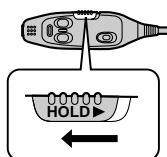


Using the Wired Remote Control XL-PG5 ONLY

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

Preparation:

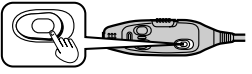


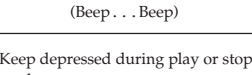

Release the remote control from the hold mode.



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

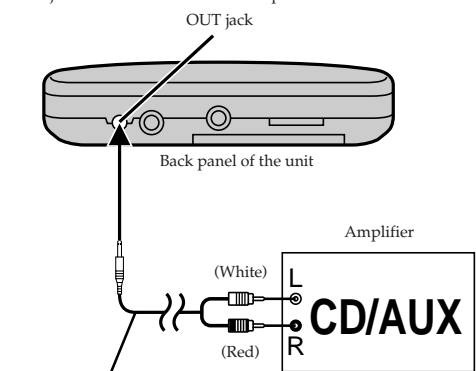
To start play	Press once during off or stop mode.  (Beep)	Skip function Press once during play.  Forward (Beep Beep)
To stop play	Press once during play.  (Beep . . . Beep)	Reverse (Beep Beep Beep)
To turn off the unit	Keep depressed during play or stop mode.  (Beep . . . Bee . . . p)	Search function Keep depressed during play.
To adjust the volume	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.

Using the unit with a car audio system

XL-PV300 comes with the car adaptor and car audio cassette adaptor.

- Car adaptor (CA-R455)
- Car audio cassette adaptor (CA-RC4/CA-RC5)

For connection to the car audio system:

Connect the car audio cassette adaptor to the unit's headphone jack. (When doing this, keep the unit's VOLUME control at a setting between 4 and 6.)

If there is an Aux jack in the car audio system, connect the OUT jack of the CD player with the Aux jack using a 3.5 mm diameter stereo mini-plug signal cord (optional). Depending on the automobile used, noise may occur, and in that case, it is recommended that a KS-U32 noise filter (optional) be used.

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

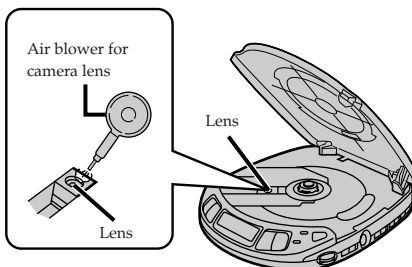
Maintaining the unit

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 dry.

- 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. Use a cotton swab to gently wipe off any finger-prints. Recommended product: Lens cleaner kit



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 (XL-PG5), approx. 20 hours (XL-PG3/PV-300) when using two alkaline batteries (LR6-Panasonic)
- Power requirements : DC 3 V ("R6" 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 230 V, 50 Hz
- Output voltage : DC 4.5 V, 0.8 A

* 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 headphones 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.)

Concerning Compact Discs

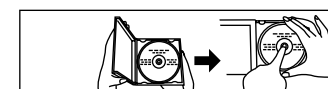
Only compact discs bearing this mark can be used with this unit.



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



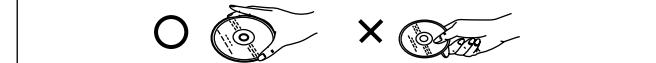
How to remove a disc from its case



How to store the disc in its case

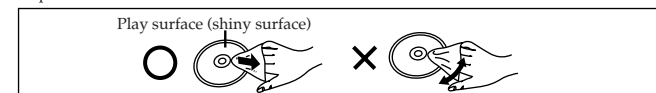


How to hold a disc



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.

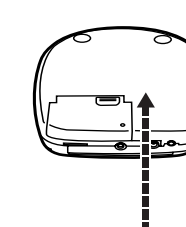
CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

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

Marking sign is located on bottom of the unit.

DANGER	INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.	(Bottom of product)
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING. VÅR SIKKERHEDSFRYDBYDRE ER LØSE AF FUNKTION. UNDGÅ UDSETTELSE FOR STRÅLING.	(Påsat under apparatet)
VARO!	AVATTAAESSA JA SUOJALUKUTUS OHTETTÄESSÄ OLET ALLTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.	(Tuotteen pohjassa)
WARNING	OSYNLIG LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKÖPLAD. BETRÄKTA EJ STRÅLEN.	(Apparatens undersida)
ADVARSEL	USYNLIG LASERSTRÅLING NÄR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTTES. UNDGÅ UDSETTELING FOR STRÅLEN.	(Produktets undersida)
VORSICHT	UNGSICHTBARE LASERSTRÄHLUNG. WENN ABRÜCKUNG GEÖFFNET UND SICHERHEITSVERriegELUNG ÜBERBRÜCKT, NICHT DEM STRAHL AUSSETZEN.	(Unterseite des Gerätes)

Bottom of the unit



CLASS 1 LASER PRODUCT

Cautions

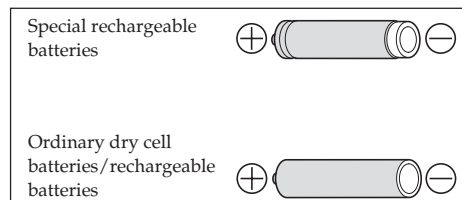
Rechargeable batteries

- Only the BN-R122 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 life.
- 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 discharge the batteries. This will restore them to their regular state.
- 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.

Dry cell batteries / rechargeable batteries

To prevent damage to the batteries and electrolyte leakage, heed the following points.

- Align the ⊕ and ⊖ polarities properly when inserting the batteries.
- Do not mix different types or makes 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, disassemble or subject them to excessive heat.
- Do not attempt to recharge dry cell batteries.



Notice about the rechargeable battery
The battery is designated recyclable.
Please follow your local recycling regulations.

When driving a car

In the interest of traffic safety, do not operate the unit while driving.

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 short-circuiting which, in turn, may cause a fire. Be absolutely sure to carry the rechargeable batteries in the battery carrying case.

When purchasing rechargeable batteries

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.

Special rechargeable Ni-Cd batteries:

BN-R122 (set of 2)

For details, check with your dealer.

AC adaptor

- Handle the AC adaptor carefully. Improper handling is dangerous.
- Do not touch it with wet hands.
- Do not place heavy objects on top of it.
- Do not forcibly bend it.
- Be sure to connect only the AC adaptor provided with the unit.
- Disconnect the AC adaptor from the power outlet if the unit is not going to be used for a long time.

Unit

No altering or remodeling

This can cause malfunctioning.

No dropping or strong impacts

This may damage the unit.

Locations to be avoided

- Avoid using the unit in the following locations since they can cause malfunctioning.
 - 1. Bathrooms and other moisture-prone places.
 - 2. Warehouses and other dusty places
 - 3. Very hot places near heating appliances, etc.
- Do not leave the unit exposed to direct sunlight for long periods of time**
This may deform or discolor the cabinet and may also cause malfunctioning.

Precautions for Listening with the Headphones

- Do not play your headphones 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 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 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.

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

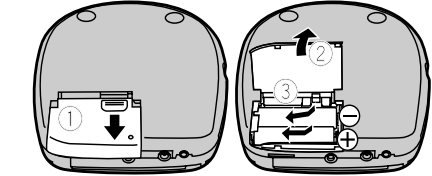
Make sure to recharge the batteries before using them. The unit cannot be used to charge rechargeable batteries other than those specifically designed for it.

XL-PG5 comes with the rechargeable batteries. For XL-PG3/PV300, obtain the optional batteries as required.

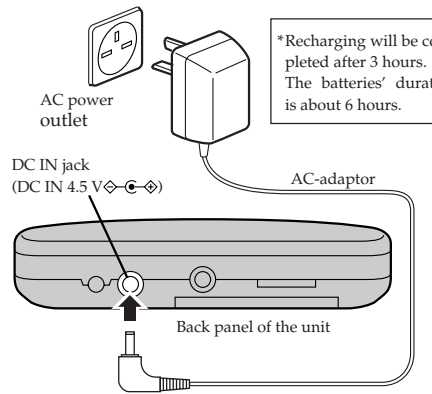
- Rechargeable Ni-Cd batteries (BN-R122) 2 pcs.

Recharging procedure

1 Insert the special rechargeable batteries into the unit.



2 Connect the AC adaptor.



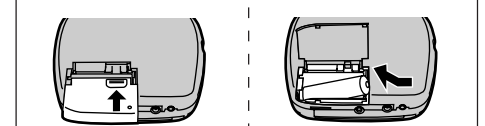
When recharging starts, the "G" charging indicator flashes on and off on the display.

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.

Notes:

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.

Using the car adaptor

XL-PV300 comes with a car adaptor. For XL-PG3/PG5, obtain the optional car adaptor as required.

- Car adaptor (CA-R455)

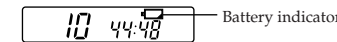
The car adaptor can be used to recharge the unit's batteries while in the car.

Using dry-cell batteries (not included)

After disconnecting the AC adaptor, insert two "R6" (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.

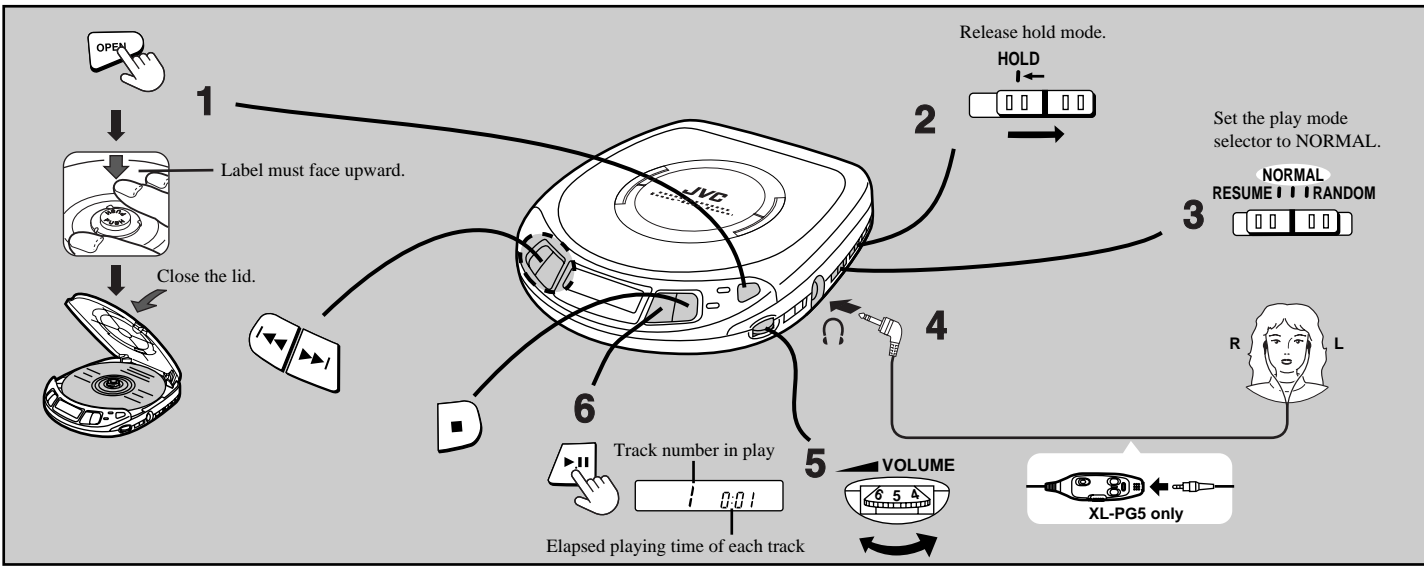
Dry-cell batteries: Replace batteries with new ones.

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 headphones to the H 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.	Press again to resume play.
To stop play Stop mode	Press during 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 P button is pressed when no disc is loaded in the unit or if the disc is not completely seated.

"OP ER" indication

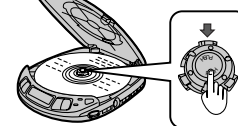
This indication appears when the lid is opened. (However, the indication does not appear when the unit is powered off.)

Note:

Never insert foreign objects into the unit body.

Removing discs

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



Backlight (XL-PV300 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.)

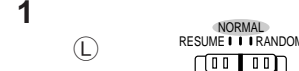
Other Play Methods

The letters such as A 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.

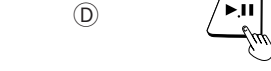
Preparation: Put the unit in stop mode. (See page 3.)



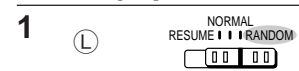
2 Select the desired track.



3



Random play



2



3

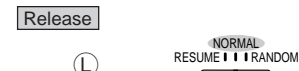
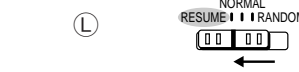


Resume play

- It is also possible to press the P 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.

Repeat function

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.

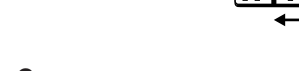


3

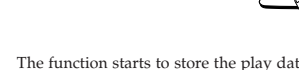


Triple Shock Protection (T.S.P.) Function

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/PV300: 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.

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.



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 M 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.

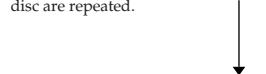
1-track repeat

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.

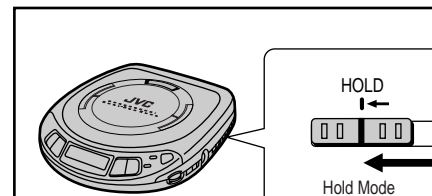


OFF:

Select this setting to turn off the HBS function.



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.

"ho ! d" indication

When the unit is in hold mode, pressing any operation button (other than the OPEN button) causes the indication "ho ! d" to appear on the display.

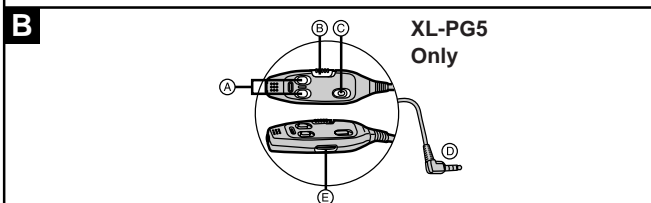
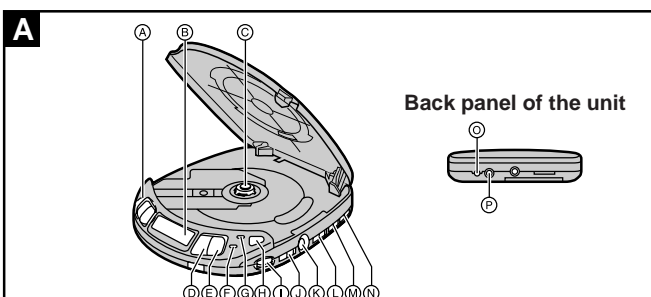
When the unit is powered off

The "ho ! d" indication appears only when the P button is pressed.

To release the function

Move back the HOLD switch.

Location of Controls



Portable CD player A

- A Skip / search buttons (F , B)
- B Display
- C Push button (PUSH)
- D Play / pause button (P)
- E Stop / power off button (M)
- F Program button (PROGRAM)
- G Repeat button (REPEAT)
- H Open button (OPEN)
- I Headphones volume control (VOLUME)
- J HBS switch
- K Headphones jack (H)
- 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)

Wired remote control B

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