

PHILIPS

DCC 134 Digital Compact Cassette Player



Inventor of CD and DCC
DIGITAL
DCC
COMPACT CASSETTE
COMPACT
disc
DIGITAL AUDIO
Product from Philips

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(D) Deutschland

Hiermit wird bescheinigt, daß dieses Gerät in Übereinstimmung mit den Bestimmungen der Amtsblattverfügung 1046/1984 funktentstört ist. Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

(N) Norge

Typeskilt finnes på apparatens underside.

(MEX) México

NOM



NOM

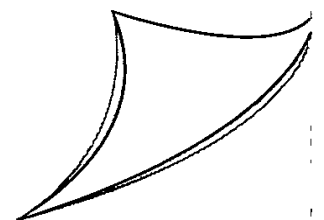
Es necesario que lea cuidadosamente su instructivo de manejo.

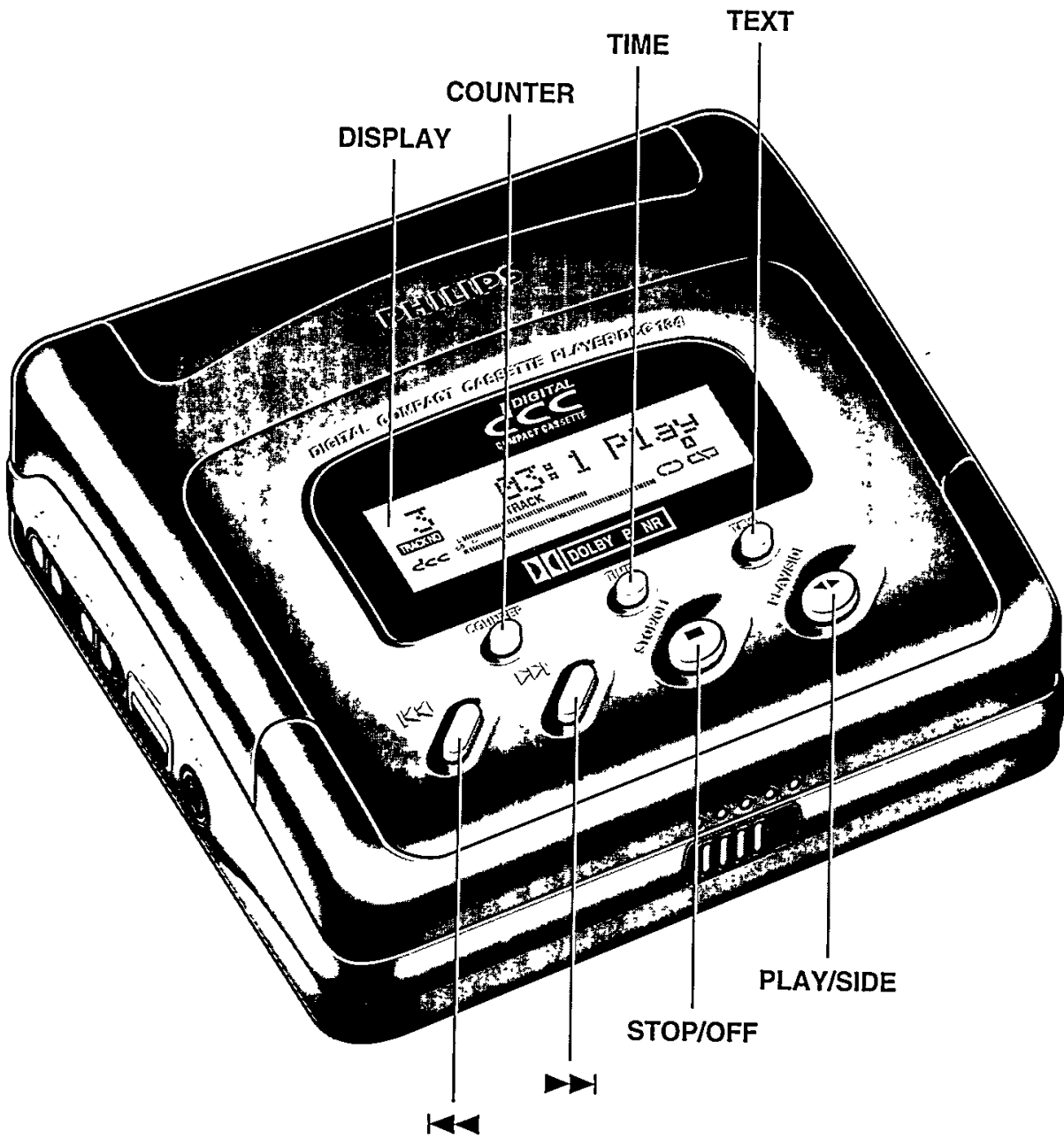
(AUS) Australia

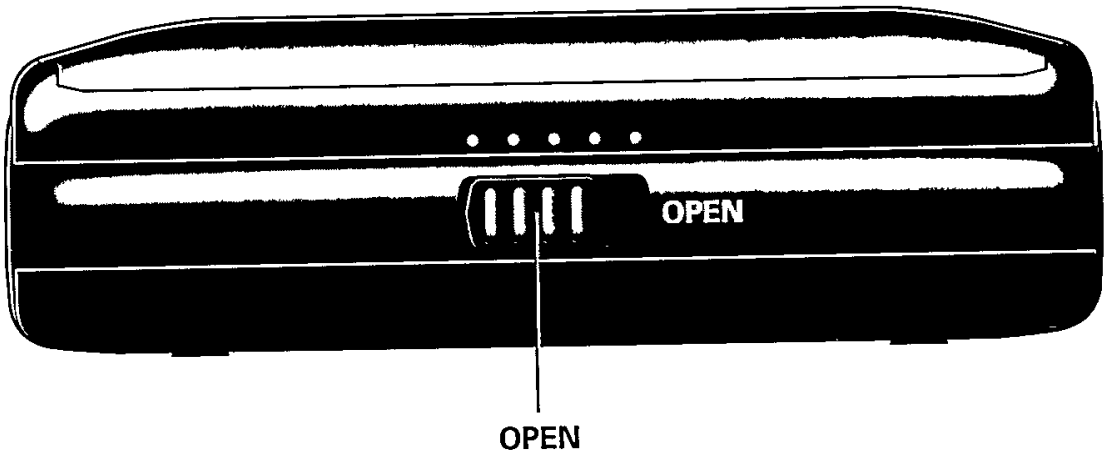
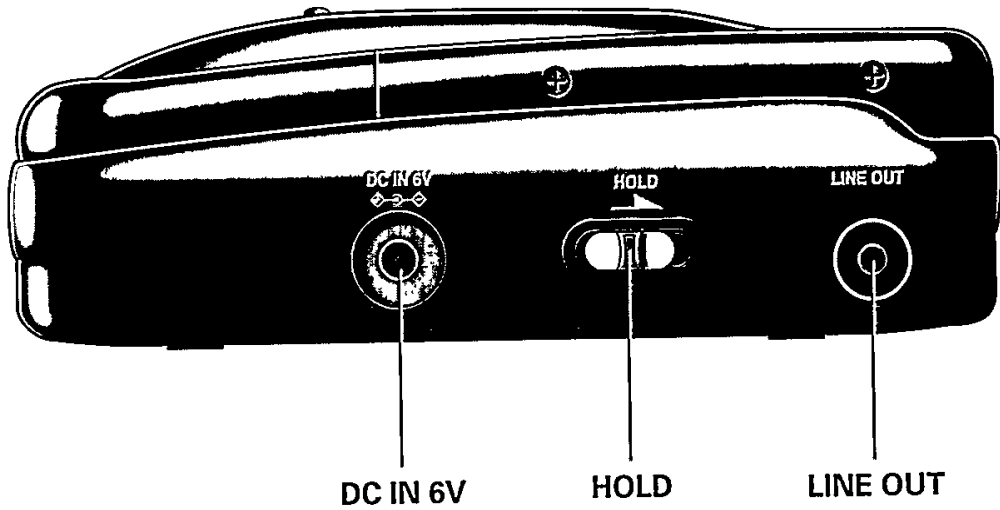
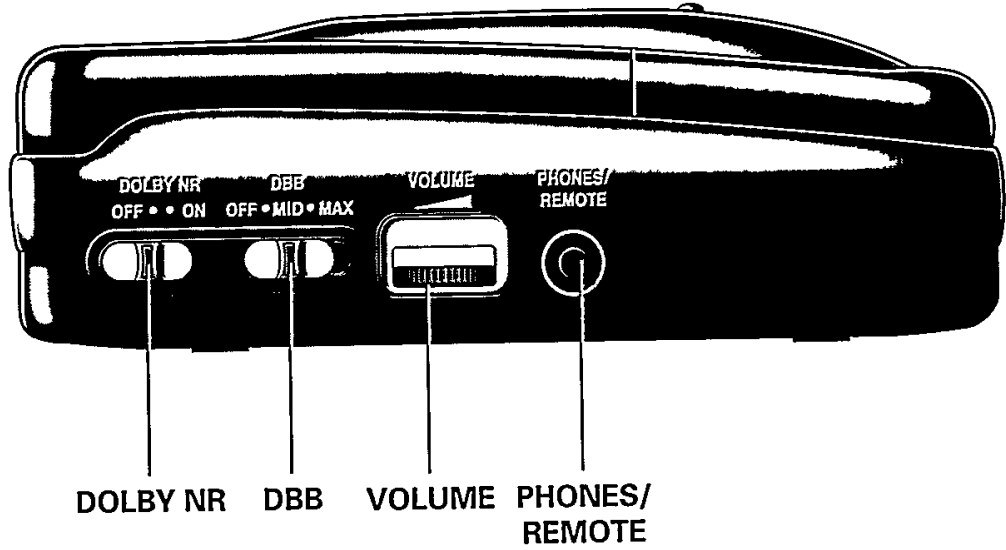
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Philips has now further developed the music cassette - and the result is the DCC. DCC (Digital Compact Cassette) fills the large gap between the music cassette and the compact disc. DCC plays music digitally on a new design, new style audio cassette. It produces digital sound of high dynamic range and Compact Disc quality. The high sound quality is guaranteed by sophisticated CIRC error correction circuitry and PASC coding.

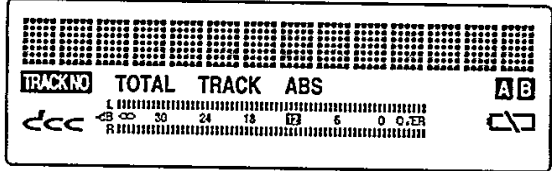

Please read the operation instructions carefully to be able to enjoy the troublefree operation of the DCC134 for a long time.

The type plate is located on the base of the set.

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CONTROLS (illustration on page 3)

COUNTER	to select the tape counter to be shown on the display and to reset the tape counter to '0000'.	DISPLAY	
TIME	for selecting the different time modes to be shown on the display: absolute time, track time, total time and total remaining time. Press to scroll through the different modes	DCC	lights up when a DCC cassette is loaded
TEXT	for selecting text information to be shown on the display. Keep this key pressed to scroll the track title. Press this key briefly to scroll the album title and the artist Only functional for prerecorded Digital Compact Cassettes	TRACK NO.	indicates the current track number (only when using DCC cassettes)
STOP/OFF ■	to stop the tape transport. in stop mode: to turn off the power in power off mode: to start charging the battery	TOTAL	lights up when the total time mode or total remaining time mode is selected (only when using DCC cassettes)
PLAY/SIDE ◀▶	for starting playback and for changing the playback side of the tape	TRACK	lights up when the track time mode is selected (only when using DCC cassettes)
▶▶▶	in stop mode: to advance the tape forward during playback: to skip to the next track. If you press this button several times, the forward step increases by one music track for each depression of the button	ABS	lights up when the absolute time mode is selected (only when using DCC cassettes)
◀◀◀	in stop mode: to rewind the tape during playback: to skip to the start of the current track. If you press this button several times, the backward step increases by one music track for each depression of the button	B	lights up during playback of side B of a DCC cassette and starts blinking during the search/skip mode on side B.
		A	lights up during playback of side A of a DCC cassette and starts blinking during the search/skip mode on side A.
			starts blinking when the battery runs down.
		Multi function Level Meter	- indicates the peak level. (only when using DCC cassettes) - indicates the winding direction and current position during search.

LEFT SIDE OF THE PLAYER

DOLBY NR for switching the Dolby B Noise Reduction system on and off. Only functional when you are using a conventional analog compact cassette

Dolby Noise Reduction manufactured under license from Dolby Laboratories Licensing Corporation. 'DOLBY and the double D symbol' are trademarks of Dolby Laboratories Licensing Corporation.



DBB Dynamic Bass Boost - to enhance the bass response:
OFF = DBB off (no bass boost)
MID = low bass boost
MAX = high bass boost
 The DBB-effect decreases as you raise the volume.
 The DBB-selector does not affect the output signal of the LINE OUT socket.

PHONES/REMOTE socket for supplied remote control with headphones.

VOLUME for adjusting the volume
 The VOLUME control does not affect the output signal of the LINE OUT socket.

RIGHT SIDE OF THE PLAYER

DC IN 6V socket for external power supply 6V DC

HOLD  when this switch is in the  position, the DCC player buttons are inoperative (the remote-control buttons can still be operated).

LINE OUT connection socket for DCC reproduction through your stereo system.

FRONT SIDE OF THE PLAYER

OPEN to open the cassette compartment

REMOTE CONTROL

This remote control to be connected to the headphone cord gives easy control of volume and track access.

The buttons on the remote control have the same function as the ones on the DCC player.

■ STOP/OFF

- to stop the tape transport
- **in stop mode:** to turn off the power
- **in power off mode:** to start charging the battery

◀ ▶ PLAY/SIDE

- for starting playback and for changing the playback side of the tape

F ▶▶▶

- **in stop mode:** to advance the tape forward
- **during playback:** to skip to the next track. If you press this button several times, the forward step increases by one music track for each depression of the button

◀◀ R

- **in stop mode:** to rewind the tape
- **during playback:** to skip to the start of the current track. If you press this button several times, the backward step increases by one music track for each depression of the button

Note: 99 tracks can be skipped in forward or reverse direction.

HOLD button

This button can be used to switch the HOLD function of the remote control on and off. This button acts independently from the HOLD switch on the DCC player.

VOLUME control

Use this control to adjust the volume. When you wish to adjust the volume via the remote control, set the volume control on the DCC player to position 5, 6 or 7.

Note: the volume cannot be turned down completely if you adjust the volume with the remote control unit.

The DCC player comes with a mains adapter and rechargeable battery. This makes your DCC player portable whenever possible, however, use the supplied mains adapter if you want to conserve battery life.

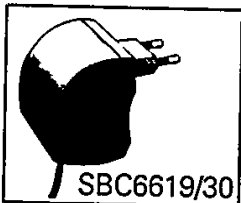
MAINS ADAPTER, TYPE SBC6619

Use only the enclosed mains adapter, supplying 6 V DC with the pluspole \diamond to the center pin \diamond \rightarrow \diamond . Serious damage may occur if another adapter is used.

Make sure that the mains voltage of your mains adapter corresponds to the voltage of the country in which the DCC player is used. This should be borne in mind when you travel to another country.

The mains adapter SBC6619 is supplied in several versions:

USA/CANADA	SBC6619/47	120V, 60Hz
EUROPE	SBC6619/30	220-230V, 50Hz
U.K.	SBC6619/35	240V, 50Hz
AUSTRALIA/ NEW ZEALAND	SBC6619/40	230-240V, 50 Hz
OTHER COUNTRIES	SBC6619/31	120/230V, 50/60Hz



SBC6619/30

To supply the DCC player from the mains connect the mains adapter to the 6V DC socket and to the wall socket.

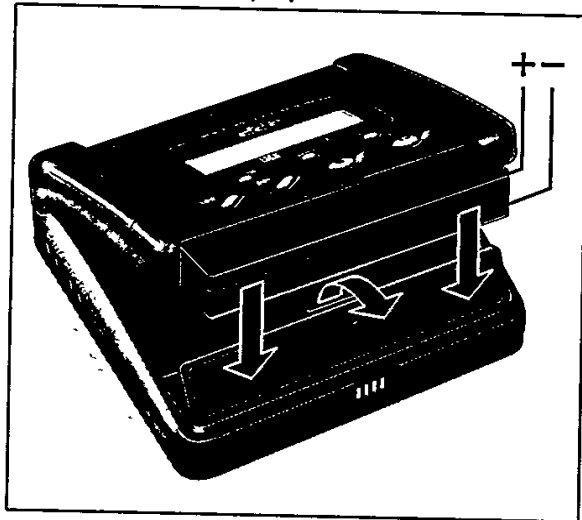
The battery supply is then switched off. After use,

always disconnect the adapter from the wall socket.

RECHARGEABLE BATTERY, TYPE SBC6434

This battery pack (when charged) allows the DCC 134 to play for two and a half hours.

- Open the battery compartment and insert the battery in the DCC player.




- Connect the mains adapter to the DCC player and to the wall socket as described before.
- Press **STOP/OFF** \blacksquare to start charging the battery. During charging the display will show:

Charging

- When the battery is ready to use the indication 'Charging' will disappear from the display. Disconnect the adapter from the wall socket.
- After charging you can unplug the mains adapter and operate the DCC player with the charged battery.

Notes:

- If the rechargeable battery is new or has not been used for a long period, it may need several charging cycles to become fully charged.
- When the battery is exhausted, the DCC player no longer functions and the battery indicator  blinks. Recharge the battery.
- After having been recharged about 500 times, the battery pack can no longer provide the required power. You should take it to your dealer or dispose of it at the nearest used battery collection point. A new battery pack can be obtained from your dealer.

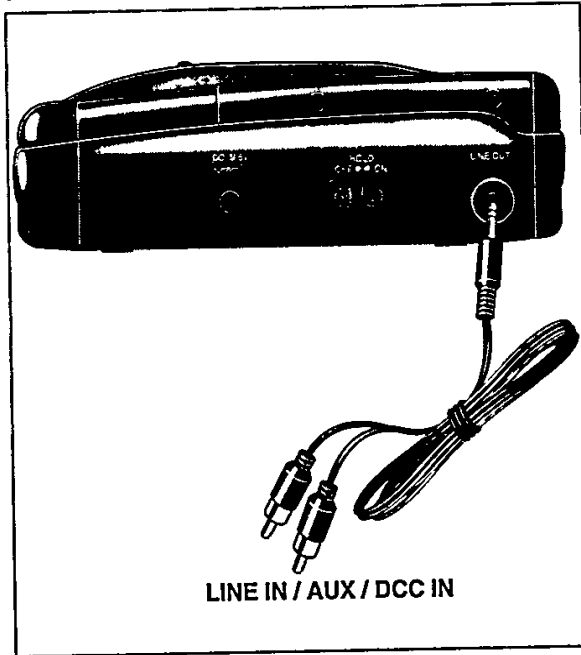
English

PHONES/REMOTE

- When you are using the remote control, connect it to this socket. The plug of the in-ear phones SBC3179 can then be inserted in the PHONES socket of the remote control.
- When you are not using the remote control, you can connect the in-ear phones directly to the PHONES/REMOTE socket of the DCC player.

LINE OUT

- For DCC reproduction at home through your stereo system (amplifier, receiver, recorder, etc.), use the supplied signal lead to connect the socket LINE OUT to the input sockets LINE IN, AUX or DCC IN of the other set.
- Adjust the sound with the controls of the stereo system. The VOLUME control and the DBB selector of the DCC player do not affect the output signal of the LINE OUT socket.

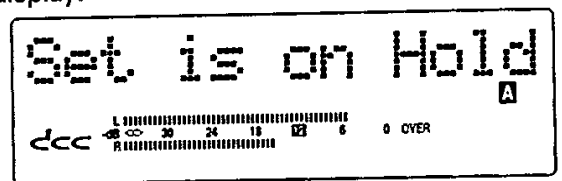


POWER ON/OFF

- The DCC player can be turned on by pushing one of the following buttons: PLAY/SIDE ◀ ▶, ◀◀, ▶▶, on the player or on the remote control. The DCC player is activated and enters the mode of the button that was pushed. **Note:** If no tape is loaded the set will not be activated.
- The DCC player will be switched off:
 - when you push the STOP/OFF ■ button again while the player already was in the stop mode.
 - when you fail to push any operating button within 3 minutes after the DCC player has entered the stop mode.
 The following information will be kept in the memory: present track number, time information and the tape travel direction.
 - The DCC player will also be switched off when you open the cassette compartment with the OPEN switch. In this case the memory will be cleared.

HOLD

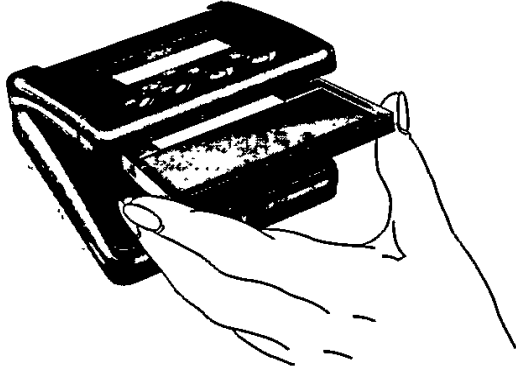
- When carrying the player with you, you can slide the HOLD switch to the ON position. The DCC player buttons are then inoperative (not the remote control buttons). The playing of a cassette will now not be interrupted when a button is accidentally touched.
- When the DCC operating buttons are pressed while the HOLD switch is in position ON, the following information will blink (3x) on the display:



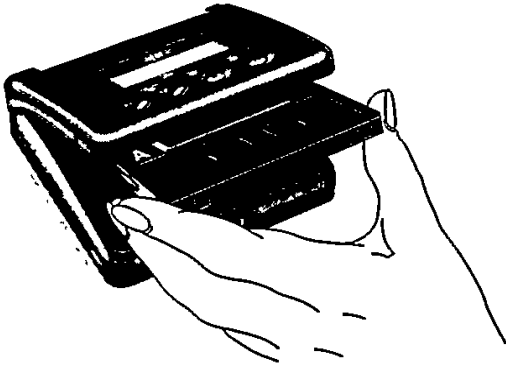
Then, the display will go back to showing the previous information.

LOADING A CASSETTE

- Open the cassette compartment with the OPEN switch.
- Insert a DCC cassette with the printed side up and the protective slider pointed to the compartment.



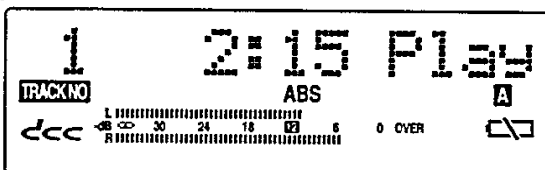
- When using a conventional analog cassette, insert it as shown below.



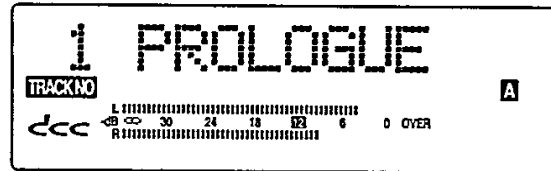
- Close the cassette compartment.

PLAYING A DCC CASSETTE

- Make sure the HOLD function is switched OFF, otherwise the DCC player buttons will not operate.
- Connect the (remote and the) in-ear phones to the PHONES/REMOTE socket.
- Open the cassette compartment with the OPEN switch.
- Insert a cassette and close the compartment.
- Adjust the volume using the VOLUME control and the bass sound using the DBB selector.
- Start playback by pressing PLAY/SIDE ◀ ▶. As soon as playback starts, the display shows the corresponding track number and the absolute elapsed time (the time which has elapsed from the start of the tape until the present playback position).



In case you are using a prerecorded DCC cassette, the display will automatically show the track title after the text information on the tape has been read.



Side A and B of the cassette will be played back continuously (up to a maximum of 12 cassette sides).

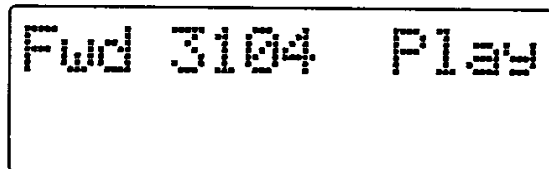
- To stop playback, press STOP/OFF ■.
- The DCC player also stops:
 - when the cassette compartment is opened.
 - if the battery runs down or if the power supply is interrupted in another way.
 - when the player has played back 12 cassette sides of the same cassette.
- Open the cassette compartment only when the DCC player is in the STOP position.
- To switch off the DCC player immediately, press STOP/OFF ■ a second time.
- In the STOP position, the DCC player shuts down automatically 3 minutes after the last command.

Remarks:

- If the battery has run down, the DCC player will not function normally. For example, it will not start. Recharge the battery or use the mains adapter.

PLAYING AN ANALOG CASSETTE

- If you want to playback an analog cassette, follow the instructions above. The player distinguishes metal/CrO₂ tapes and normal tapes automatically. Use the DOLBY NR selector to switch the Dolby Noise Reduction System on or off. As soon as playback starts, the display will show the tape counter. The level meter will not be indicated on the display.

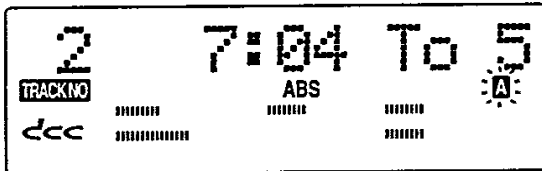


The **◀◀** and **▶▶** buttons can be used to search for a passage or a particular track on the tape.

PREVIOUS/NEXT TRACK SEARCH

- When you use the **◀◀** and **▶▶** buttons *during playback*, you can search for a particular track on the tape.
 - Press **◀◀** to search for the beginning of the current track.
 - Press **▶▶** to search for a track next to the current track.
 - If you press these buttons several times, the forward or backward step increases by one music track for each depression of the buttons.
 - When the deck reaches the selected track playback will be continued automatically.
- Note:** During the search, the audio signal will be muted.
- In case you are using a DCC cassette the tracks on the tape are recognized by the player each time a next start marker is detected
 - When you are using an analog cassette the tracks on the tape must be separated by a silent passage of at least 4 seconds.
 - When the end of side B is reached during next track search (**▶▶**), the player will enter the Stop mode.
 - When the beginning of side A is reached during previous track search (**◀◀**), the player will also enter the Stop mode.

During next track search the display will show for instance:



- When you are using a user-recorded DCC cassette or a conventional analog cassette, the display will show the forward or backward steps.

BEEP TONE

When you are pressing a button or when the unit is performing an operation, a beep tone will be heard to let you know which operation is being performed:

Operation	Beep tone pattern
Side A (Fwd) starts playback	-
Side B (Rev) starts playback	--
Stop	■
Power off	----■
Fast forward wind	■
Fast rewind	■ ■
Next track search	---, ---, ...
Previous track search	---, ---, ...

- = high tone
 ■ = low tone

TITLE SEARCH

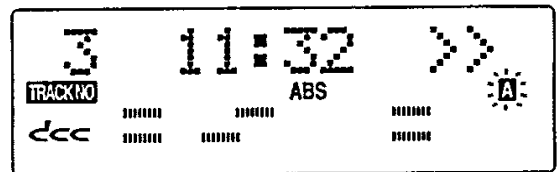
If you have selected the text mode (with the TEXT button), the title of the selected track (up to 24 tracks) will be shown on the display during previous or next track search.

Note: Title search is only functional when you are using prerecorded DCC cassettes.

SEARCHING FOR A PASSAGE

- When you use the **◀◀** and **▶▶** buttons while the player is in the *stop mode*, you can search for a passage on the tape.
- Press **▶▶** to search in the tape travel direction (forward).
- Press **◀◀** to search in the opposite direction in which the tape is travelling (backward).
- The winding will continue until you press PLAY/SIDE ◀ ▶ or STOP/OFF ■.

During search the display will show for instance:



REVERSING THE PLAYING DIRECTION

- You can reverse the tape travel direction by pressing PLAY/SIDE ◀ ▶ during playback. The selected side for DCC cassettes is indicated on the display as **A** or **B**. The selected side for conventional analog cassettes is indicated on the display as **FWD** or **REV**.
- When you press this button, the playing direction will be reversed and playback will be continued on the other side of the tape.

Notes:

During search the meter indicates the tape running direction and the position on the current tape side.

- The upper meter indicates the tape running direction.
 Forward: '-' will be moving from left to right.
 Backward: '-' will be moving from right to left.
- The lower meter indicates the approximate position of the current tape side (in six steps)
 Beginning: '-' is shown at the left end of the display
 End: '-' is shown at the right end of the display

Remark: for some analog cassettes, the meter is not able to indicate the correct tape position.

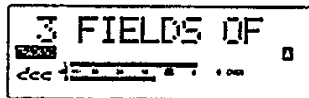
DISPLAYING TEXT INFORMATION

The TEXT button is only functional when you are using prerecorded DCC cassettes.

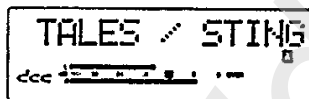
The TEXT function calls up information from the DCC to be shown on the display.

- When you press the TEXT button, the track number and the title of the current track will be displayed. Then the total title of this track will once scroll on the display from right to left.
- If you now shortly press the TEXT button, the album title and the name of the artist will once be scrolled on the display. Then the display will show the previous information again.
- If you press the TEXT button for more than 0.5 seconds the total track title will once be scrolled on the display from right to left. Then the display will show the previous information again.

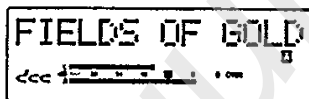
track number
+ title:



< 0.5 seconds
album title
+ artist:



> 0.5 seconds
track title:

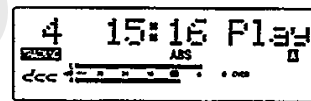


DISPLAYING TIME INFORMATION

Normally the display shows the absolute elapsed playing time.

- When you press the TIME button the display will show the elapsed playing time of the current track.
- Press the TIME button again to display the remaining time on the tape.
- Press the TIME button again to display the total time.
- Press the TIME button once more if you wish to indicate the absolute elapsed playing time again.

Absolute time:



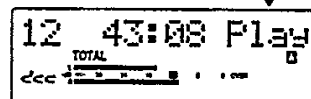
Elapsed track
time:



Remaining time:
(prerecorded
DCC cassettes
only)



Total time:
(prerecorded
DCC cassettes
only)



Calling up time information is not possible when conventional analog cassettes are used. In this case the display will always show the counter setting.

COUNTER

When you press the COUNTER button the display will show the counter setting.

By pressing the COUNTER button again the tape counter will be set to 0000.

Note: When the backside of the tape is being played, the tape counter will count down.

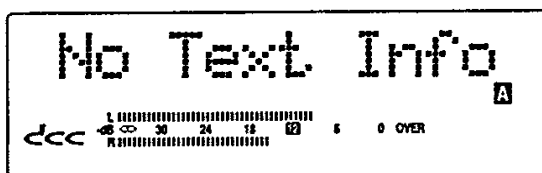
TROUBLESHOOTING

English

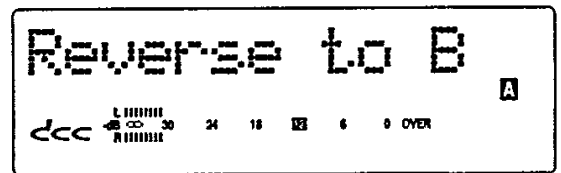
Check the following points if you are having some difficulty with your DCC player. If the trouble persists even after the remedial action has been taken or if the symptoms are not included in the table, consult the dealer where you purchased the unit.

SYMPTOM	POSSIBLE CAUSE	REMEDY
<p>Both DCC cassettes and analog cassettes</p> <ul style="list-style-type: none"> - No recharging - No operation - Broken/intermittent playback sound 	<ul style="list-style-type: none"> - The mains adapter has not been connected properly - The unit is still in the HOLD mode. - The mains adapter has not been connected properly - The rechargeable battery has run down - The head section is dirty. - The tape is old. 	<ul style="list-style-type: none"> - Connect the mains adapter properly. - Switch the HOLD mode off. - Connect the mains adapter properly. - Recharge the battery. - Clean the head section. - Use a new tape.
<p>DCC cassettes</p> <ul style="list-style-type: none"> - Track number or elapsed play time is not displayed correctly. 	<ul style="list-style-type: none"> - The cassette has been loaded in the middle of one of the tracks. 	<ul style="list-style-type: none"> - Rewind the tape to the start of the track and start playback.
<p>Analog cassettes</p> <ul style="list-style-type: none"> - Poor sound quality during playback. 	<ul style="list-style-type: none"> - The Dolby NR switch has not been set correctly. 	<ul style="list-style-type: none"> - Set the knob to the position corresponding to the tape.

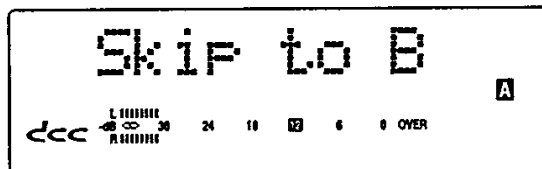
DISPLAY MESSAGES



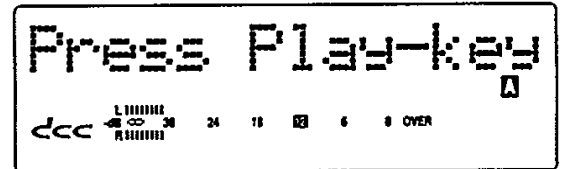
- This indicates that the DCC tape does not contain text information. The display will go back to showing the previous information.



- Playback of side A is finished. The tape will automatically reverse to side B and playback will be continued.



- Playback of side A is finished. The tape will automatically be wound forward to the first track on side B and playback will be continued.



- TEXT information cannot be read when the player is in the stop mode. Press the PLAY/SIDE ◀▶ key to start playback.

- Do not leave the unit for any length of time in direct sunlight or other places where high temperatures can occur, such as in the vicinity of heating apparatus.
- Do not expose the equipment to humidity or rain.
- A chamois leather cloth slightly moistened with water is sufficient for cleaning the player.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.

CLEANING CASSETTES

- In principle there is no need to clean the head of your DCC player when you use only DCC cassettes.
The use of conventional compact cassettes of inferior quality may leave dirt on the DCC head. This can affect the sound quality of DCC cassettes (sound is being interrupted).
- Special DCC cleaning-cassettes are available to clean the DCC head.
- It is strongly advised not to use conventional compact cleaning cassettes as they will not clean the DCC head good enough.

USE YOUR HEAD WHEN USING HEADPHONES

Hearing safety

- Do not play your headphones at a high volume. Hearing experts advise that continuous use at high volume can permanently damage hearing.

Traffic safety

- Do not use headphones while driving a vehicle. It may create a traffic hazard and it is illegal in many countries. Even if your headphones are open-air type designed to let you hear outside sounds, do not turn up the volume so high that you cannot hear what is going on around you.

CARRYING CASE

The carrying case can be fixed to a belt. To prevent the DCC player from falling out make sure that the open side (flap) is faced up.

RADIO INTERFERENCE SUPPRESSION

This DCC player complies with the radio interference requirements as laid down in European Community regulations

TECHNICAL SPECIFICATIONS

These specifications are subject to change without notice

DIGITAL SIGNAL FORMAT:

Tape recording system Digital Compact Cassette
 Sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz
 (selected automatically)
 No. of quantizing bits: 16 bits linear
 Coding format PASC
 No. of channels: 2 channel stereo

AUDIO PERFORMANCE:

DCC

Frequency response:
 fs:44.1 kHz 20 Hz -20 kHz +0.5/-1.5 dB
 fs:48 kHz 20 Hz - 22 kHz +0.5/-1.5 dB
 fs:32 kHz 20 Hz - 14.5 kHz +0.5/-1.5 dB
 S/N ratio > 90 dB
 Dynamic range: > 90 dB
 Wow and flutter Quartz crystal precision

Compact cassette

Track format: 4 track 2 channel stereo
 Frequency range: 20 Hz - 18 kHz
 S/N ratio (CrO₂): > 50 dB

TERMINALS

Line output (fixed): 3.5 mm jack
 output level: 1.0 V (50 kOhm)
 Phones output: 3.5 mm jack
 max. output power: 10 mW + 10 mW (16 Ohm)
 DC input: 6.0 V

POWER REQUIREMENTS

Battery	Ni-Cd rechargeable battery:	
Playback time	Approx. 2.5 hours	
Recharging time	Approx. 3 hours	
External:	mains adapter	
USA/Canada	SBC6619/47	120V, 60Hz
Europe	SBC6619/30	220-230V, 50Hz
U.K.	SBC6619/35	240V, 50Hz
Australia/ New Zealand	SBC6619/40	230-240V, 50 Hz
Other countries	SBC6619/31	120/230V, 50/60Hz

MISCELLANEOUS

Mechanism	
Head:	18 ch thin-film head
Motor:	Brushless motor
Tape speed	4,76 cm/sec.

GENERAL

Dimensions (w x h x d): 111.6 x 32.4 x 99.8 mm
 Weight (incl. rechargeable battery): 390 gr.

ACCESSORIES

In-ear phones	SBC3179
Remote control	SBC6234
Rechargeable battery:	SBC6434
Mains adapter:	
Carrying case	
Hifi connection cable	

Guarantee and Service valid for Australia

The benefits given to the purchaser by this warranty are in addition to all other rights and remedies, which, under the Trade Practices Act or other Commonwealth or State law, the purchaser or owner has in respect of the product.

The Philips product carries the following warranties:

- C-series HiFi-systems 12 months.
- Compact Disc Players: 12 months.
- Home Audio Systems: 6 months.
- Clock radios, portable radios, cassette recorders, cassette players and radio recorders: 90 days.

Any defect in materials or workmanship occurring within the specified period from the date of delivery, will be rectified free of charge by the retailer from whom this product was purchased.

Note: Please retain your purchase docket to assist prompt service.

Conditions of this warranty

1. All claims for warranty service must be made to the retailer from whom this product was purchased. All transport charges incurred in connection with warranty service or replacement will be paid by the purchaser.
2. These warranties do not cover batteries and extend only to defects in materials or workmanship occurring under normal use of the product where operated in accordance with our instructions.

Philips Consumer Products Division
Technology Park
Figtree Drive, Australia Centre
Homebush 2140
New South Wales

Guarantee and Service for New Zealand

Thank-you for purchasing this quality Philips product. Philips New Zealand Ltd guarantees this product against defective components and faulty workmanship for a period of 12 months. Any defect in materials or workmanship occurring within 12 months from the date of purchase subject to the following conditions will be rectified free of charge by the retailer from whom this product was purchased.

Conditions

1. The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.
2. The guarantee applies only to faults caused by defective components, or faulty workmanship on the part of the manufacturer.
3. The guarantee does not cover failures caused by misuse, neglect, normal wear and tear, accidental breakage, use on the incorrect voltage, use contrary to operating instructions, or unauthorised modification to the product or repair by an unauthorised technician.
4. Reasonable evidence (in the form of a sales docket) must be supplied to indicate that the product was purchased no more than 12 months prior to the date of your claim.
5. In the event of a failure, Philips shall be under no liability for any injury, or any loss or damage caused to property or products other than the product under guarantee.

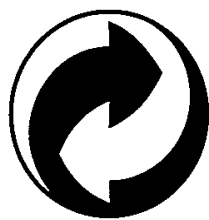
This guarantee does not prejudice your rights under common law and statute, and is in addition to the normal responsibilities of the retailer and Philips.

How to claim

Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product. However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

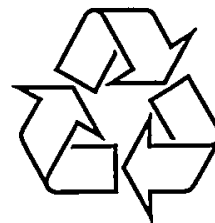
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Printed in Japan

94/03 SK



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