

**INSTRUCTION MANUAL
MANUAL DE INSTRUÇÃO**

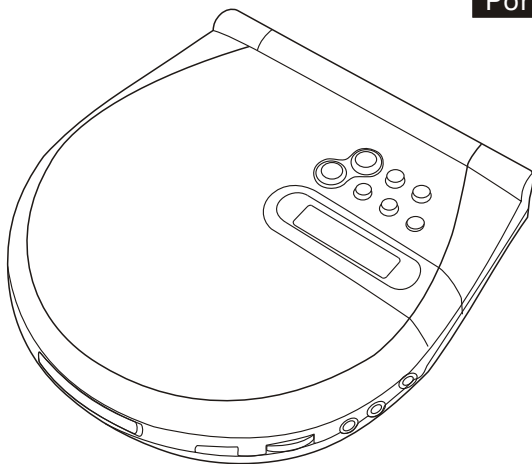
Compact Disc Player

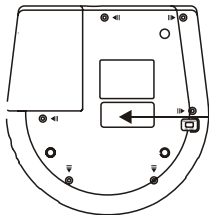
SANYO

CDP-AS45

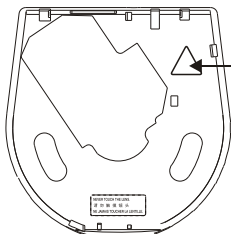
English 1 ~ 17

Português 18 ~ 29





CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT



CAUTION - INVISIBLE LASERRADIATION WHEN OPENING
INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL - USYNLIG LASER STRÅLING VED ÅBNING, NÅR
SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION, UNDGÅ UDSÆTTELSE
FOR STRÅLING.

VARNING - OSYNLIGLASER STRÅLNING NÅR DENNADEL ÄR ÖPPNAD
OCH SPÄRRÄR URKOPPLAD. STRÅLENÄR FARLIG.

VORSICHT - UNSICHTBARE LASERSTRAHLUNG TRITTS AUS, WENN
DECKEL GEÖFFNET UND WENN SICHERHEITSPERRRIEGELUNG
ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.

VARO - AVATTAESSA JASUOJALUKITUS OHITETTAESSÄOLET ALTTIINA
NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄKATSO SÄTEESE.

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

ACHTUNG- WENN ANDERE ALS DIE IER SPEZIFIZIERTEN BEDIENUNGSODER JUSTIEREINRICHTUNGEN BENÜTZT ODER ANDERE VERFAHRENSWEISEN AUSGEFÜHRT WERKEN, KANN DIES ZU GEFÄHRLICHER STRAHLUNGSEXPOSITION FÜHREN.

ATTENTION- L'EMPLOI D'ORGANES DE COMMANDE OU DE RÉGLAGE. OU L'EXÉCUTION DE PROCÉDURES, AUTRES QUE CEUX SPÉCIFIÉS DANS LE MODE D'EMPLOI, PEUT PROVOQUER UNE EXPOSITION DANTEREUSE AU RAYONNEMENT.

OPGELET- HET GEBRUIK VAN REGELAARS OF HET MAKEN VAN AFSTELLINGEN E. D. DIE NIET IN DEZE GENTUIKSAANWIJZING ZIJN BESCHREVEN KAN LEIDEN TOT SCHADELIJKE STRALINGEN.

WARNING!- OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN VAD SOM BESKEIV I DENNA BRUKSANVISNING, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS I.

VAROITUS!- LAITTEEN KÄTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAÄ ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN I YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

CAUTELA- L'USO DI COMANDI, AGGIUSTAMENTI O PROCEDIMETI DIVERSO DA QUELLO QUI SPECIFICATO PUÒ DAR LUOGO AD ESPOSIZIONE A RADIAZIONI PERICOLOSE.

PRECAUCION- EL USO DE CONTROLES O AJUSTES, O PROCEDIMIENTOS DE OPERACION DIFERENTES DE LOS ESPECIFICADOS EN ESTE DOCUMENTO RESULTARAN EN EXPOSICION PELIGROSA A LA RADIACION.

CUIDADO- O USO DOS CONTROLOS OU AJUSTES OU DESEMPENHOS DE PROCEDIMENTOS OUTROS QUE NÃO OS ESPECIFICADOS NAS INSTRUÇÕES DE OPERAÇÃO PODEM RESULTAR EM PERIGOSAS EXPOSIÇÕES À RADIÇÃO.

This set complies with the EMC Directive 89/336 and with the LVD Directive 73/23.

Dieses Gerät entspricht der EMC-Direktive 89/336 und der LVD-Direktive 73/23.

Cet appareil est en conformité avec la directive EMC 89/336 et avec la directive BT 73/23.

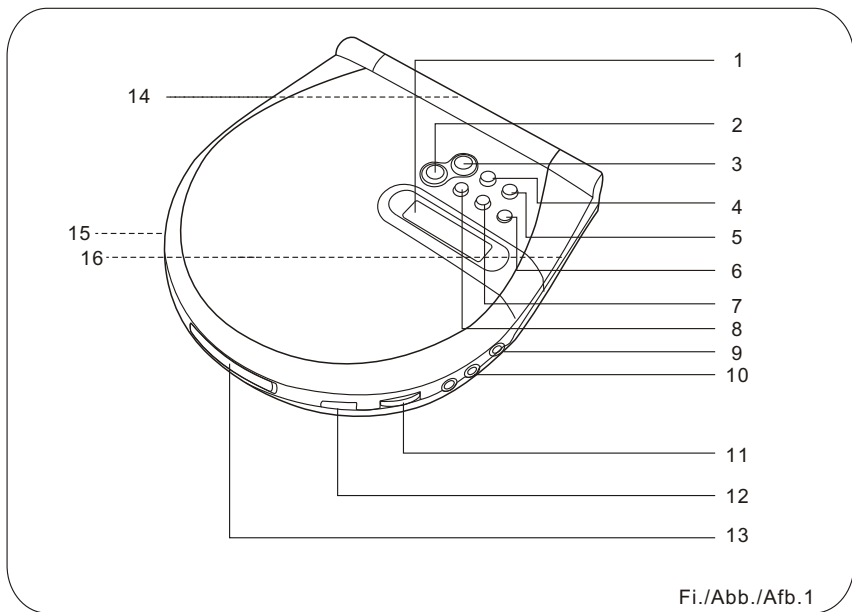
Dit toestel is in overeenstemming met EMC-richtlijn 89/336 en met LVD-richtlijn 73/23.

Detta set uppfyller EMC-direktivet 89/336 och lågspänningsdirektivet 73/23.

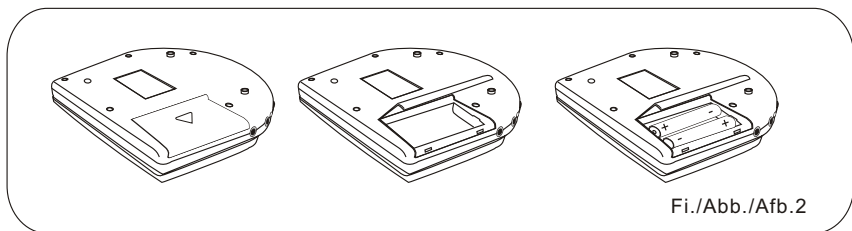
Questo set aderisce alle direttive EMC 89/336 e alle direttive LVD 73/23.

Este aparato cumple con la Directiva EMC 89/336 y con la Directiva LVD 73/23.

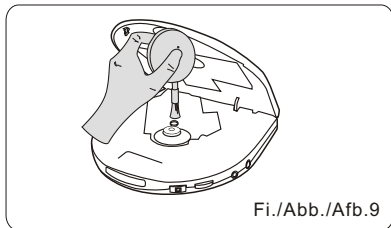
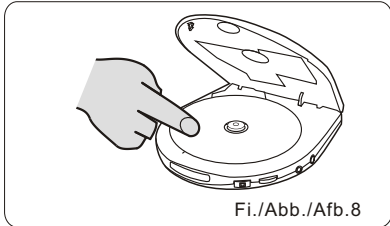
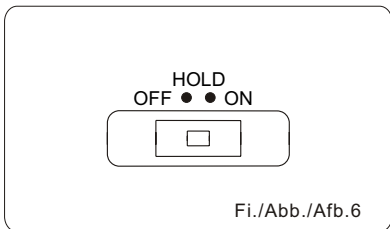
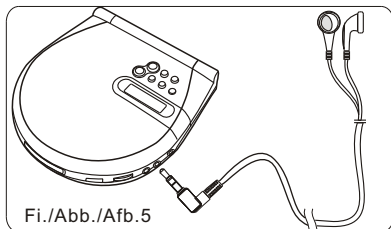
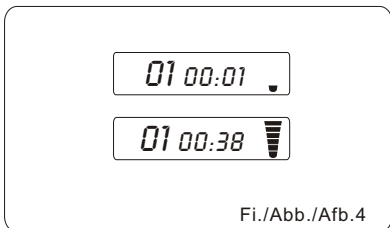
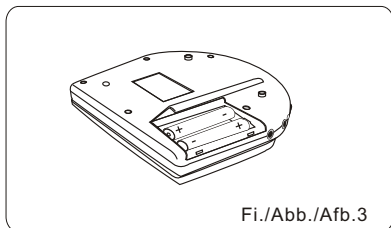
Este conjunto satisfaza Directiva EMC 89/336 e a Directiva LVD 73/23.



Fi./Abb./Afb.1



Fi./Abb./Afb.2



PRECAUTIONS

- High volume levels can create potentially dangerous situations by drowning out surrounding sounds. Use caution when driving while operating the unit, and obey all applicable laws.
- Do not play your headset at a high volume level. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce the volume or discontinue use. No object filled with liquids, such as vases, shall be placed on the apparatus.
- Do not use while bicycling, running or operating a motorized vehicle.
- The apparatus shall not be exposed to dripping or splashing.
- Do not use where there are extremes of temperature (below 5^oC or exceeding 35^oC).
- Sudden changes in the ambient temperature may cause condensation to form on the optical lens inside the unit. If this happens, take out the disc, leave the unit for about 1 hour, and then proceed to operate.
- Do not insert pins, etc., inside the unit.
- This unit is equipped with a safety device which automatically turns the laser beam off when the disc compartment is opened. If a pin or other metal object should get inside the unit, however, this safety device may be deactivated.
- The rating label is located on the bottom of the unit.

CONTROLS (Fig. 1a)

1. Display
2. Stop button (■)
3. Play/Pause button (▶||)
4. Skip/Search button (◀◀)
5. Skip/Search button (▶▶)
6. Play mode button (MODE)
7. Programme button (PROG)
8. Digital Anti-Shock system (DAS)
9. Line out jack (LINE OUT)
10. Headphones socket (PHONES)
11. Volume control (VOLUME)
12. Bass expander switch (BASS)
13. Open switch (OPEN)
14. External DC socket (DC 4.5V)
15. Hold switch (OFF/ON)
16. Battery compartment (bottom)

POWER SUPPLY

AC adaptor

Plug one end of the AC adaptor into the DC 4.5V socket, then plug the other end into an AC outlet.

- Use only the supplied AC adaptor.
- If the AC adaptor is connected, the power supply automatically switches to the AC power source and the installed batteries disconnected.

Alkaline batteries

Install two R6/AA batteries (not supplied) as shown in Fig.3. Observe proper polarity.

Battery replacement

If the battery weak and discharged, "□" blinks on the display, then the power automatically turns off. If this occurs, replace the batteries.

- Dispose of all used batteries safely and in accordance with all applicable laws.

Note:

When you are not going to use the unit for one month or more, take the batteries out of the battery compartment.

BEFORE OPERATION

Digital Anti-shock function

In the previous anti-shock function, when skips occurred while available memory runs out, then the sound would suffer some interruption.

The new digital anti-shock function is designed to prevent skipping to the greatest extent possible instead of supplementing the skipped portion of the sound.

This is achieved by expanding the memory capacity, and in addition full attention has been given also to increasing the unit's signal reading capability.

Moreover, consideration has been given to eliminating the basic causes of skipping, both from the standpoint of horizontal shock and vertical shock.

Use this function when listening during walk or playing in a car.

When the ►|| button is pressed first time, the anti rolling shock function turns on automatically. "■" appears on the display. The "■" changes to "▮" when the buffer memory is full of next 10 seconds music data (Fig.4).

Note:

Press the DAS button to turn the anti rolling shock function off. "■" disappears.

Press the button again to turn it on.

Sound may skip or mute for a few seconds when you press the DAS button during play.

Playing may stop when the unit gets strong shock even when the anti rolling shock function is on.

Bass xpander system

Set the BASS switch to ON to enhance the bass sound.

Auto power ON function

The power turns on automatically when the ►|| button is pressed.

Auto power OFF function

The power turns off automatically after about 30 seconds when all tracks on a disc have been played or when the ■ button is pressed once to stop play.

Hold function

The HOLD switch disables the buttons from operating to prevent play from starting or stopping due to accidental operation. For normal use, leave the switch in the off position.

To prevent battery drain:

Set the HOLD switch to the on position (Fig.6) when carrying the unit in a bag. The ►| button will not function even if the button is pressed accidentally. "HOLD" appears briefly on the display.

To prevent play from being interrupted:

Set the HOLD switch to the on position (Fig.6) after starting play. "HOLD" appears.

If the operating buttons do not function when pressed...

1. Check whether the HOLD switch is on or not.
2. Remove the batteries and/or disconnect the AC adaptor from the unit. Wait a few seconds, then reinstall the batteries or reconnect the AC adaptor.
3. If the buttons still do not function, insert new batteries or charge the rechargeable battery.

HANDLING COMPACT DISCS

Use compact discs bearing the symbol shown in Fig. 7. In addition to conventional 12 cm CDs, this unit can be used to play 8 cm CDs without an adaptor.

- Do not expose the disc to direct sunlight, high humidity or high temperatures for extended periods of time.
- Discs should be returned to their cases after use.
- Do not apply paper or write anything on the disc surface.
- Handle the disc by its edge. Do not touch the playing surface of the disc with a soft cloth.
- Fingerprints and dust should be carefully wiped off the playing surface of the disc with a soft cloth.
Wipe in a straight motion from the center to the outside of the disc.
- Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean compact discs.

The unit will not play a disc that has been inserted upside down, or discs which do not conform to the Compact Disc standard.

PLAYING A DISC

- Be sure to reduce the volume before connecting or disconnecting the headphones.
1. Connect the headphones, then plug the cord from the headphones into the PHONES socket (Fig.5).
 2. Slide the OPEN switch right to open the disc compartment lid.
 3. Hold the disc with the labeled side up and press it onto the pivot until it clicks into place (Fig.8).

WARNING!

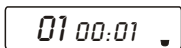
Do not insert your fingers into the opened panel. You may damage the unit or cause personal injury.

Do not allow young children to operate the unit unattended.

To remove the disc

Remove the disc while pressing the pivot.

4. Close the disc compartment lid.
5. Press the ►|| button to begin play.



The track number and elapsed playing time for the current track are displayed.

6. Adjust the VOLUME control as desired.
 7. To stop play temporarily, press the ►|| button. The display blinks. Press the ►|| button again to resume.
The total number of tracks and total playing time appear.
 8. To stop play, press the ■ button once. The total number of tracks and total playing time appear.
- To turn the power off, press the ■ button once again.

Skip play

To skip to track 6 while track 3 is playing, press the ►► button repeatedly until "06" appears on the display.

To skip back to track 3 while track 6 is playing, press the ◀◀ button repeatedly until "03" appears.

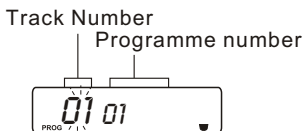
Search (forward/reverse)

If the ►► or ◀◀ button is pressed during play, the player will search at high speed in the forward or reverse direction while the button is being pressed. When the button is released, normal play will continue.

PROGRAMMED PLAY

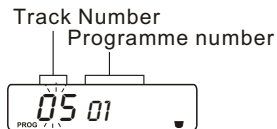
Up to 20 tracks on a disc can be programmed for play in any order.

1. Press the PROG button during stop.

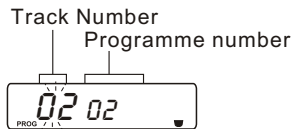


The track number and programmed number are displayed.

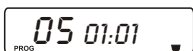
2. Press the ►► or ◀◀ button to select a track.



3. Press the PROG button.



4. Repeat steps 2 and 3 to programmed tracks.
5. To check the programmed contents after all tracks have been programmed, press the PROG button repeatedly. The programmed track numbers sequentially appear on the display.
6. Press the ►|| button to start programmed play.



- To cancel programmed play, press the ■ button twice.

Changing a programmed

To add a new track to a programmed:

1. In the stop mode, press the PROG button repeatedly until " ^{PROG}00 " is displayed.
2. Select a track as explained above.
3. Press the PROG button.

To change a track:

1. In the stop mode, press the PROG button repeatedly until the track number to be replaced is displayed.
2. Select a track as explained above.
3. Press the PROG button.

Note:

Programmed details cannot be partially deleted or inserted.

INTROSCAN

1. Press the MODE button three times during stop. "INT" appears.
2. Press the ►|| button. The first 10 seconds of each track on a disc are played from the first track.
3. When the desired track is playing, press the MODE button twice. Normal play continues.

SHUFF PLAY

1. Press the MODE button four times during stop. "SHUFF" appears.
 2. Press the ►|| button. All tracks on the disc are played in shuffle order.
- To cancel shuffle play, press the MODE button once.

CLEANING

Cleaning the pickup lens

Dust on the pickup lens can lead to erratic operation and interruption of the sound during play.

- To clean the pickup lens, open the disc compartment lid. Blow the dust off of the lens using a camera lens blower (available at most camera stores) (Fig.9).
- Do not touch the surface of the lens.

Cleaning the cabinet

Use a soft cloth moistened with plain lukewarm water and wrung dry. Never use benzol, benzene or other strong chemical cleaners.

SPECIFICATIONS

Channels:	2 channels
S/N ratio:	60dB
Wow and flutter:	undetectable
Sampling frequency:	44.1 kHz
Pickup light source:	Semiconductor laser
Pickup wave length:	790 nm
Laser output:	0.5 mW (continuous wave max.)
Terminal impedance:	PHONES: 16-32 ohms
Power source:	DC: 4.5V (AC adaptor) DC: 3V (R6/AAx 2) 2.4V (Ni-Cd battery NBP-50B or R6/AAx 2)
Dimensions:	128 x 28.5 x 137 mm (W x H x D)
Weight:	Approx. 200 g (without batteries)

Specifications subject to change without notice.

SANYO

SANYO ELECTRIC CO.,LTD.
OSAKA JAPAN