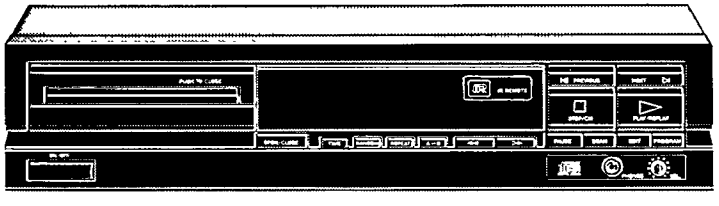
CONSUMER ELECTRONICS

PHILIPS



CD 614

Compact Disc Player

Lecteur de Disques Compacts

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This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

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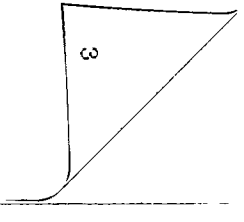
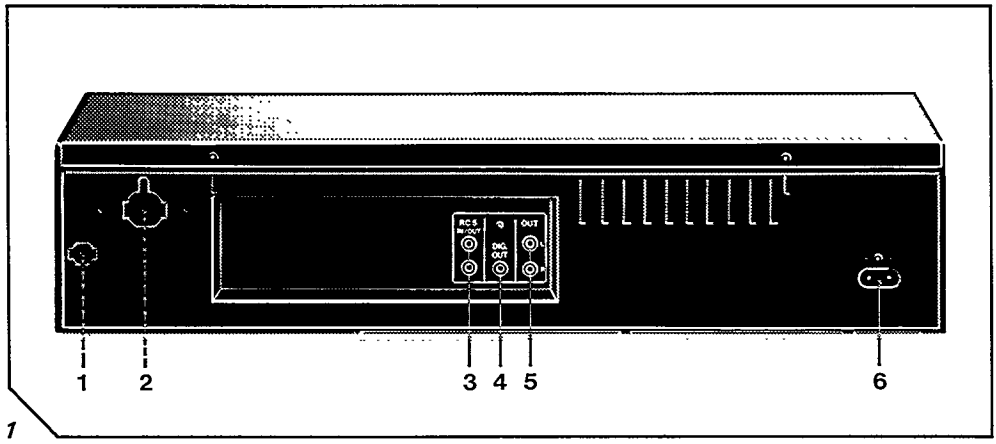
Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

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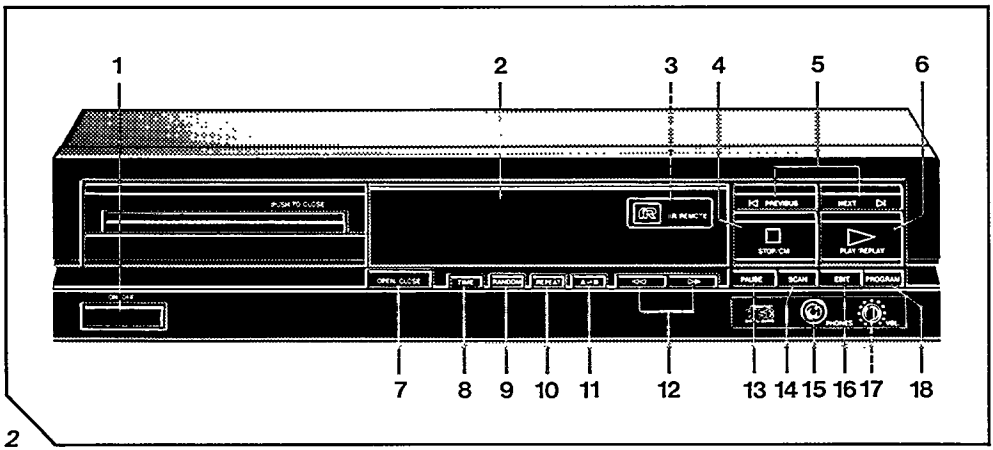
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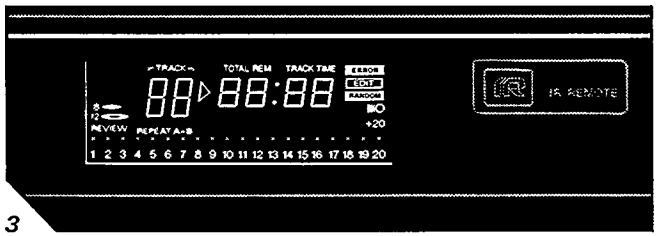
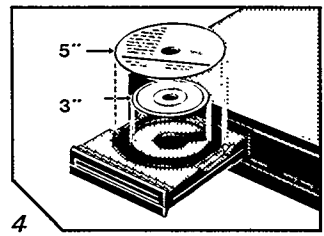
IR REMOTE
STOP/CM
PLAY/REPLAY
PAUSE
SCAN
EDIT
PROGRAM

2


TRACK
TOTAL REM
TRACK TIME
ERROR
EDIT
RANDOM
REVIEW
REPEAT A-B
+20
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
IR REMOTE

3


5"
3"

4

English

INSTALLATION

POWER SUPPLY SETTING

- Check that the type plate on the rear of your player indicates the correct power voltage.
- If not, consult your dealer.

Certain versions of this player are equipped with a voltage selector (2), which enables you to set the player to the correct power voltage yourself. When changing the voltage setting, it is also necessary to change the fuse to one of the correct rating: 200 mA for 110/127 V and 100 mA for 220/240 V.

CONNECTIONS *(Fig. 1)*

1 Fuse holder *(not all versions)*
See 'Power supply setting'.

2 Voltage selector *(not all versions)*
See 'Power supply setting'.

3 RC5 IN/OUT
Use these jacks for connecting the player to a PHILIPS HiFi system with compatible RC5 IN/OUT jacks.

4 DIG(ITAL) OUT
For digital signal processing or future applications such as CD-I. This output supplies a digital signal and can therefore only be connected to an input which is suitable for this signal.
Never connect this jack to a non-digital input of an amplifier, such as AUX, CD, TAPE, PHONO, etc!

5 OUT L/R
For connecting to the amplifier.
- Insert a red plug into the 'R' jack and the other plug into the 'L' jack.
- Insert the two other plugs into the corresponding jacks of the CD or AUX input of your amplifier. You can also use the TUNER or TAPE IN connection, but ***never*** the PHONO input!

6 Inlet for the power cord

OPERATION

FRONT OF PLAYER *(Fig. 2)*

1 ON/OFF
Switching on and off.

2 DISPLAY
Informs you about the functioning of the player.

3 IR REMOTE
Receives the signals from the remote control.

4 STOP/CM
- Stopping play.
- Erasing a program ('CM' = 'Clear Memory').

5 PREVIOUS and **NEXT**
- Selecting the recording time when making a tape recording (EDIT).
- Selecting another track during play.
- Selecting a track to start play with.
- Selecting tracks when compiling a program. (PREVIOUS from high to low and NEXT from low to high.)

6 PLAY/REPLAY
- Starting play.
- Returning to the beginning of a track.

7 OPEN/CLOSE
Opening and closing the CD compartment.

8 TIME
For selecting the time information you want to see.

9 RANDOM
Playing in random order.

10 REPEAT
Repeating play.

11 A-B
Setting the starting and stopping point of a passage to be repeated.

12 ⏮ ⏭
Fast search for a passage; ⏮ backwards and ⏭ forwards.)

13 PAUSE
Interrupting play.

14 SCAN
Automatically playing the beginning of each track.

15 PHONES
For connection of headphones.

16 EDIT
Selecting EDIT mode to enter the recording time when making a tape recording.

17 VOL(UME)
For adjusting the volume when listening with headphones.

18 PROGRAM
- Storing tracks in a program.
- Erasing tracks from a program.
- Checking the program.

REMOTE CONTROL

- The life of the batteries of the remote control is around one year; for replacement only use batteries of the AAA type.
- ◁ TRACK ▷ = PREVIOUS and NEXT.
- ◁ SEARCH ▷ = ◁◁ ▷▷.
- Use the '1-0' digit keys, instead of PREVIOUS and NEXT, for ***direct*** selection of:
  the recording time when making a tape recording (EDIT);
  another track during play;
  a track to start play with;
  tracks when compiling a program.

  Two-figure numbers must be entered ***within 2 seconds!***

DISPLAY *(Fig. 3)*

'-- -- --' - Lights up when you switch the player on.
8 ⊂⊃ - Lights up when a 8-cm CD is inserted.
12 ⊂⊃ - Lights up when a 12-cm CD is inserted.
REVIEW - Lights up when you check a program.
TRACK
- Indicates the track number being played.
- Shows how many tracks there are on the CD.

REPEAT - Lights up when the entire CD or a program is repeated.
A-B - Lights up when a passage is repeated.
▷
- Lights during play.
- Flashes when play is interrupted (PAUSE).

TRACK TIME- Indicates the elapsed playing time of the track being played.
REM TRACK TIME - Indicates the remaining playing time of the track being played.
TOTAL REM TIME - Indicates the remaining playing time of a disc or a program.
TOTAL TIME - Indicates the total playing time of a disc or a program.
1-20 track number indicator - Shows the number of tracks on the CD.
+20 - Lights up when there are more than 20 tracks on the CD.
RANDOM - Lights up when the tracks are played in random order.
ERROR - Lights up if you:
- make an error in operating the player;
- try to start play when the CD is inserted with the printed side facing down, is not inserted at all or is damaged.

(((- Lights up when the player receives a command from the remote control.
EDIT - Lights up when the player is put in the EDIT mode.
'--' - Lights up when the first 10 seconds of each track are played (SCAN).

SWITCHING ON AND OFF (ON/OFF)

- Press ON/OFF to switch the player on.
- Press ON/OFF again to switch the player off.

PLAYBACK (PLAY/REPLAY)

- Open the CD compartment by pressing OPEN/CLOSE.
- Insert a CD in the CD compartment, ***printed side up (Fig. 4)***.
- Press PLAY/REPLAY.
- The CD compartment closes, ▷ and 8 ⊂⊃ or 12 ⊂⊃ light up and a moment later playback starts.
  You can also close the CD compartment by pressing its front; playback will then start automatically.
- The track number indicator shows how many tracks there are on the CD.
- The track being played is always shown under TRACK and its elapsed playing time is shown under TRACK TIME.
- Each time a track has been played, the corresponding number goes out on the number indicator.
- After the last track play stops.
- The display shows the number of tracks and the playing time of the CD (TOTAL TIME).

CALLING UP OTHER TIME INFORMATION (TIME)

- Press TIME whenever you want to know the remaining playing time of the track being played (REM TRACK TIME).
- Press TIME again if you wish to know the remaining playing time of the entire disc (TOTAL REM TIME).
- Press TIME again if you wish to return to the elapsed playing time indication (TRACK TIME).

GOING BACK TO THE BEGINNING OF A TRACK (PLAY/REPLAY)

- Press PLAY/REPLAY.
– The track starts again from the beginning.

SELECTING ANOTHER TRACK DURING PLAY (NEXT and PREVIOUS)

- Press NEXT or PREVIOUS until the desired track number appears under TRACK.
– The music stops and a moment later the selected track begins to play.

SEARCHING FOR A PASSAGE DURING PLAY (⏮ ⏭)

- Hold ⏮ down to search backwards.
- Hold ⏭ down to search forwards.

The searching speed is determined by how long a key is pressed:
– the first 2 seconds fairly slowly, with sound;
– then at maximum speed, with no sound.
If you reach the end of the last track of the CD and release ⏭, play will resume a few seconds before the end.

STARTING WITH A PARTICULAR TRACK (NEXT, PREVIOUS and PLAY/REPLAY)

- Close the CD compartment by pressing OPEN/CLOSE.
– The display shows the number of tracks and the playing time of the CD.
- Press NEXT or PREVIOUS until the required track number appears under TRACK.
- Now press PLAY/REPLAY ***within 8 seconds.***
– Play starts from the selected track.

PLAYING IN A RANDOM ORDER (RANDOM)

- Press RANDOM before or during play.
– RANDOM lights up.
– If the CD compartment was open it will now close.
– The tracks are now played in a random order.
- Press RANDOM again if you wish to revert to normal play.

If you press PREVIOUS, you will return to a track which has already been played.
If you press NEXT, you are selecting any other track.
If you press REPEAT, the tracks will be repeated in a different order each time.

SCANNING A CD (SCAN)

- Press SCAN before or during play.
– If the CD compartment was open, it will now close.
– '– –' lights up and the first 10 seconds of each track are played in turn.
- When the player reaches a track which you wish to hear in full, press SCAN again.

During scanning, the PREVIOUS and NEXT keys can be used.

INTERRUPTING PLAY (PAUSE)

- Press PAUSE.
– ▷ starts to flash.
- Press PAUSE again to restart.

REPEATING A PASSAGE (A-B)

- During play press A-B at the required starting point.
– A lights up.
- Press A-B again at the required stopping point.
– -B lights up.
– The passage between points A and B will now be replayed continuously.
- Press A-B again if you wish to return to normal play.

To find the starting and stopping points quickly, you can use the ⏮ ⏭ keys.

REPEATING A CD (REPEAT)

- Press REPEAT before or during play.
– REPEAT lights up and the CD will now be repeated again and again.
- Press REPEAT again to stop the REPEAT function.

STOPPING PLAY (STOP/CM or OPEN/CLOSE)

- Press STOP/CM if you merely wish to stop.
- Press OPEN/CLOSE if you wish to stop and take out the CD.

PROGRAMMING

You can store 20 tracks from each CD in any required sequence in a program. If you exceed the maximum of 20 tracks, ERROR lights up.

STORING A PROGRAM
(NEXT, PREVIOUS and PROGRAM)

- Close the CD compartment by pressing OPEN/ CLOSE.
- The display shows the number of tracks and the playing time of the CD.
- Press NEXT or PREVIOUS until the first track number you wish to program appears under TRACK.
- Now press PROGRAM ***within 8 seconds***.
- The playing time of the program will be shown under TOTAL TIME (for 2 seconds).
- After the number a *'P'* (for Program) will appear; the number has now been stored in the player's memory.
- Select the other track numbers required and store each track by pressing PROGRAM.
- The number indicator always shows which numbers have been stored.

STORING A PROGRAM USING SCAN
(SCAN and PROGRAM)

- Press SCAN before or during play.
- If the CD compartment was open, it will now close.
- '– –' lights up and the first 10 seconds of each track are played in turn.
- Press PROGRAM at each track you wish to include in the program.
- The player immediately starts to play the first 10 seconds of the next track.
- Press PLAY/REPLAY to play the program.

CHECKING THE PROGRAM (PROGRAM)

- Press PROGRAM before, during or after programmed play.
- REVIEW lights up and all the track numbers appear in the programmed sequence on the display.

PLAYING THE PROGRAM (PLAY/REPLAY)

- Press PLAY/REPLAY.
- Play begins with the first number of the program.

All keys can be used during programmed play (except EDIT).
Searching for a passage is limited to within the track being played.

ERASING A PROGRAM
(STOP/CM or OPEN/CLOSE)

- Press STOP/CM twice, or, if the CD has already stopped, just once; you can also press OPEN/ CLOSE straight away.
- The program has now been erased.

ERASING A TRACK FROM A PROGRAM
(NEXT, PREVIOUS and PROGRAM)

- Press NEXT or PREVIOUS, before or after programmed play (STOP mode), until the number you wish to erase appears under TRACK.
- Press PROGRAM ***within 8 seconds***.
- The number disappears from the display and from the number indicator; it has now been erased.

OTHER POSSIBILITIES

LISTENING WITH HEADPHONES (PHONES)

- Connect headphones with a 6.3 mm jack plug to the PHONES jack.
- The sound level is adjusted with the VOL(UME) control.

RECORDING FROM YOUR CD PLAYER (EDIT)

In the EDIT mode you can store the recording time of the tape in the player memory. This will then determine which tracks fit on one side of the tape and a pause will automatically be inserted after the last track.

- Press EDIT (in STOP mode).
- EDIT lights up.
- 90 lights up under TIME.
- With NEXT and PREVIOUS you can now select the required recording time: 46, 60 or 90 minutes.
- You can now record the entire CD or a program out of it; the program must be stored in advance.
- Press PLAY/REPLAY.
- The track number indicator shows which numbers fit onto side A of the tape; these numbers will be played one after the other.
- Play will stop after the last track.
- ▷ starts flashing.
- Turn the tape over.
- The track number indicator now indicates the tracks for side B.
- Press PAUSE.
- The remaining tracks will now be played.

NOTE!

- You can also start playback with RANDOM; the numbers will then be recorded in a random order.
- As soon as you press PLAY/REPLAY or RANDOM, the other player functions (except TIME and REVIEW) will temporarily be switched off to prevent the recording being interfered with.
- Should the CD or the program be longer than the ***total*** recording time of the tape, a pause will then again be inserted after the last track on side B. The track number indicator then shows the remaining unplayed track numbers.

ADDITIONAL INFORMATION

MAINTENANCE

The CDs

- Never write on the printed side of a CD.
- Do not attach any stickers to the CD.
- Keep the shiny surface of the CD clean. Use a soft lint-free cloth and always wipe the disc in a straight line from centre to edge.
- Never use cleaning agents for conventional records.
- Detergents or abrasive cleaning agents should not be used either.

The player

- A chamois leather slightly moistened with water is sufficient for cleaning the player.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.

PROBLEMS AND THEIR LIKELY CAUSES

If a problem occurs, run through the points listed below before taking your player in for repair. Check whether:

- condensation has formed on the lens of the laser due to a dramatic change in temperature; this will disappear automatically after some time;
- the CD has been inserted correctly with the printed side up and that there is a CD in the compartment;
- the CD is dirty, badly scratched or warped;
- the player has been connected to the PHONO jack of the amplifier.

If the problem remains, try to clear it by switching the player off and on again.
If this also fails to help, consult your dealer.
Under no circumstances should you repair the player yourself, as this will invalidate the guarantee!

TECHNICAL DATA

Typical Audio Performance
Frequency range: 20-20,000 Hz
Amplitude linearity: ±0.1 dB
Phase linearity: ±0.5° (20-20,000 Hz)
Dynamic range: >90 dB
Signal-to-noise ratio: >100 dB
Channel separation: 95 dB
Total harmonic distortion: 0.016%
D/A conversion: quadruple oversampling (176.4 kHz) with digital filter and two 16-bit D/A-converters
Audio output level: 2 V_{rms}
Impedance PHONES jack: 8-1000 ohms

Power supply
Power voltage and frequency: see the type plate on the rear of the player
Power consumption: 12 W approx.
Safety requirements: CSA

Cabinet
Material/finish: metal and polystyrene with decorative trim
Dimensions (w × h × d):
16 17/32″ × 3 3/8″ × 10 5/8″ (420 × 90 × 280 mm)
Weight: 8.82 lbs (4kg) approx.

Specifications are subject to change without notice

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