ button twice.</li> <li>During program play, the button is used to fast forward or back through the programmed sequence of tracks.</li> <li>During random play, the skip button cannot be used to skip back to tracks that were played previously in the random sequence.</li> </ul>	









Refer to "Using rechargeable batteries" for connection instruc-

The unit is in the standby condition when the AC adaptor is con-

nected. The primary circuit is always "live" as long as the AC

When using the AC adaptor

See "When purchasing AC adaptor" on page 6.

adaptor is connected to an electrical outlet.

PG39RD, obtain the optional car adaptor as require

Using the car adaptor

Car adaptor (CA-R456I or CA-R457I)

Connect the AC adaptor.

(not included)

tions.

Note:

### For your reference:

"d | \$[" This indication appears for about 30 seconds if the  $\blacktriangleright/II$  button is pressed when no disc is loaded in the unit or if the disc is not properly seated. Then, the unit is automatically shut off.

"\_\_"

This indication appears to let you know the status of the unit. Preparation period before playing the track Flashes for several seconds after you have press the >/II button to play the disc. (Flashes until the rotational speed of disc becomes constant or until the contents of disc is read.)

### "OP EN"

• Opened lid Stays lit for 30 seconds when the lid is opened.

# Note:

Never insert foreign objects into the unit body.

#### Removing discs

Turn off the unit and, after the disc has stopped rotating, remove the disc as shown below:



#### Auto power off function

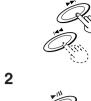
If the unit is left in stop mode for 30 seconds, the unit powers itself off automatically to prevent the batteries from running down.

# **Other Play Methods**

### Skip play

#### You can play any track after locating it with the I **Preparation:** Put the unit in stop mode. (See page 3.)

#### 1 Select the track you want to play.





For your reference: You can also skip the track during playback, with the ►►I button

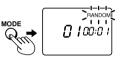
#### Random play

You can play all tracks in a random order. After playing all tracks, the unit stops.

### 1 Play the disc.



#### 2 Press MODE until "RANDOM" flashes.



#### Release

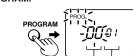
Press MODE until "RANDOM" goes out, or press the button to stop the disc.

#### For your reference:

- You can also select random play in stop mode. In stop mode, press MODE until "RANDOM" lights up. Then, press ▶/II to start random play.
- During program play ("PROG" appears on the display). random play is not selectable

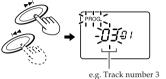
### Program play

- You can program up to 20 tracks in any desired order including You can repeatedly play one track or all tracks. the same tracks
- 1 During playback or in stop mode, press PRO-GRAM.



Track number to be progra 00: Not programmed yet.

#### 2 Select the desired track.



#### **3** Press PROGRAM.

The track is registered, and "00" and the next program sequence number appear.



#### 4 Repeat steps 2 and 3 to select other tracks.

When you program exceeding 20 tracks, the program se- 2 Press the ►/II button. quence number returns to "01" and will overwrite the previous setting.

#### 5 Press the ►/II button.

The tracks are played in the programmed order, and then the unit stops.



#### • To confirm the programmed tracks

In stop mode, press PROGRAM repeatedly. The programmed track number will successively appear together with the program sequence number. At this time, you can change the program, if required.

If the programmed tracks are less than 20, track number "00" appears for the youngest programmable sequence number, en- You can enjoy powerful bass sound. abling further programming

#### • To delete the entire programmed sequence Turn off the unit, or set the track number to 00 for the first program sequencer number, "01".

# **Repeat function**

**1** During playback or in stop mode, press MODE until the repeat indicator lights up.

2 When you select repeat function in stop mode, press ►/II.



#### Cancelling Press MODE until the repeat indicator goes out and the unit returns to normal play mode.

#### For your reference:

Repeat function is also effective for program play

#### Intro play

You can successively play the first 10 seconds of every track from the first track. Intro play stops after playing the last track.

1 During playback, press MODE until "INTRO" flashes



The "INTRO" play will start from the first track.



#### Cancelling

Press MODE until "INTRO" goes out and the unit returns to normal play mode.

#### To normally play the track being played Press the ►/II button.

#### For your reference:

· You can also enter intro play in stop mode. • You can also use intro play for program play.

#### **Hyper-Bass Sound effect**

#### To get the hyper-bass sound effect Set HBS switch to "1"

Set HBS switch to "2" to get more effect



To cancel the effect Set HBS switch to "OFF".

# **Anti-Shock Protection EX**

to enjoy listening to music during jogging (not vigorous jogging). This function is achieved by utilizing the high-perform servo circuit and audio data that has been stored in the memory ahead of time (up to 45 seconds worth).

Normally, the "ANTI SHOCK" indicator lights up on the display and the Anti-Shock Protection EX is in effect.



This function has been developed to achieve excellent performance When the disc is played, as the audio data gradually stored in against sound interruption caused by vibrations. You will be able the memory, the "ANTI SHOCK" indicator changes as follows:

#### To cancel the Anti-Shock Protection EX Press the A.S.P. button in stop mode or during playback.

The "ANTI SHOCK" indicator goes out on the display. To activate the Anti-Shock Protection EX again

Press the A.S.P. button again.

- · During Anti-Shock Protection EX operation, the disc rotates at a higher rate than usual in order to collect extra audio data. This may cause the batteries to run out faster and could result in a slight increase in disc rotation noise.
- The Anti-Shock Protection EX function can be switched ON and OFF during playback. However, this may cause a slight interruption in the sound because the disc's rotational speed changes.



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