

PHILIPS



FC 911

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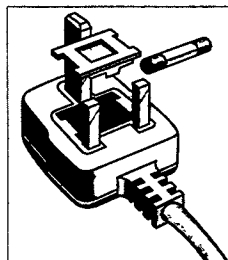
PHILIPS

Important notes for users in the U.K.:

Mains plug

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 5 AMP, A.S.T.A. or BSI approved type.
- 3 Refit the fuse cover.



If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 A.

Note:

The severed plug must be disposed to avoid a possible shock hazard should it be inserted into a 13 A socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured in accordance with the following code: blue = neutral (N), brown = live (L). As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- 1 Connect the blue wire to the terminal marked N or coloured blue or black.
- 2 Connect the brown wire to the terminal marked L or coloured brown or red.
- 3 Do not connect either wire to the earth terminal in the plug, marked E or ⏏ or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

If in doubt, consult a qualified electrician.

(MEX) Mexico NOM

Es necesario que lea cuidadosamente su instructivo de manejo.



NOM

(N) Norge

Typeskilt finnes bak på apparaten.

(GB) Englishpage 4 English

(F) Françaispage 10 Français

(D) DeutschSeite 16 Deutsch

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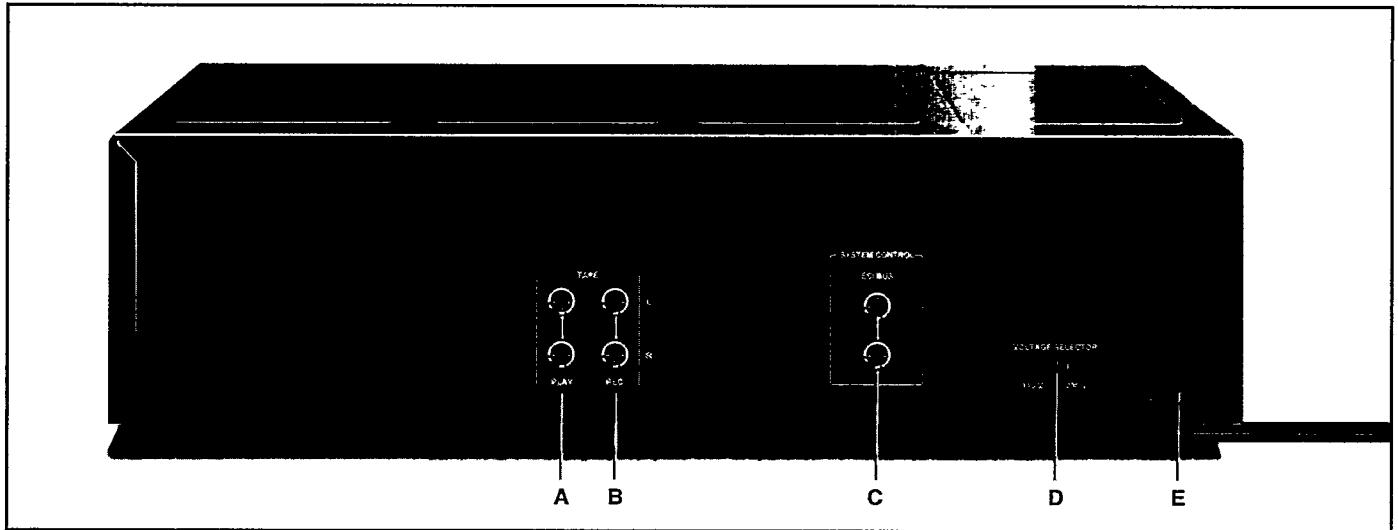
(E) Españolpágina 28 Español

(I) Italianopagina 34 Italiano

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Thank you for selecting the Philips FC911 Stereo Cassette Deck.

A cassette deck of the state-of-the-art Philips 900 series, the FC911 combines supreme recording and playback quality with a high degree of user-friendliness.

Record and playback quality are founded on solenoid electronic tape transports, supported by features such as:

- Double autoreverse tape transports
- Dolby B/C noise reduction;
- CD synchro dubbing facility;
- Electronic counter;
- ESI-BUS sockets for full integration into ESI remote-controlled Philips HiFi systems (900 series).

Please read this manual carefully **before** you attempt to connect or operate the cassette deck.

This manual is divided into five sections:

- **Installation:** explains how to connect your cassette deck.
- **Operation:** explains how to use the major controls.
- **Advanced Options:** gives more detailed information on operation, including special features.
- **System Aspects:** explains the Enhanced System Intelligence feature and its benefits.
- **General Information:** includes maintenance information and technical data.

WARNING

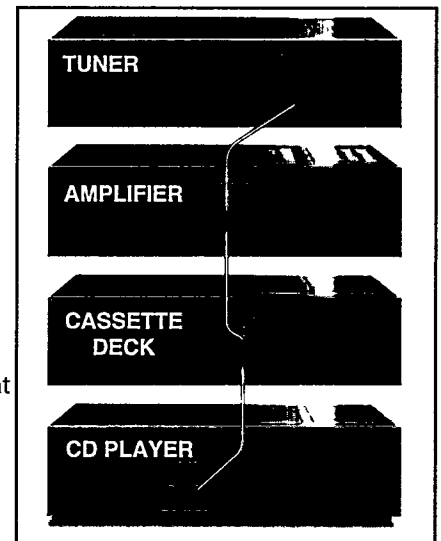
Do not connect the set to the mains until all other connections have been made and the mains voltage (indicated on the type plate) has been checked.

MAINS SUPPLY

- Check that the mains voltage as shown on the type plate corresponds to your local mains supply. If it does not, consult your dealer or service organisation.
- If your unit has a voltage selector, make sure **only** to change the voltage in the POWER OFF position.
- Insert the plug of the mains lead into the wall socket.
- If your amplifier has AC MAINS OUTLETS, you should insert the plug of the mains lead into these outlets. The mains supply is now connected.
- To disconnect the set from the mains completely, remove the mains plug from the wall socket or from the AC MAINS OUTLETS of your amplifier.

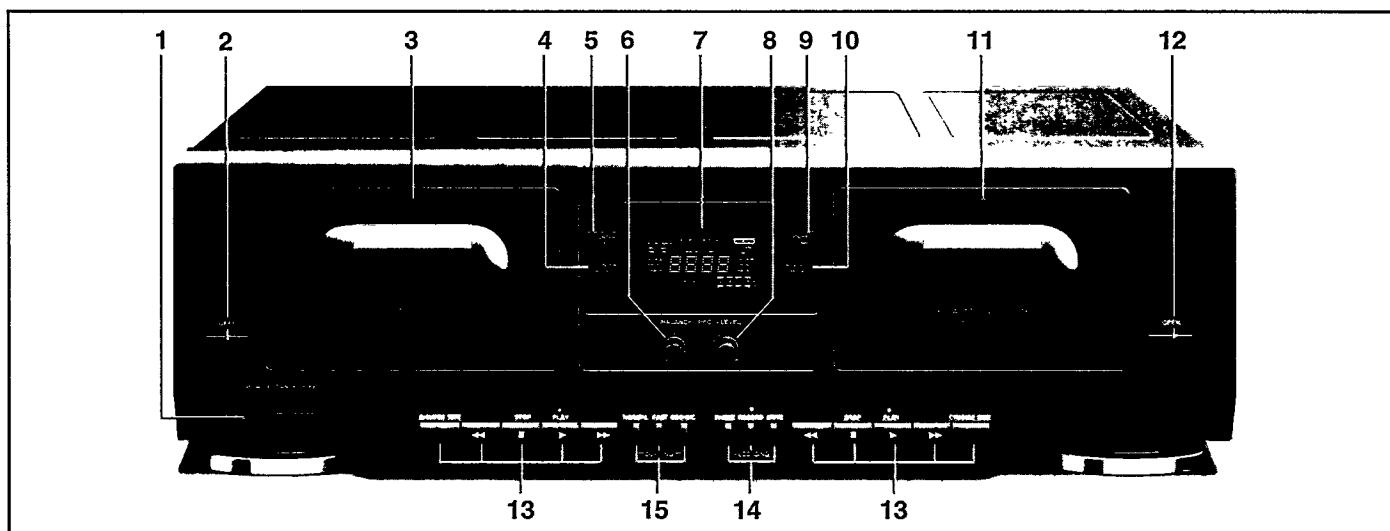
CONNECTIONS










- A PLAY** – output sockets for connection to the TAPE input sockets of your amplifier.
- B REC** – input sockets for connection to the TAPE output sockets of your amplifier.
- C ESI BUS (Enhanced System Intelligence)**
Remote control sockets for connecting up the equipment when you are incorporating the cassette deck in a HiFi system with ESI BUS connection (e.g. Philips 900 series) Connect the ESI socket to the socket of the external equipment that uses the ESI remote-control system.
- D Voltage selector 115 V/230 V** – for selecting the mains voltage (not on all versions)
- E MAINS** – mains lead



The type plate is located on the back of the set. This product complies with the radio interference requirements of the European Community.



After having made the necessary connections, your cassette deck is ready for use. In the next chapter we will describe how to operate it.



- 1 **POWER STANDBY/OFF** – for switching the cassette deck on and off
- 2 **OPEN** – for opening cassette holder 3 of deck A
- 3 **Cassette holder A** – for playback in both directions
- 4 **COUNTER RESET** – for returning the tape counter in the display to 0000
- 5 **COUNTER SELECT** – for selecting the tape counter to count for deck A or deck B
- 6 **REC BALANCE** – for adjusting the recording balance
- 7 **Display**
- 8 **REC LEVEL** – for adjusting the recording volume
- 9 **DOLBY NR** – for switching the Dolby Noise Reduction system on and off and selecting Dolby B or Dolby C
Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.
- 10 **Reverse mode selector:**
 -  – the tape stops at the end of each side.
 -  – playback (+ recording for deck B) of both cassette sides, after which the tape stops at the end of the second side.
 -  – continuous playback of both cassette sides
 -  – for continuous playback of both cassette sides on both decks
- 11 **Cassette holder B** – for recording and playback in both directions
- 12 **OPEN** – for opening cassette holder 11 of deck B
- 13 **Keyboard for deck A and deck B**
 -  – for fast winding in the opposite direction to that in which the tape is travelling
 - **STOP**  – for stopping the tape transport
 - **PLAY**  – for starting playback
 -  – for fast winding in the tape travel direction
 - **CHANGE SIDE** – for reversing the tape travel direction of the playing deck (A or B) or reversing the tape travel direction of both decks when they are in STOP mode. After switching on the power, the unit always automatically displays the last directions chosen.
- 14 **RECORDING**
 - **RECORD** – for starting recording.
 - **MUTE** – for recording a pause (silent passage)
 - **PAUSE** – for preparing or interrupting a recording
- 15 **DUBBING**
 - **NORMAL** – for dubbing from deck A to B at normal speed
 - **FAST** – for dubbing from deck A to B at high speed
 - **CD SYNC.** – for synchro start of deck B and a CD player when recording from a Compact Disc (provided the CD player is connected via its ESI bus to your Philips system 900 series).

DISPLAY



- The display shows:
-  – when the reverse-mode continuous playback of both cassette sides on both decks is activated;
 -  – tape transport counter of deck A and deck B;
 - **DOLBY B/C** – when Dolby Noise Reduction System B or C is switched on;
 - **MUTE** – during recording mute;
 - **RECORD** – during any recording or dubbing; Starts flashing during recording pause mode;
 - **CD SYNC.** – during a synchronized CD recording;
 - **FRONT/BACK** – indicates the tape travel direction;
 - **DUBBING** – during dubbing at normal speed;
 - **HI SPEED DUBBING** – during high-speed dubbing;
 - **DECK A/B** – indicating that the tape transport counter is counting for deck A or deck B
 - **Peak level meters** – indicating the output or recording level which can be adjusted with the REC BALANCE and REC LEVEL controls.

POWER STANDBY/OFF






- Press the POWER STANDBY/OFF key 1 to switch on the power. Press this key again to switch the power off.
- If you have connected the plug of the mains lead to the MAINS OUTLETS of your amplifier, the power will automatically be switched off as soon as you switch off the amplifier.

AUTOMATIC TAPE SELECTION AND DETECTION


When a cassette is inserted in the cassette holder, the deck will always automatically select the tape type: Fe, Cr or Me (IEC I, IEC II, IEC IV) as soon as the cassette holder is closed. When no cassette is inserted in the cassette holder, no tape action can be started. (The presence of a cassette is detected).

PLAYBACK

Playback of one side (deck A or B)




- Open the cassette holder of the selected deck by pressing the corresponding OPEN button.
- Insert a recorded cassette with the open side facing downwards.
- Close the cassette holder.
- Select  with the reverse-mode selector **10**.
- If desired, switch on the Dolby NR system **9**.
- Select the playback direction with the CHANGE SIDE key. The tape travel direction will be indicated on the display (**FRONT** or **BACK**)
- Now press the PLAY  key on deck A or B.
The green indicator above the PLAY  key lights up.
The deck plays one cassette side and the tape stops automatically at the end.
- You can stop playback by pressing STOP  on deck A or B.
- In order to continue playback press PLAY  again.

Playback of both sides (deck A or B)


- If you want to play both sides of the cassette, proceed as described under 'Playback of one side' but select  with the reverse-mode selector **10**.
The deck plays both cassette sides and the tape stops automatically at the end of the second side.

CONTINUOUS PLAYBACK




Continuous playback with two cassettes (deck A and B)

- Insert a recorded cassette into both cassette holders as indicated above.
- Close the cassette holders.
- Select  with the reverse-mode selector **10**.
- If desired, switch on the Dolby NR system **9**.
- Select the playback direction of deck A with the respective CHANGE SIDE key.
- Press PLAY  on deck A.
- Deck A plays both cassette sides and then deck B plays both cassette sides.
- Deck A starts again and both decks keep playing both cassette sides continuously (to a maximum of three times for each cassette).
- Press STOP  on the playing deck to stop continuous playback.




Note

If you wish to **start** with deck B, first select the playback direction of deck B with the respective CHANGE SIDE key and then press the PLAY  key of deck B.

Continuous playback with one cassette (deck A or B)

- Insert a recorded cassette into one cassette holder as indicated above.
- Close the cassette holder.
- Select  with the reverse-mode selector **10**.
If desired, switch on the Dolby NR system **9**.
- Select the playback direction with the CHANGE SIDE key (of deck A or B)
- Press PLAY  (on deck A or B).
- The selected deck keeps playing both cassette sides (up to a maximum of six times) until you press STOP  on the playing deck.

FAST WINDING/REWINDING OF A TAPE

- Use the FORWARD  keys for fast winding in the tape travel direction.
- Use the BACKWARD  keys for fast winding in the opposite direction to that in which the tape is travelling. A flashing (4x per second) green indicator above the PLAY  keys indicates the winding action.

DIGITAL TAPE COUNTER

The digital counter is used for deck A and deck B.

COUNTER RESET

- The counter can be reset to 0000 by pressing the COUNTER RESET key .
- The counter of the selected deck will be reset. The status of the counter of the other deck will be kept in the memory.
- The counter will also be reset:
 - when the cassette holder is closed;
 - every time the play direction is reversed (automatically or manually).

COUNTER SELECT

- You can display the counter of deck A or of deck B with the COUNTER SELECT key
- The indication **DECK A** or **DECK B** will light up on the display.

RECORDING (deck B)

Recording on both sides of a cassette

- Open the cassette holder **11** by pressing OPEN **12**.
- Insert a cassette which is not protected against recording, with the open side facing downwards.
- Close the cassette holder.
- If desired, switch on the Dolby NR system **9**.
- Select on your amplifier the sound source from which you wish to record.
- Press PAUSE **14** to set the deck in the record- pause mode.
- Select \rightrightarrows with the reverse mode selector **10**.
- Allow the unit you wish to record from to play and meanwhile adjust the recording level with the REC LEVEL control **8** so that the recording level indicators in the display light up during passages with an average volume up to 0 dB. An excess of up to +2 is normal during peaks.
- Differences between the left and the right channel can be corrected with the REC BALANCE control **6**.
- Select the tape travel direction with the CHANGE SIDE key. The direction will be indicated on the display (**FRONT** or **BACK**).
- Press the RECORD key to start the recording. The display shows **RECORD**.
- Check the recording level at intervals and adjust it gradually if required.
- You can interrupt the recording temporarily by pressing the PAUSE key. Press RECORD to continue recording.
- The deck stops automatically when both sides of the cassette are full.
- Press the STOP \blacksquare key to stop recording at an earlier point.

Recording on one side of a cassette

- If you only want to record on one side of the cassette, select \leftarrow with the reverse mode selector **10**.

Copyright

Recording or copying is only authorised if there is no violation of copyright or other rights of third parties.

Note for users in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performers' Protection Acts 1958 to 1972.

RECORD MUTE (deck B)

- You can obtain a 4-second silent recording by pressing RECORD MUTE **14** *once* during recording.
- If you keep RECORD MUTE pressed, the silent recording will last as long as you keep the key pressed down. Undesired passages (announcements etc.) can thus be omitted during recording. During record mute the **MUTE** flag on the display lights up.

Note: Record mute only works during recording and not during dubbing (NORMAL, FAST or CD SYNC.).

DUBBING (FROM DECK A TO B)

- Open the cassette holders **3** (deck A) and **11** (deck B) by pressing the OPEN buttons **2** and **12**.
- Insert the *recorded* cassette into the cassette holder of deck A with the open side facing down; then close the cassette holder.
- Insert a cassette which is *not* protected against recording into the cassette holder of deck B with the open side facing down and close the cassette holder.
- Select the tape direction for deck A and B with the respective CHANGE SIDE key **13**.
- Select the required reverse mode (\leftarrow or \rightrightarrows) with the reverse-mode selector **10** to make a single or double-sided dubbing.
- Start the dubbing process by pressing one of the DUBBING keys **15**:
 - NORMAL, for dubbing at normal speed, the display shows **DUBBING**.
 - FAST, for dubbing at double speed, the display shows **HIGH SPEED DUBBING**.
 - An original cassette recorded with Dolby Noise Reduction will always produce a copy with Dolby NR.
- Press STOP \blacksquare to stop dubbing at any desired point.
 - Both decks then stop simultaneously.

Note: During dubbing (from deck A to B at normal or double speed) it is not possible to adjust the recording and balance level.

While dubbing you can listen to any other source.

CD SYNCHRO DUBBING

If the ESI BUS sockets of a CD player are connected (directly or via your HiFi system) to the ESI BUS sockets of your cassette deck, you can synchronise the start of a recording with the start of a CD or CD programme as follows:

- Insert a cassette in deck B and prepare your CD player for playback.
- If desired, switch on the Dolby NR system 9.
- Press the CD SYNC key 15.
 - The CD will start playing.
- The **CD SYNC** and **RECORD** indications on the display of your deck will start flashing
- You can now adjust the recording level with the REC LEVEL control 8 so that the recording level indicators in the display light up during passages with an average volume up to 0 dB. An excess of up to +2 is normal during peaks.
- Differences between the left and the right channel can be corrected with the REC BALANCE control 6.
- After adjusting the recording level select the tape travel direction with the CHANGE SIDE key on deck B and press RECORD 14 to start the recording.
 - The **CD SYNC** and **RECORD** indications will light up on the display.
 - The CD player returns to the beginning of the disc (or programme) and enters the pause mode.
 - Recording starts and after a 7-second delay the CD will start playing. This delay is to ensure that the recording does not start until after the leader tape.
 - 4-second pauses will be inserted between the CD tracks.
 - CD synchro dubbing will stop when one or both sides of the cassette are full or when the CD reaches the end.
- You may also press the STOP key on the CD player or deck to stop dubbing at an earlier stage.

Note: When the standby mode is selected during CD synchro dubbing, the dubbing will be cancelled.

CD dubbing without a given tape length

If you have selected ⇄ and the end of the tape is reached in the middle of a track, the CD player repeats that particular track from the beginning on the second side.

CD dubbing with a given tape length

If you have chosen the tape length with EDIT on the CD-player, the display shows which tracks fit on one side of the cassette. A blank part will be recorded after the last track and the following tracks will be recorded on the second side of the cassette (provided ⇄ was selected).

ENHANCED SYSTEM INTELLIGENCE

If the cassette deck is connected via the ESI BUS sockets to the ESI BUS sockets of a HiFi system (e.g. the PHILIPS 900 series) and when the AUTO SELECT function on your amplifier is activated, there will be an additional internal communication between the different elements in your system.
 The whole system can be operated by the system remote control through the sensor of the amplifier.
 In addition, the functions AUTOMATIC SOURCE SELECTION and AUTOMATIC STOP as mentioned below are then accessible.

AUTOMATIC SOURCE SELECTION

If the AUTO SELECT function on the amplifier is activated, the cassette deck will automatically be selected as soon as you press the CD SYNC. or PLAY ► keys on your deck

AUTOMATIC STOP

If the AUTO SELECT function on the amplifier is activated, the cassette deck will automatically stop playing as soon as another source is selected.
e.g. When you select TUNER with the source selection knob on your amplifier while listening to your cassette deck, the deck will be stopped.

STANDBY

- Switching your cassette deck to standby can only be done via the system remote control.
- First select TAPE on the remote control and then briefly press the STANDBY key.
 - The cassette deck will be switched to standby.
- If the standby key is kept pressed for more than 1 second the whole system will be switched to standby. All light indicators will be switched off with the exception of the standby LED on the amplifier. If AUTO SELECT is activated, the indicator of this key will also light up during standby.
 - **Note:** If the whole system is switched to standby when a recording is active, the recording (or dubbing) will be cancelled.
- By selecting the TAPE source on the amplifier or on the system remote control the cassette deck will be activated again.
- The cassette deck will also be activated again as soon as you press the DUBBING (NORMAL, FAST, CD SYNC.), STOP ■, PLAY ►, FORWARD ►►, BACKWARD ◀◀, or PAUSE keys

SYSTEM TIMER

By connecting the cassette deck to a timer, you can start and stop playback or recording automatically.

- If the tuner in your Philips HiFi 900 system is equipped with a timer (e.g. FT930), make sure that the ESI BUS connections are made.
- Set the timer and switch on the cassette deck.
- Prepare the cassette deck for playback or recording (see PLAYBACK or RECORDING chapter)
- Stop both decks.
- At the time set on the timer, deck B will start playback or recording, provided there is a tape in deck B.
- If there is no tape in deck B, deck A is automatically selected and will start playback at the time set on the timer.

REMOTE CONTROL

The following cassette deck functions can be operated via your system remote control (Philips 900 series), provided the correct ESI BUS connections are made:

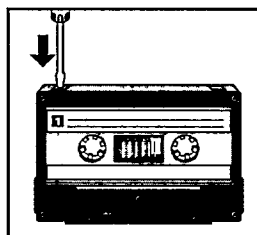
- **TAPE** - source selection
 - **DECK A/B** - for selecting deck A or B
 - **▶▶** - for winding the tape in the playing direction
 - **◀◀** - for winding the tape in the opposite direction
 - **PLAY** - for starting playback
 - **RECORD** - for starting recording immediately
 - **STOP** - for stopping recording/playback
 - **PAUSE** - for interrupting recording/playback
 - **MODE** - for selecting the playing direction for both decks
 - **STANDBY** - for selecting standby mode
- When using your system remote control, first press TAPE to select the tape mode.
 - Then select DECK A or DECK B and subsequently press the key of the desired tape function.

MAINTENANCE

- Do not leave the unit or cassettes 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 slightly moistened with water is sufficient for cleaning the cabinet.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.

Compact Cassettes

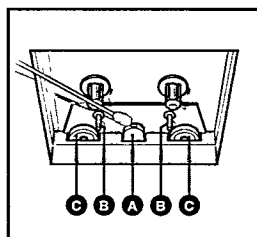
- The tape in the cassette is attached at both ends with leader tape. Nothing will be recorded for 6 to 7 seconds at the beginning (and at the end) of the tape.



Accidental erasure of a recording can be prevented by breaking the small tab in the top left-hand corner on the back of the cassette. You can then no longer record on this side. This protection can be removed by covering the hole with a small piece of adhesive tape.

- Store your cassettes after use in the box provided. Keep the cassettes at room temperature and avoid leaving them in the sun or too close to magnets and transformers of e.g. recorders, radios, TVs and loudspeakers.

Recorder maintenance



- After approximately 15 hours of use the heads (A), the capstans (B) and the pressure rollers (C) must be cleaned.
- You can clean them with a cotton bud dipped in alcohol. Make sure that the unit is not connected to the mains.
- The drive mechanism must NOT be lubricated!

TECHNICAL SPECIFICATIONS

TAPE TRANSPORT: Twin solenoid electronic autoreverse

Cassette system:.....Analog Compact Cassette
 Motor type:.....DC/DC servo 2x
 Tape travel speed:4.76 cm/sec.
 Speed tolerance (max. speed variation):< 2%
 Wow and flutter:.....0.1% JIS WRMS

HEADS: Super-hard Metal Alloy recording playback heads and dual-gap ferrite erase head

Frequency response according to:	IEC	NAB
for metal tape (type IV):	40-16,000 Hz	40-17,000 Hz
for CrO ₂ tape (type II):	40-16,000 Hz	40-17,000 Hz
for normal tape (type I):	40-15,000 Hz	40-16,000 Hz
S/N ratio (without Dolby NR) acc. to:	IEC/DIN	NAB
for metal tape (type IV):	58 dB	59 dB
for CrO ₂ tape (type II):	58 dB	59 dB
for normal tape (type I):	57 dB	58 dB

Improvement of S/N ratio
 with Dolby B NR at 5 kHz:.....10 dB
 with Dolby C NR at 1 kHz:.....18 dB
 Channel separation at 1 kHz:.....35 dB
 FM pilot suppression:.....30 dB
 Distortion at max. level (CrO₂):.....< 1.8%

CONNECTION SOCKETS

Line in, Cinch-type:.....75 mV at 47 kOhm
 Line out, Cinch-type:.....450 mV (Z_o=2.5 kOhm)
 Remote control:.....ESI BUS, 2 x cinch

POWER SUPPLY

Mains voltages:.....according to type plate
 Mains frequencies:.....50 and 60 Hz without conversion
 Power consumption:.....15 W
 Electrical requirements:.....IEC 65

CABINET, GENERAL

Material, finish:.....metal and polystyrene
 Dimensions (w x h x d):.....435 x 140 x 300 mm approx.
 Weight:.....6 kg
 Accessories:.....2 pairs Cinch Cable

These specifications are subject to modification without notice

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 invoice or cash receipt 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 or completed guarantee card) 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

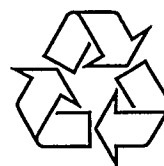
Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product.

However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

**The Guarantee Controller
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Printed in Portugal



TCtext YS1293/1