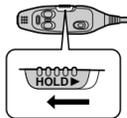


Using the Wired Remote Control XL-PG5 ONLY

The remote control can be operated regardless of the hold mode of the unit.

Preparation:

Release the remote control from the hold mode.



Operation confirmation tones

When an operation button is pressed, a confirmation tone sounds. Refer to the parentheses in the illustration for the different types of confirmation tones.

How to use the wired remote control

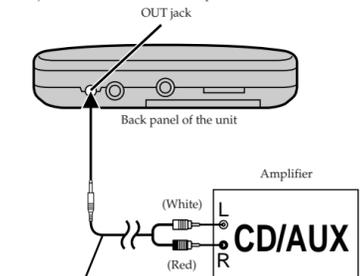
To start play	Press once during off or stop mode. (Beep)	Fast forward/ reverse	Skip function Press once during play. Forward (Beep Beep)
To stop play	Press once during play. (Beep . . . Beep)		Reverse (Beep Beep Beep)
To turn off the unit	Keep depressed during play or stop mode. (Beep . . . Bee . . . p)	To adjust the volume	Search function Keep depressed during play. When adjusting the volume using the remote control, position the volume control on the unit between 4 and 6.

Using the Unit with Optional Accessories

Using the unit with an audio system

Using a stereo connection cable (not included), you can listen to CDs through your audio system.

- Connect the cable to the amplifier after turning off its power.
- Do not connect the cable to the PHONO jacks on the amplifier.
- Obtain the optional connecting cable if the amplifier comes with mini-phone jacks.
- Adjust the volume level on the amplifier.



Stereo connection cable (not included)

Note:

Sound quality changes when HBS is selected, but volume is reduced by approximately fifty percent.

Accidental Operation Prevention Function (Hold Mode)

This function causes the unit to ignore short, accidental button presses.

The misoperation prevention function prevents the following:

- Powering on the unit accidentally (which can cause the batteries to go dead).
- Play being cut off unexpectedly in the middle of a selection.

The unit and wired remote control have HOLD switches, each of which works independently.

To use the accidental operation prevention function

- To prevent the unit from powering up accidentally, set the HOLD switch to the HOLD position.
- To prevent the unit from unexpected operation during play, set the HOLD switch to the HOLD position after playing the disc.

OPEN button operation

Even when the unit is in hold mode, the (CD) lid can be opened or closed by pressing the OPEN button.

Specifications

Portable CD player

Type : Compact disc player
Signal detection system : Non-contact optical pickup (semiconductor laser)
Pickup system : 3 beam laser
Number of channels : 2 channels (stereo)
Frequency response : 20 Hz to 20,000 Hz
Wow & flutter : Unmeasurable
Output : Headphone (3.5 mm dia. stereo × 1)
9 mW/ch at 10 % THD/16 ohms matching impedance (16 ohms to 1 kohm)
Out (3.5 mm dia. stereo × 1) 0.6 V/50 kohms

Duration of battery (with T.S.P. ON) : Approx. 6 hours when using two rechargeable batteries (BN-R122) or equivalent) charged for 3 hours, Approx. 21 hours when using two alkaline batteries (LR6-Panasonic)

Power requirements : DC 3 V ("AA" size battery × 2)
DC 2.4 V (rechargeable battery × 2)
DC IN 4.5 V

Dimensions (W×H×D) : 128.5×28.9×144 mm (5-1/16"×1-3/8"×5-21/32") (Excluding buttons and controls)

Mass : Approx. 220 g (0.48 lbs) (without batteries)

AC adaptor

Input power source : AC 120 V, 60 Hz
Output voltage : DC 4.5 V, 800 mA

* Design and specifications are subject to change without notice.

Troubleshooting Guide

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

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

Problem	Check this
Cannot close cover.	Is the disc properly secured in place?
Cannot play discs.	<ul style="list-style-type: none"> • Is the unit in HOLD status? • Is the disc properly secured in place? • Is there moisture condensation on the lens? (Wait for about an hour and then try again.)
Cannot remove disc.	Did you press the PUSH button to release the disc?
Tracks on disc do not play in order, starting with the first track.	Is the RESUME, NORMAL, RANDOM (play mode) selector in the NORMAL position?
Cannot hear music—too noisy.	<ul style="list-style-type: none"> • Is the headphone plug inserted all the way? • Is the plug dirty? (Wipe away dirt on the plug.)
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.)

Cautions

Listening caution



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

If you experience a ringing in your ears, reduce volume or discontinue use.

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 is 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 actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

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

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Rechargeable batteries

- Only the BN-R122J 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.

Concerning Compact Discs

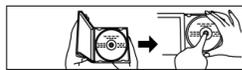
Only compact discs bearing this mark can be used with this unit.



However, continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the unit.



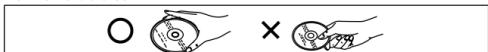
How to remove a disc from its case



How to store the disc in its case



How to hold a disc



If the surface is dirty

Wipe it with a damp cloth and then wipe dry. Wipe from the center toward the outer circumference.



If moisture has formed on a disc

When moisture has formed because the disc was brought suddenly into a warm room from a cold environment, wipe it off using a soft dry cloth.

When storing discs

- Avoid locations which are
- Exposed to direct sunlight.
- Susceptible to high levels of humidity or dust.
- Directly exposed to heat from a heating appliance.
- On top of a car dashboard or near the rear window.

Handling precautions

- On the label side (the side with writing) Do not write anything using a pencil, ball-point pen, etc. Do not stick on paper or labels.
- 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 from tape or left over peeled off stickers.
- Do not use scratch-proof protectors or covers other than those specified for use with this unit.

Precautions

Before using this unit, be sure to read the applicable items of the operating instructions and these safety-suggestions carefully. Afterwards keep them handy for future reference. Take special care to follow the warnings indicated on the unit itself as well as in the operating instructions.

Safety

- Care of AC adaptor** - Take care that the cord of the AC adaptor should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Never take hold of the AC adaptor if your hand is wet, and always grasp the plug body when connecting or disconnecting it.
- Nonuse Periods** - When not in use, be sure to disconnect the AC adaptor from the AC power outlet.
- Batteries** - If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage. Do not mix batteries (old and new) or different types of batteries.

Installation

Environment

- Condensation** - Moisture may form on the lens in the following conditions...
 - immediately after a heater has been turned on.
 - in a steamy or very humid room.
 - when the unit is suddenly moved from a cold environment to a warm one. If moisture forms inside this unit, it may not operate properly. To correct this problem wait about one hour for the moisture to evaporate.

Placement

- Foreign Material** - Care should be taken so that objects do not fall into and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.
- Magnetism** - The unit should be situated away from equipment or devices that generate strong magnetic fields.
- Stacking** - Do not place any objects, on top of the unit.

INFORMATION (For Canada)
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Department of Communications.

JVC

PORTABLE CD PLAYER **XL-PG4/XL-PG5/ XL-PV400**

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



INSTRUCTIONS

Supplied Accessories

Check the packing carton for these accessories.

AC adaptor (RFEA 417C)	1 pc.
Stereo headphone	1 pc.
Car adaptor (CA-R455) (XL-PV400)	1 pc.
Car audio cassette adaptor (CA-RC4/CA-RC5) (XL-PV400)	1 pc.
Wired remote control (XL-PG5)	1 pc.
Rechargeable Ni-Cd batteries (BN-R122J) with carrying case (XL-PG5)	2 pcs.

Remove the rechargeable batteries from their case before use. Use numbers indicated in parentheses when asking for replacement parts.

Thank you for purchasing this JVC product. Please read these instructions carefully before starting operation to be sure to obtain optimum performance and a longer service life from the unit.

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

ATTENTION:
The product that you have purchased is powered by a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.



CAUTION!

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 of the following measures:

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

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

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.

THE FOLLOWING PHRASES ARE APPLIED ONLY FOR U.S.A.:

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

JVC
VICTOR COMPANY OF JAPAN, LIMITED

LVT0231-001A [J]
RQT4851-P

Power Supply Preparations

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

Using rechargeable batteries

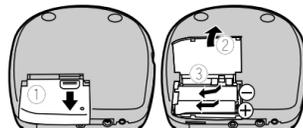
Make sure to recharge the batteries before using them. The unit cannot be used to charge rechargeable batteries other than those specifically designed for it.

XL-PG5 comes with the rechargeable batteries. For XL-PG4/PV400, obtain the optional batteries as required.

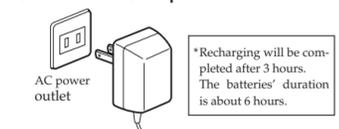
- Rechargeable Ni-Cd batteries (BN-R122) 2 pcs.

Recharging procedure

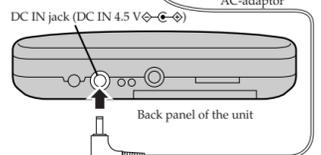
1 Insert the special rechargeable batteries into the unit.



2 Connect the AC adaptor.



*Recharging will be completed after 3 hours. The batteries' duration is about 6 hours.



When recharging starts, the charging indicator flashes on and off on the display.

Using the battery case (XL-PG5 ONLY)

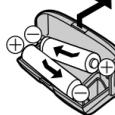
The battery case allows you to extend the maximum playing time of the unit by loading an additional two LR6 (UM3) alkaline batteries.

Notes:

- When using the battery case, always insert batteries in the unit body as well. (The unit cannot be operated on the batteries in the external battery case alone.)
- Though you can use rechargeable batteries in the battery case, it does not recharge them. (Use dry cell batteries if possible.)
- When using rechargeable batteries in the unit body, and dry-cell batteries in the battery case, be sure to use fully charged rechargeable batteries and new dry-cell batteries.
- When using four dry-cell batteries, do not mix new and old batteries.

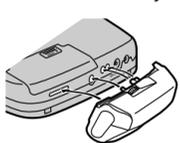
1 Open the cover of the battery case and insert the batteries.

Insert the end marked (-) first.



2 Mount the battery case on the unit body.

Insert the protrusions on the battery case into the four indentations in the unit body.



3 When recharging is complete, unplug the AC adaptor from the power outlet and the DC IN jack.

Notes:

- It takes approximately 3 hours to recharge the rechargeable batteries.
- Rechargeable batteries have a service life of approximately 300 charge-discharge cycles. If the operating time on one full charge becomes noticeably shorter than it used to be, the battery has reached the end of its service life and should be replaced.
- Recharging is made only when the unit is powered off. (It is not possible to recharge the batteries while playing a CD.)
- The AC adaptor and rechargeable batteries may become warm while recharging is in progress. This is not a malfunction.

If the battery lid compartment comes loose

Slide the lid back into place horizontally.



Removing batteries

Push up on the battery in the direction indicated by the arrow. Then lift it out.



Using the AC adaptor

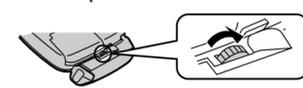
Connect the AC adaptor supplied.

Refer to "Using rechargeable batteries" for connection instructions.

Note:

The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.

3 Secure in place with the screw.



Reverse the above procedure to remove the external battery case.

For your reference:

The maximum playing time will differ depending on the type of batteries (rechargeable/dry-cell) loaded in the unit body.

If the cover of the battery case comes loose:

Insert the protrusions into the holes on either end of the lid.



If the unit malfunctions or freezes during use, then disconnect the power sources (the AC adaptor and batteries). Re-connect the power source and continue operation.

Using the car adaptor

XL-PV400 comes with a car adaptor. For XL-PG4/PC5, obtain the optional car adaptor as required.

- Car adaptor (CA-R455)
- The car adaptor can be used to recharge the unit's batteries while in the car.

Using dry-cell batteries (not included)

After disconnecting the AC adaptor, insert two "AA" (LR6) alkaline batteries.

The procedure for inserting and removing dry-cell batteries is identical to that for rechargeable batteries.

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.

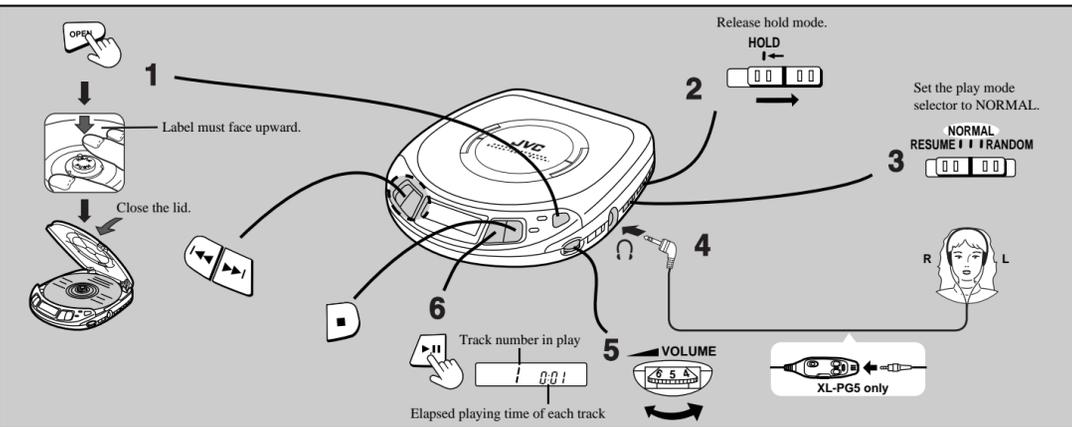
Rechargeable batteries: Recharge batteries.
Dry-cell batteries: Replace batteries with new ones.

Notes:

- The length of time the unit will continue to operate after the battery indicator starts flashing and when the power is cut off 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.

If the unit malfunctions or freezes during use, then disconnect the power sources (the AC adaptor and batteries). Re-connect the power source and continue operation.

Sequential Play Basic Play



Following steps 1-6.

In step 4, connect the stereo headphone to the jack. (Plug in firmly.)

- Play stops automatically when all the tracks have been played.
- If the unit has been connected to a car audio system, adjust the volume level between 4 and 6 on the unit, then adjust the volume level on the system.

Operation	Button	Display/reference
To pause play		Press during play.
To stop play Stop mode		Press again to resume play. Total number of tracks Total playing time.
To turn off the unit Off mode		Press during stop mode.
Fast forward/ reverse	Skip function Press during play. 	<ul style="list-style-type: none"> During program play, these buttons are used to fast forward or back through the programmed sequence of tracks. During random play, the skip buttons cannot be used to skip back to tracks that were played previously in the random sequence. During program play, random play or 1 track repeat play, search operation is limited to the current track only.
	Reverse Forward 	
	Search function Keep depressed during play. 	

For your reference:

"no disc" indication
This indication appears for about 30 seconds if the button is pressed when no disc is loaded in the unit or if the disc is not completely seated.

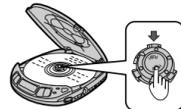
"OP EN" indication
This indication appears when the lid is opened. (However, the indication does not appear when the unit is powered off.)

Note:

Never insert foreign objects into the unit body.

Removing discs

After the disc has stopped rotating, press the PUSH button to release the disc. (To protect the disc, never open the lid while it is playing.)



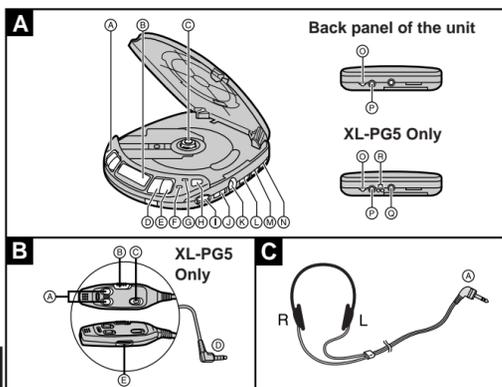
Backlight (XL-PV400 Only)

When using the AC adaptor or the car adaptor, the backlight of the display turns on.

Auto power off function

If the unit is left in stop or paused status for approximately 10 minutes, the unit powers itself off automatically in order to prevent the batteries from running down. (If no disc is loaded in the unit, it powers itself off in 30 seconds.)

Location of Controls



Portable CD player A

- A Skip / search buttons (◀▶)
- B Display
- C Push button (PUSH)
- D Play / pause button (▶||)
- E Stop / power off button (■)
- F Program button (PROGRAM)
- G Repeat button (REPEAT)
- H Open button (OPEN)
- I Headphones volume control (VOLUME)
- J HBS switch
- K Headphones jack (📎)
- L Play mode selector (RESUME, NORMAL, RANDOM)
- M HOLD switch
- N Triple shock protection (T.S.P.) switch
- O Out jack (OUT)

- P DC in jack (DC IN 4.5 V)
- Q Hole for battery case (XL-PG5 only)
- R Connection terminal for battery case (XL-PG5 only)

Wired remote control B

- A Skip / search buttons (+, -)
- B HOLD switch (HOLD)
- C Play / stop / off button
- D Plug
- E Volume control (VOL)

Stereo headphone C

- A Plug

Other Play Methods

The letters such as in the various illustrations refer to the descriptions in the "Location of Controls" section. (See page 3.)

Skip play

The disc plays from the specific track through to the last track, then play stops automatically.

Preparation: Put the unit in stop mode. (See page 3.)



2 Select the desired track.



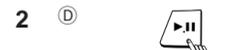
3



Random play



2



Release



For your reference:

- It is also possible to press the button while the unit is in stop status to change the first track to be played. (All tracks are played eventually, regardless of which is played first.)
- Program play is not possible in the random mode.

Resume play

This function allows you to listen from the beginning of the track where play stopped because the unit was powered off (or switched to stop status). It is useful when listening to CDs in the car, etc.



Release



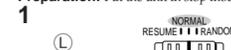
For your reference:

- If the RESUME, NORMAL, RANDOM (play mode) selector is put in the RESUME position, the all-repeat function will be activated automatically as soon as the unit is powered on.
- If power is cut off near the end of a track (power off status), playback may resume from the beginning of the next track in some cases.
- If the unit is powered off while a disc was playing and then a new disc is inserted, play will begin from the middle of the new disc because the unit remembers the position where play stopped on the previous disc.

Program play

Up to 24 tracks can be entered in the programmed sequence.

Preparation: Put the unit in stop mode. (See page 3.)



2 Select the desired track.



3 Register in sequence.

(The indication "M" and the programmed sequence appear on the display panel.)



4 Repeat steps 2 and 3 to program all the desired tracks.



For your reference:

- If "F" is displayed
No more tracks may be added to the sequence.
- To confirm the contents of the programmed sequence
Press PROGRAM while the disc is playing. (The numbers of the programmed tracks appear on the display panel in sequence.)
- To delete the entire programmed sequence
Press the button.

For your reference:

It is possible to program the same track in the sequence more than one.

Repeat function

Press REPEAT while disc is playing or when unit is in stop status.



The setting is switched in the sequence indicated below each time REPEAT is pressed.

1-track repeat

One track is repeated.



All-track repeat

All the tracks on the disc are repeated.



Cancel

For your reference:

If REPEAT is pressed during program play, only the tracks in the programmed sequence are repeated. (The indication "ALL" is not displayed.)

Changing the sound quality

HBS ON:

Select this setting to boost the low-range response.



OFF:

Select this setting to turn off the HBS function.



Triple Shock Protection (T.S.P.) Function

This function minimizes sound interruption when vibrations are encountered by utilizing audio data that has been stored ahead of time (up to the following seconds' worth).
For XL-PG4/PG5/PV400: approx. 40 seconds



2



The function starts to store the play data, and the M.RESERVE indicator on the display shows how much data is stored.

M.RESERVE indicator status	Unit body status	Play status (audio data status)
	Stable	Normal (plenty of data is stored)
	Bump encountered	Normal (stored data is used)
	Bumping stops	Normal (data again starts to be stored)
	Bumps continue repeatedly	Sound is interrupted (data buffer empty)

Notes:

- The position of the T.S.P. switch can be changed during play, but this may cause a slight interruption in the sound because the disc's rotational speed changes.
- During T.S.P. 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.

Using the unit with an audio system

The T.S.P. uses digital signal compression technology. It is recommended that the T.S.P. be kept in the OFF position if the unit is connected to a home audio system.