

marantz®

Model SD 585 User Guide

Cassette deck

English

EQUIPMENT MAINS WORKING SETTING

Your Marantz product has been prepared to comply with the household power and safety requirements that exist in your area. This product has a four-position voltage selector (110/120/220/240V) on the rear panel (E,N and T versions only). The voltage selector has been set according to the third alphabetical letter of the product serial number, see the table below. Using the table below, check that the mains working voltage setting on the model in your possession matches the mains voltage available in your area.

SUFFIX	VOLTAGE
E-	220 to 240V AC, 50/60 Hz
N-	220V AC, 50/60 Hz
T-	240V AC, 50/60 Hz

MAINS PLUG CONNECTORS FOR EQUIPMENT SOLD IN THE U.K.

The wires in the mains lead are coloured in accordance with the following code:

- brown is the live wire
- blue is the neutral wire.

Because the colours of these wires may not correspond with the terminal identification in your plug, proceed as follows. Connect the:

- brown wire to the terminal marked 'L' or coloured brown or red
- blue wire to the terminal marked 'N' or coloured blue or black.

When using a 13A plug conforming to BS1363, use a 3A fuse. For other plugs, use a 5A or lower rated fuse in the plug, adaptor or at the distribution board.

COPYRIGHT

Recording and playback of any material may require consent. For further information, refer to the following:

- Copyright Act 1956
- Dramatic and Musical Performers Act 1958
- Performers Protection Acts 1963 and 1972
- any subsequent statutory enactments and orders.

AC POWER CONNECTION

English: "While being IN (OFF, STOP, STAND BY, OFF/SLEEP, STOP EJECT...) position, the units is not disconnect from the AC Mains.

Svenska: "Observera vid natdrift : I lage (OFF, STOP, STAND BY, OFF/SLEEP, STOP EJECT...) ar apparaten ej elektriskt skiljd fran natet"

Dansk: "I stilling OFF er apparatet stadig forbundet med lysnettet. Hvis det onkes fuldst ndig afbrudt skal netledningen tr kkes ud"

Suomi: "Huom : Virrankytkin on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa"

INTRODUCTION

This quick auto reverse double cassette deck is suitable for the use of ferro, chromium and metal cassettes. The cassettes do not need to be turned over at the end of the tape: the direction of tape travel is reversed automatically at the end of the cassette, after which recording or playback is continued on the other side of the cassette.

The cassette deck is equipped with the Dolby B and Dolby C NR (Noise Reduction) system, manufactured under license from Dolby Laboratories Licensing Corporation.

The word 'Dolby' and the symbol $\square\square$ are trademarks of Dolby Laboratories Licensing Corporation.

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

INSTALLATION

- After unpacking remove all protective materials.
- Do not leave the equipment and the 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.
- This unit is equipped with microprocessors. Static electricity, for example, may sometimes cause interference. You can correct this by switching off the mains switch for 2 minutes.
- Always place the cassette deck on a horizontal surface.
- If your cassette deck is placed on or close to other equipment, hum may sometimes occur. A different position can eliminate the interference.

CONNECTIONS

Fig. 2

For safety reasons it is necessary to consult your dealer for the connection of equipment without a recorder connection, e.g. TVs.

- Ⓐ 'L - OUT and R - OUT' line outputs
For connecting the cassette deck to the inputs 'TAPE 1 L + R IN' or 'TAPE 2 L + R IN' of the amplifier.
- Ⓑ 'L - IN and R - IN' line inputs
For connecting the cassette deck to the outputs 'TAPE 1 L + R OUT' or 'TAPE 2 L + R OUT' of the amplifier.
- Ⓒ Output for synchronised recording.
- Ⓓ Terminal socket for mains lead
For connecting the cassette deck to the mains.
Before connecting the cassette deck to the mains, it is absolutely essential that you check that the setting of the voltage selector corresponds with the local mains voltage. You can change the setting by turning the voltage selector with a coin.

The type plate is located on the rear of the deck.

CONTROLS AND THEIR FUNCTION

Fig. 1

- ① 'POWER/STANDBY' switch
For switching the whole unit on and off.
- ② Cassette holder 'A'
- ② Cassette holder 'B'
- ③ 'EJECT' button
For opening the cassette holder ②.
- ④ Zero reset button
Pressing this button returns the counter ⑤ to '000'. By setting the counter to '000' at the beginning of the tape and noting the position at the beginning of your recording, you will later be able to relocate each recording easily.
- ⑤ 'TAPE COUNTER' (for deck 'B' only)

- Indicates how far the tape transport of deck 'B' has progressed.
- ⑥ 'PLAY >' button
For starting playback to the right. The direction of tape travel is indicated by the 'DIRECTION' indicators ⑩.
 - Fast wind button '>>'
For fast winding to the right.
 - 'PAUSE' button
Pressing this button stops recording or playback temporarily. Press the pause button again to continue recording or playback.
 - 'STOP' button
For stopping the tape transport.
 - Selector buttons 'A-MECHA SEL-B' with indicators
With these buttons you can select the operation of deck 'A' or 'B'. The indicator of the deck selected lights up. See 'DECK SELECTOR SWITCHES'.
 - Fast wind button '<<'
For fast winding to the left.
 - '< PLAY'
For starting playback to the left. The direction of tape travel is indicated by the 'DIRECTION' indicators ⑩.
 - ⑦ Recording button 'A + B'
Press this button to set deck 'A' **and** 'B' in the record-pause mode simultaneously. See 'PARALLEL RECORDING'.
 - Recording button 'REC'
Press this button to set deck 'A' **or** 'B' in the record-pause mode. See 'RECORDING'.
 - ⑧ 'MUTE' recording button
For making a silent recording. See 'RECORDING'.
 - ⑨ 'REV MODE' indicator
This indicates the 'REVERSE MODE' function which is selected with button ⑨.
 - 'REVERSE MODE' button
With this button you can select from three facilities: recording/playback on one or both sides and continuous playback. See 'REVERSE MODE'.
 - ⑩ 'DIRECTION' indicator deck 'A'
This indicates the direction of tape travel on deck 'A'. See 'DIRECTION INDICATORS'.
 - 'DIRECTION' indicator deck 'B'
This indicates the direction of tape travel on deck 'B'. See 'DIRECTION INDICATORS'.
 - ⑪ 'MEMO' memory button
By pressing this button the tape position at that moment is stored in the memory. After fast rewind the tape stops at this position. See 'MEMO MEMORY BUTTON'.
 - ⑫ 'QMS' button (Quick Music Search)
This system enables you to select a number or part of a number by omitting one or more numbers. See 'QUICK MUSIC SEARCH' (QMS).
 - ⑬ 'QMS' indicator (Quick Music Search)
This digital counter indicates how many sections you want to run through or select. See 'QUICK MUSIC SEARCH (QMS) SEARCH SYSTEM'.
 - ⑭ 'CONTINUOUS PLAY/REC' buttons with indicators
For continuous playback/recording of two cassettes. If deck 'A' stops, the playback/recording continues automatically from deck 'B' (or vice versa). See 'CONTINUOUS PLAYBACK/RECORDING'.
 - ⑮ Dubbing buttons 'NORMAL/HIGH DUBBING' with indicators
For starting with one finger a copying-recording from deck 'A' to deck 'B'.
 - ⑯ 'PEAK LEVEL' indicators
Indicate the recording volume which is set by the controls ⑰.
 - ⑰ Recording volume controls 'REC LEVEL'
For adjusting the recording volume. See 'RECORDING'.
 - ⑱ Dolby switches 'ON/OFF-DOLBY NR-B/C'
The Dolby Noise Reduction system is switched on or off with the ON/OFF button. The B/C button selects Dolby B NR or Dolby C NR. The B or C indicator shows which Dolby system is switched on. See 'DOLBY NOISE REDUCTION'.

- ⑲ 'PHONES' socket
For connecting stereo headphones.
- ⑳ 'MIC' socket with mixing level control 'MIX LEVEL'
Microphone input with control for mixing level of the microphone signal. See 'MICROPHONE MIXING'.
- ㉑ 'TIMER' switch
This switch enables the recorder to be set in advance for recording or playback, so that the equipment can be switched on or off with a timer. See 'RECORDING/PLAYBACK WITH TIMER'.

OPERATION

SWITCHING ON AND OFF

- Switching on: Press mains switch 'ON/OFF' ①; several indicators will now light up.

If no indicators light up?

- Then the cassette deck is not switched on properly, or the mains lead is not properly inserted in the socket ②,
- the plug is not in the socket,
- or the mains socket is dead.
- Switching off: Press mains switch ① once again.

REVERSE MODE

The cassette tape can be played back in three ways and recording can be carried out in two ways, which are selected with button ⑨. This is indicated on the display ⑨ by the symbols.

Because of the automatic tape reverse, it is possible to record and playback both sides of the cassette without having to turn the cassette over.

Note the following points:

- The deck cannot be put in the recording position if the recording protection lugs on the cassette have been removed.
- If this lug has *not* been removed on side A (or side 1), but *has* been removed on side B (or side 2), then the deck will only record the A side (or side 1) and will then stop.
- It is preferable to use cassettes with a transparent leader tape. Only *then* will the quick tape reverse function properly. During the quick tape reverse the sound is only interrupted for approx. 0.8 sec.
- If the leader tape is not transparent, the quick tape reverse does not function. In that case the direction of tape travel is reversed approx. 4 sec after the tape has stopped.

DECK SELECTOR SWITCHES

The operation of deck 'A' or 'B' can be selected with the 'MECHA SEL' switches ⑥. The indicator of the deck selected lights up. Selection is only possible if there are *two* cassettes in the unit. If one cassette is used, the correct deck is selected automatically. When dubbing a cassette both indicators light up and both decks can be operated. Once dubbing has stopped, then the indicator on deck 'B' lights up. If deck 'A' and 'B' are playing back at the same time, you only hear the sound from the deck selected. You may also switch over from one deck to the other *during* playback by the deck selector switches ⑥.

'DIRECTION' INDICATORS

The 'DIRECTION' indicators ⑩ indicate the direction of tape travel. Before starting recording or dubbing check whether the

indicators indicate the correct travel direction. If you want to change the direction of tape travel, first check that the correct deck has been selected with the deck selector switches (6), then press the 'PLAY' button in the opposite direction to the one indicated and immediately afterwards press the 'STOP' button (6).

Below the method of indicating the various functions of the unit are given by the 'DIRECTION' indicators (10).

- STOP: shows orange
- PAUSE: orange light flashes
- PLAYBACK: shows green
- PLAYBACK + PAUSE: green light flashes
- RECORDING: shows red
- RECORD + PAUSE: red light flashes
- MUTE RECORDING: red light flashes quickly
- REPEAT FUNCTION (with playback): green light flashes slowly
- QMS + PAUSE (during quick search): green light flashes quickly

RECORDING (WITH DECK 'A' OR 'B')

Recording on both sides of a cassette

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched on by means of the mains switch 'ON/OFF' (1). The 'REV MODE' indicator (9) is set automatically in the position of one time reverse. The 'DIRECTION' indicators (10) now indicate the direction of tape travel. This corresponds to the direction which was used the previous time.
2. Open the cassette holder (2) by pressing the 'EJECT' button (3).
3. Insert a cassette which is *not* protected against recording, in the cassette holder (2): with the open side facing downwards and the full reel on the left. Close the cassette holder. If the 'DIRECTION' indicator (10) indicates the direction '||||', then press the 'PLAY >' button (6) and immediately afterwards the 'STOP' button (6).
4. If required, switch on the Dolby B/C system.
5. Set your amplifier to the sound source from which you wish to record.
6. Press the 'REC' recording button (7) to set deck 'A' or 'B' in the record + pause mode. The 'DIRECTION' indicator (10) starts to flash red.

If the 'DIRECTION' indicator (10) does not flash red?

 - Then the cassette in the holder is protected against recording. Insert another cassette in the unit.
7. Allow the connected unit to play and meanwhile adjust the recording volume with the controls (17) so that the recording level indicators (16) light up during passages with an average level up to the 0 dB part. An excess of up to +3 dB is normal during peaks.
8. Differences between the left and right channel can be corrected by adjusting both controls (17) differently.

If the recording level indicators (16) do not light up or do not light up properly?

 - Check then that the required sound source is properly connected.
 - Check that your amplifier is set correctly.
 - Check that a sound source *other* than the one required is functioning properly.
9. Start recording by pressing the 'PAUSE' button (6).
10. Check the recording level at intervals; adjust it gradually if required.
11. The deck stops automatically when both sides of the cassette are full. Press the 'STOP' button (6) to stop recording before then.

Notes

- By immediately pressing the fast wind button '<<<' after the recording (thus not the 'STOP' button (6) first) the tape is quickly rewound to the beginning of the recording just made. The tape then stops automatically.
- N.B.** After recording in the direction '||||' you must press the fast wind button '>>>'
- If you only want to record one side of the cassette, before recording press button 'REVERSE MODE' (9) until the 'REV MODE' indicator (9) lights up the desired mode.

'MUTE' recording

By pressing the 'MUTE' (8) button during recording, a silent recording is obtained during the following 4 seconds. The deck then stops in the record + pause mode. Undesired passages (announcements etc.) can thus be omitted automatically.

CONTINUOUS RECORDING WITH DECK 'A' AND DECK 'B'

Recording on both sides of two cassettes

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched on by means of the mains switch 'ON/OFF' (1). The 'REV MODE' indicator (9) is set automatically in the position of one time reverse. The 'DIRECTION' indicators (10) now indicate the direction of tape travel. This corresponds to the direction which was used the previous time.
2. Open the cassette holders (2) by pressing buttons 'EJECT' (3).
3. Insert a cassette, which is *not* protected against recording, in both cassette holders: with the open side facing downwards and the full reel on the left. Close the cassette holders. If the 'DIRECTION' indicators (10) indicate the direction '||||', then press - if required - first on the 'MECHA SEL' button (6) of the respective deck, then the 'PLAY >' button (6) and immediately afterwards the 'STOP' button (6).
4. If required, switch on the Dolby B/C system.
5. Set your amplifier to the sound source from which you want to record.
6. Press the 'CONTINUOUS REC' button (14) (the indicator in this button now lights up) and deck 'A' is set in the record + pause mode. The 'DIRECTION' indicator (10) starts to flash red.

If the 'CONTINUOUS REC' indicator (14) is not lit up and the 'DIRECTION' indicator (10) does not flash red?

 - Then the cassette in the holder is protected against recording. Insert another cassette in the unit.
7. Allow the connected unit to play and meanwhile adjust the recording level with the controls (17) so that the recording volume indicators (16) light up during passages with an average volume up to the 0 dB part. An excess of up to +3 dB is normal during peaks.
8. Differences between the left and right channel can be corrected by adjusting both controls (17) differently.

If the recording volume indicators (16) do not light up or do not light up properly?

 - Check then that the required sound source is properly connected.
 - Check that your amplifier is set correctly.
 - Check that a sound source *other* than the one required is functioning properly.
9. Start continuous recording by pressing the 'PAUSE' button (6).
10. Check the recording volume at intervals; adjust gradually if required.
11. The deck stops automatically when both sides of both cassettes are full. Press the 'STOP' button (6) to stop recording before then.

Recording on one side of two cassettes

1. If you only want to record one side of the cassette on deck 'A' AND one side of the cassette on deck 'B', before recording

press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up the desired mode.

2. Proceed further as described under 'Recording on both sides of two cassettes'.

Notes

- The continuous recording button 'CONTINUOUS REC' ⑭ only operates if both decks are in the STOP position.
 - By pressing the fast wind button '<<' immediately after recording (thus not the 'STOP' button ⑥ first), the tape is quickly rewound to the beginning of the recording just made. The tape then stops automatically.
- N.B.** After a recording in the direction '|||' you must press the fast wind button '>>'
- By pressing the 'MUTE' button ⑧ during recording, a silent recording is obtained during the following 4 seconds. The deck then stops in the 'continuous record' + pause mode.

PARALLEL RECORDING WITH DECK 'A' AND DECK 'B'

Simultaneous recording on two cassettes

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched off by means of the mains switch 'ON/OFF' ①. The 'REV MODE' indicator ⑨ is set automatically in the position of one time reverse. The 'DIRECTION' indicators ⑩ now indicate the direction of tape travel. This corresponds to the direction which was used the previous time.
2. Open the cassette holders ② by pressing the 'EJECT' buttons ③.
3. Insert a cassette which is *not* protected against recording in both cassette holders: with the open side facing downwards and the full reel on the left. Close the cassette holders. If the 'DIRECTION' indicators ⑩ indicate direction '|||', then press - if required - first the 'MECHA SEL' button ⑥ of the corresponding deck, then the 'PLAY >' button ⑥ and immediately afterwards the 'STOP' button ⑥.
4. If required, switch on the Dolby B/C system.
5. Set your amplifier to the sound source from which you wish to record.
6. Press the 'A+B' button ⑦ to set deck 'A' and 'B' in the record + pause mode. Both indicators of the deck selector switch 'MECHA SEL' ⑥ light up and the 'DIRECTION' indicators ⑩ start to flash red.
If only one indicator of the deck selector switches 'MECHA SEL' ⑥ is lit up and the 'DIRECTION' indicators ⑩ and ⑩ do not flash red?
- Then the cassette in the holder is protected against recording. Insert another cassette in the unit.
7. Allow the connected unit to play and meanwhile adjust the recording level with the controls ⑰ so that the recording level indicators ⑱ light up during passages with average volume up to the 0 dB part. An excess of up to +3 dB is normal during peaks.
8. Differences between the left and right channel may be corrected by adjusting both controls ⑰ differently.
If the recording volume indicators ⑱ do not light up or do not light up properly?
- Check then that the required sound source is connected correctly.
- Check that your amplifier is set correctly.
- Check that a sound source *other* than the one required is functioning correctly.
9. Start the parallel recording by pressing the 'PAUSE' button ⑥.
10. Check the recording volume at intervals; adjust gradually if required.
11. Press the 'STOP' button ⑥ to stop.

Notes

- By pressing the fast wind button '<<' immediately after the recording (thus not the 'STOP' button ⑥ first) the tape in both

cassettes is quickly rewound to the beginning of the recording just made. The tape then stops automatically.

N.B. After a recording in the direction '|||' you must press the fast wind button '>>'

- If you only want to record one side of the cassette, before recording press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up.
- During parallel recording both decks 'A' and 'B' can be operated at the same time by the buttons: 'STOP', 'MUTE', 'PAUSE', '<<' (after a recording in direction '|||') and '>>' (after a recording in direction '|||').
- By pressing the 'MUTE' ⑧ button during the parallel recording, a silent recording is obtained during the following 4 seconds. Both decks then stop in the record + pause mode.

SYNCHRONIZED RECORDING

Synchronized recording can only be performed when the turntable or CD player is connected to the amplifier via the control terminals.

1. Press the EJECT button of deck A or B or both to open the cassette compartment. Check that the tape you wish to record on has its accidental erasure prevention tabs intact. Wind up the tape leader of the cassette until the magnetic tape is showing. Insert the tape(s) in the cassette compartment(s), with the side to be recorded on facing the front. Push shut the cassette compartment.
2. Select a Dolby noise reduction system if required.
3. Press the REC button to set the deck in the record pause mode.
4. Press the SYNC. REC button.
5. Press the start control on the turntable or CD player.

DUBBING (FROM DECK 'A' TO DECK 'B')

Dubbing at normal speed from both sides of a cassette

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched on by means of the mains switch 'ON/OFF' ①. The 'REV MODE' indicator ⑨ is set automatically in the position of one time reverse. The 'DIRECTION' indicators ⑩ now indicate the direction of tape travel. This corresponds with the direction used the previous time.
2. Open the cassette holders ② by pressing the 'EJECT' buttons ③.
3. Insert the *recorded* cassette in the cassette holder ② on deck 'A' with the open side facing downwards and the full reel on the left; then close the cassette holder.
4. Insert a cassette which is *not* protected against recording in cassette holder ② on deck 'B': with the open side facing downwards and the full reel on the left. Close the cassette holder. If the 'DIRECTION' indicators ⑩ indicate the direction '|||', then press - if required - first the 'MECHA SEL' button ⑥ of the corresponding deck, then the 'PLAY >' button ⑥ and immediately afterwards the 'STOP' button ⑥.
5. Start the copying-recording by pressing the 'NORMAL DUBBING' button ⑮. The indicator in the 'NORMAL DUBBING' button ⑮ and both indicators of the deck selector switches 'MECHA SEL' ⑥ light up. The 'DIRECTION' indicators ⑩ show green and red.
If nothing happens and if the indicators do not light up as indicated in 5?
- Then the cassette in the cassette holder ② is protected against recording. Insert another cassette in the unit.
6. Press the 'STOP' button ⑥ to stop dubbing in the meantime. Both decks then stop simultaneously.

Notes

● By pressing the fast wind button '<<' immediately after dubbing (thus not the 'STOP' button ⑥ first) the tape on deck 'B' is quickly rewound to the beginning of the dubbing just made and then stops.

N.B. After dubbing in the direction '|||' you must press the fast wind button '>>'!

● If you only want to copy one side of the cassette, before copying press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up the desired mode.

● By pressing button 'MUTE' ⑧ during dubbing, a silent passage is obtained in the copy during the following 4 seconds. Deck 'B' then stops in the record+pause mode (the tape on deck 'A' however continues!). Undesired passages (announcements etc.) can thus be omitted automatically.

● By pressing 'PAUSE' button ⑥ during dubbing, deck 'B' stops in the record+pause mode. The tape on deck 'A' continues. Undesired passages (announcements etc.) can thus be omitted. In order to continue dubbing, press button 'PAUSE' ⑥ again.

Dubbing at double speed

1. Follow the procedures 1 to 4 as described under 'Dubbing at normal speed from both sides of a cassette'.

2. Start the copying-recording by pressing the 'HIGH DUBBING' button ⑮. The indicator in the 'HIGH DUBBING' button ⑮ and both indicators of the deck selector switches 'MECHA SEL' ⑥ light up. The 'DIRECTION' indicators ⑩ show green and red.

If nothing happens and if the indicators do not light up as indicated in 2?

- Then the cassette in the cassette holder ② is protected against recording. Insert another cassette in the unit.

3. Press the stop button ⑥ to stop dubbing in the meantime. Both decks then stop simultaneously.

Notes

● By pressing the fast wind button '<<' immediately after dubbing (thus not the 'STOP' button ⑥ first), the tape on deck 'B' is quickly rewound to the beginning of the dubbing just made and then stops.

N.B. After dubbing in direction '<' you must press the fast wind button '>>'!

● If you only want to copy one side of the cassette, before dubbing press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up the desired mode.

MICROPHONE MIXING

● The sound from a microphone connected to microphone input ⑳, can be mixed with the playback from deck 'A'.

● During dubbing (at normal speed) from deck 'A' to deck 'B' the mixed signal can be recorded on deck 'B'.

● The mixing ratio between the two signals is controlled with 'MIX LEVEL' control ⑳. The strength of the microphone signal is greatest in the 'MIN' position.

N.B.: If you want to make a recording with the microphone only, thus *without* mixing, you can insert an empty cassette in deck 'A' and make the microphone recording on a cassette in deck 'B'. In this case start recording with the button 'NORMAL DUBBING' ⑮.

PLAYBACK

Playback of both sides of a cassette

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched on by means of the mains switch 'ON/OFF' ①. The

'REV MODE' indicator ⑨ is set automatically in the position of one time reverse. The 'DIRECTION' indicators ⑩ now indicate the direction of tape travel. This corresponds with the direction which was used the previous time.

2. Open the cassette holder ② by pressing the 'EJECT' button ③.

3. Insert a recorded cassette in the cassette holder: with the open side facing downwards and the full reel on the left. Then close the cassette holder.

If the 'DIRECTION' indicator ⑩ indicates the direction '|||', then press the 'PLAY >' button ⑥ and immediately afterwards the 'STOP' button ⑥.

4. For playback of a Dolby recording select the corresponding Dolby mode.

5. Set the amplifier to 'CASS', 'TAPE', 'TAPE 1' or 'TAPE 2', depending on the amplifier input used.

6. Now press the 'PLAY >' button ⑥. The 'DIRECTION' indicator ⑩ now shows green.

7. Set the volume and balance on the amplifier. The volume of the headphones connected to socket 'PHONES' ⑲ is not adjustable.

8. You can interrupt the playback temporarily by pressing 'PAUSE' button ⑥. The 'DIRECTION' indicator ⑩ starts to flash. In order to continue playback press the 'PAUSE' button ⑥ again.

9. If during playback the 'PLAY' button ⑥ (or ⑥ for playback in the direction '|||') is pressed, the 'DIRECTION' indicator ⑩ starts to flash and the number playing at that moment will be constantly repeated. By pressing the 'PLAY' button ⑥ again, the repeat function is switched off. The tape then plays normally.

10. Press 'STOP' button ⑥ to stop.

Playback of one side of a cassette

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched on by means of the mains switch 'ON/OFF' ①. The 'REV MODE' indicator ⑨ is set automatically in the position of one time reverse. The 'DIRECTION' indicator ⑩ now indicate the direction of tape travel. This corresponds to the direction which was used the previous time.

2. Open cassette holder ② by pressing 'EJECT' button ③.

3. Insert a recorded cassette in the cassette holder.

4. Press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up the desired mode.

5. Proceed further as described previously under 'Playback of both sides of a cassette'.

CONTINUOUS PLAYBACK WITH DECK 'A' AND DECK 'B'

Continuous playback of two cassettes

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched on by means of the mains switch 'ON/OFF' ①. The 'REV MODE' indicator ⑨ is set automatically in the position of one time reverse. The 'DIRECTION' indicator ⑩ now indicates the direction of tape travel. This corresponds with the direction which was used the previous time.

2. Open the cassette holder ② by pressing the 'EJECT' button ③.

3. Insert a *recorded* cassette in both cassette holders: with the open side facing downwards and the full reel on the left. Close the cassette holders.

If the 'DIRECTION' indicator ⑩ indicate the direction '|||', then press - if required - first on the 'MECHA SEL' button ⑥ of the corresponding deck, then press the 'PLAY >' button ⑥ and immediately afterwards the 'STOP' button ⑥.

4. Press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up.
5. For playback of a Dolby recording select the corresponding Dolby mode.
6. Set the amplifier to 'CASS', 'TAPE', 'TAPE 1' or 'TAPE 2', depending on the amplifier input used.
7. Now press the 'CONTINUOUS PLAY' button ⑭. The indicators in the 'CONTINUOUS PLAY' button and the 'DIRECTION' indicator ⑩ now show green.
8. Set the volume and balance on the amplifier. The volume of the headphones connected to socket 'PHONES' ⑲ is not adjustable.
9. You can interrupt the playback temporarily by pressing the pause button ⑥. The 'DIRECTION' indicator ⑩ now starts to flash. In order to continue playback press the pause button ⑥ again.
10. Press the stop button ⑥ to stop.

Playback of one side of two cassettes

1. Insert a recorded cassette in the two cassette holders ②.
2. Press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up the desired mode.
3. Now press the 'CONTINUOUS PLAY' button ⑭. The indicators in the 'CONTINUOUS PLAY' button and the 'DIRECTION' indicator now show green.
4. Follow the procedures 8 to 10 as described under 'Continuous playback of two cassettes'

Continuous playback of two sides of a cassette

1. Insert a recorded cassette in cassette holder ②.
 2. Press button 'REVERSE MODE' ⑨ until the 'REV MODE' indicator ⑨ lights up.
 3. Proceed further as described previously under 'Playback of both sides of a cassette'
- N.B.** In this case, playback is *not* started with the 'CONTINUOUS PLAY' button, but with one of the 'PLAY' buttons ⑥.

MEMORY BUTTON

By pressing the 'MEMO' button ⑪, the tape position at that moment is stored in the memory. After fast rewind the tape stops at this same place.

The memory function can be used for fast rewind to the beginning of a passage. If the 'MEMO' button is repeatedly pressed, only the most recently input tape position is stored in the memory.

The 'MEMO' button ⑪ works both for recording and for playback.

QMS SEARCH SYSTEM

With the QMS search system (Quick Music Search) you can put together a programme with a maximum of 16 numbers per cassette side. The 16 numbers selected are played back and/or dubbed automatically in the required sequence.

The QMS search system reacts on silent passages of at least 4 seconds on a recorded cassette.

N.B.: In some cases a very faint passage in a piece of music can be picked up by the system as a 'silent' passage.

Putting together a QMS selection

1. Check that the cassette deck is connected as described under 'CONNECTIONS' and that the mains voltage has been switched on by means of the mains switch 'ON/OFF' ①. The 'REV MODE' indicator ⑨ is set automatically in the position of one time reverse. The 'DIRECTION' indicators ⑩ now indicate

the direction of tape travel. This corresponds to the direction which was used the previous time.

2. Open the cassette holder ② by pressing the 'EJECT' button ③.
3. Insert a recorded cassette in the cassette holder. Let us assume as an example that you wish to hear consecutively:
the 3rd song, the 1st song, the 7th song, the 3rd song again and finally the 15th song. Carry out the following:
 4. Press the QMS button ⑫ three times. The digit 3 appears in display ⑬.
 5. Then press the 'MEMO' button ⑪. A P then appears in display ⑬.
The third song is now stored in the memory.
 6. Press QMS button ⑫ once. Digit 1 then appears in display ⑬.
 7. Then press 'MEMO' button ⑪. A P then appears in display ⑬.
The first song is now stored in the memory.
 8. Press QMS button ⑫ seven times. The digit 7 appears in display ⑬.
 9. Then press 'MEMO' button ⑪. A P then appears in display ⑬.
The seventh song is now stored in the memory.
 10. Press QMS button ⑫ three times. The digit 3 appears in display ⑬.
 11. Then press 'MEMO' button ⑪. A P now appears in display ⑬.
The third song is now (again!) stored in the memory.
 12. Press the QMS button ⑫ fifteen times. The digit ● 5 appears in display ⑬.
 13. Now press 'MEMO' button ⑪. A P then appears in display ⑬.
The fifteenth song is now stored in the memory.

Notes

- Display ⑬ indicates the digits 0 to 9 normally. For 10 to 15 the 1 of the 10 is indicated by means of a dot.
- The highest number is 15; the display ⑬ then springs back to 1.

N.B. Number 15 should not be confused with the *number* of songs that can be selected: you can for example select the same song sixteen times consecutively!

Playback of a QMS programme

- Press the 'PLAY' button ⑥ of the desired direction of play.
- The tape is now first rewound to the beginning of the cassette.
- All selected numbers are then played back automatically in the sequence selected.
- After completion of the selected programme the deck stops automatically.

Dubbing from a QMS programme

A QMS programme cannot only be played back normally, but also dubbed.

Carry out the following procedure:

- Insert the cassette to be dubbed in cassette holder ② of deck 'A'.
- Insert a cassette, which is *not* protected against recording, in cassette holder ② of deck 'B'.
- Put together the QMS programme as described under 'Putting together a QMS selection'.
- Now start the dubbing of a QMS programme by pressing one of the 'DUBBING' buttons ⑮.
- Both decks stop automatically after dubbing the QMS programme.

Recording silent passages for the QMS programme

Silent passages can be inserted automatically between the recordings by pressing the 'MUTE' button ⑧ after each number recorded. There is then automatically a silent passage of 4 seconds after which the deck stops in the record + pause mode.

RECORDING/PLAYBACK WITH TIMER

Switch ⑳ makes it possible to set the cassette deck in advance for recording or playback, so that you can switch the unit on or off by a timer.

When using a programmable timer or any other time switch device which can be used to switch the mains of a cassette deck on and off, you can make a recording (or play a cassette) during your absence.

- Connect the mains lead of the cassette deck (and of the tuner if you wish to record a radio programme) to the socket(s) designed for this on the timer and switch on the mains.
- Then make the required adjustments for the recording during your absence, such as recording volume control etc.
- Switch off the mains voltage with the timer and set the timer so that the voltage is switched on again at the required time.
- The mains switch of the cassette deck (and of the tuner) must now *not* be switched off.

- Set timer switch ㉑ of the cassette deck to the required position ('REC' for recording or 'PLAY' for playback).

The programme will be recorded (or played back) at the time selected.

The cassette deck will be switched off automatically, through the automatic stop of the cassette deck itself, or through the timer unit, whichever operates first.

- When coming home, switch off the timer switch ㉑ before you start the cassette deck again.

Notes

When switching on, the cassette deck will always be in the position of a play/record sequence. Two sides will therefore be recorded or played back. If you only want to record one side, then insert the cassette with the full reel to the *right* and press the '< PLAY' button ⑥ and immediately afterwards the 'STOP' button ⑥, after which the 'DIRECTION' indicator ⑩ indicates the direction '||||'.

GENERAL INFORMATION

COMPACT CASSETTES

- The tape in the cassette is attached at both ends with leader tape. You must remember this: no recording will be made at the beginning of the tape for 6 to 7 seconds!
- The accidental erasure of a recording can be prevented by breaking the small projection in the top left-hand corner on the back of the cassette when using the cassette in the |||| direction. When using the cassette in the |||| direction you must break the projection in the top right-hand corner. You can then no longer record on this side. This protection can be removed with a small piece of adhesive tape.
- Musicassettes are prerecorded cassettes, which are already protected against erasure.
- Store your cassettes after use in the box provided. Keep the cassettes at room temperature, do not put them in the sun or too close to magnets and transformers of e.g. recorders, radios, TVs and loudspeaker boxes.

TYPES OF TAPE

The quality of sound recording on cassette tape is to a significant extent determined by the manufacture and type of tape used. Therefore it is preferable to use a tape with very good specifications and test results.

Chromium dioxide and metal tapes generally give better results than iron oxide tapes.

As soon as a cassette is inserted in the cassette holder, the bias and the correction for the type of tape are switched on automatically.

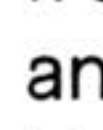
RECORDING VOLUME AND MONITORING

- The level at which the sound is recorded on a tape determines the sound quality for playback. The recording level can be set before starting the recording; if this is not possible, then it can also be done during the recording.

- During recording any previous recording on that section of the tape is erased automatically. If you wish to erase without recording, then set the recording level controls ⑰ to '0' and run the tape in the record mode.

- In order to check what has been recorded on the tape, you can monitor during recording using headphones connected to socket ⑲ or with an amplifier connected to the outputs ㉑.

DOLBY NOISE REDUCTION

This cassette deck is equipped with both the Dolby B and the Dolby C Noise Reduction system, manufactured under license from Dolby Laboratories Licensing Corporation. The word 'Dolby' and the symbol  are trademarks of Dolby Laboratories Licensing Corporation.

A better noise reduction is obtained with the Dolby C Noise Reduction system than with the Dolby B type. This is obtained by additionally amplifying the faint treble during recording and by weakening it together with the noise during playback, more than is the case with the Dolby B Noise Reduction system.

- The system is switched on and off with the 'ON/OFF' button ⑱.
- Dolby B NR or Dolby C NR is selected with the B/C button ⑱.

A cassette recorded with the Dolby B type Noise Reduction system must also be played back in the Dolby B mode.

The same applies to the Dolby C system: a cassette recorded with the Dolby C system must also be played back in the Dolby C mode.

If the selector switch for Dolby B or C is set incorrectly, or if you forget to operate the Dolby NR on/off switch, the treble may be reproduced too strongly or too faintly. Therefore note on your cassettes whether they have been recorded with the Dolby B or C Noise Reduction system switched on.

Musicassettes can also be recorded with the Dolby B or C Noise Reduction system. This should then be indicated on the cassette or on the box.

Note: The buttons ⑱ of the Dolby Noise Reduction system have no influence when dubbing. A cassette recorded with Dolby NR as the original produces automatically a Dolby NR copy cassette after dubbing.

MAINTENANCE

We recommend that you clean the heads, capstans and pinch-wheels of your cassette deck regularly. This is generally necessary after every 15 hours of operation. It is also recommended that the aforementioned parts be cleaned prior to an important recording.

For preference we advise you to use a cleaning cassette for this purpose. This cassette should be played right through once (or in the case of heavy soiling twice) in the playback mode.

If you do not have one of these cleaning cassettes available, you may use cotton wool buds.

- You may use the cotton wool buds dry, or moisten them with a small amount of alcohol if necessary.
- Switch the cassette deck off.
- Press the eject buttons ③.
- Clean the heads, the capstans and the pinch-wheels with a cotton wool bud.
- You may also clean the capstans with *dry* filter paper. Only use the aforementioned means and do not allow the heads or the capstans to come into contact with sharp or metal objects.
- Allow everything to dry before reconnecting the equipment to the mains.

The drive mechanism must not be lubricated!

REMEDYING FAULTS

Should faults occur, it is in many cases not necessary to consult your dealer or technical service department. On the basis of the following list you will be able to rectify a number of faults yourself without difficulty.

1. The cassette deck is recording (the recording level indicators are operating normally), but DURING PLAYBACK produces poor sound quality (distortion) and/or too little treble or differences between the right and left channel.

● These faults are practically always caused by DIRT on the HEADS and the CAPSTANS. Even the best quality cassettes (regardless of make and type of tape) can cause dirt deposits.

Check whether the heads and/or the capstans are dirty and, if necessary, clean the dirty parts as instructed in the MAINTENANCE section.

N.B.: The cleaning cassette is a very useful aid for cleaning the heads and the capstans quickly.

For cleaning the capstans (important for good tape transport) you can also use dry filter paper, of the type used in coffee filters.

For cleaning the pinch-wheels it is also possible to use a cotton wool bud moistened with alcohol.

2. The cassette deck is recording (the recording level indicators are functioning normally), but does NOT produce ANY sound at all during playback.

● The connecting cables may have come loose or are connected incorrectly.

Check the connecting cables: 'LINE OUT' on the cassette deck has to be connected with 'TAPE IN' on the amplifier.

● The amplifier may be set incorrectly.

Check the amplifier: the selector switch should be at 'CASS' or 'TAPE' and the volume control should be at '0' or at 'MIN'.

3. The cassette holder cannot be opened.

● The cassette deck is recording or playing back. First press the stop button and then the eject button.

4. The cassette cannot be inserted or the cassette holder cannot be closed.

● The cassette is not positioned correctly or is perhaps upside down in the cassette holder. Adjust the position of the cassette in the cassette holder.

5. The recording button is not working.

● There is no cassette in the deck, or a cassette is being used which is protected against recording (e.g. a Musicassette). Use a different or a new cassette, or - if the old recording may be erased - seal the opening in the back of the cassette with a piece of adhesive tape.

6. Differences between the left and the right channel during recording (the lighting up of the recording level indicators is not the same for the left and right channel).

● The control has been set differently for the two channels.

● The two channels can also be set at the same level, but the levels of the sound sources of the two channels can be set differently.

Notes: Remember that with stereo sound the level of both channels need not be identical and that differences between the left and right channel are normal in that case.

7. The cassette deck stops automatically - when not required! - immediately or some time after switching on for recording or playback.

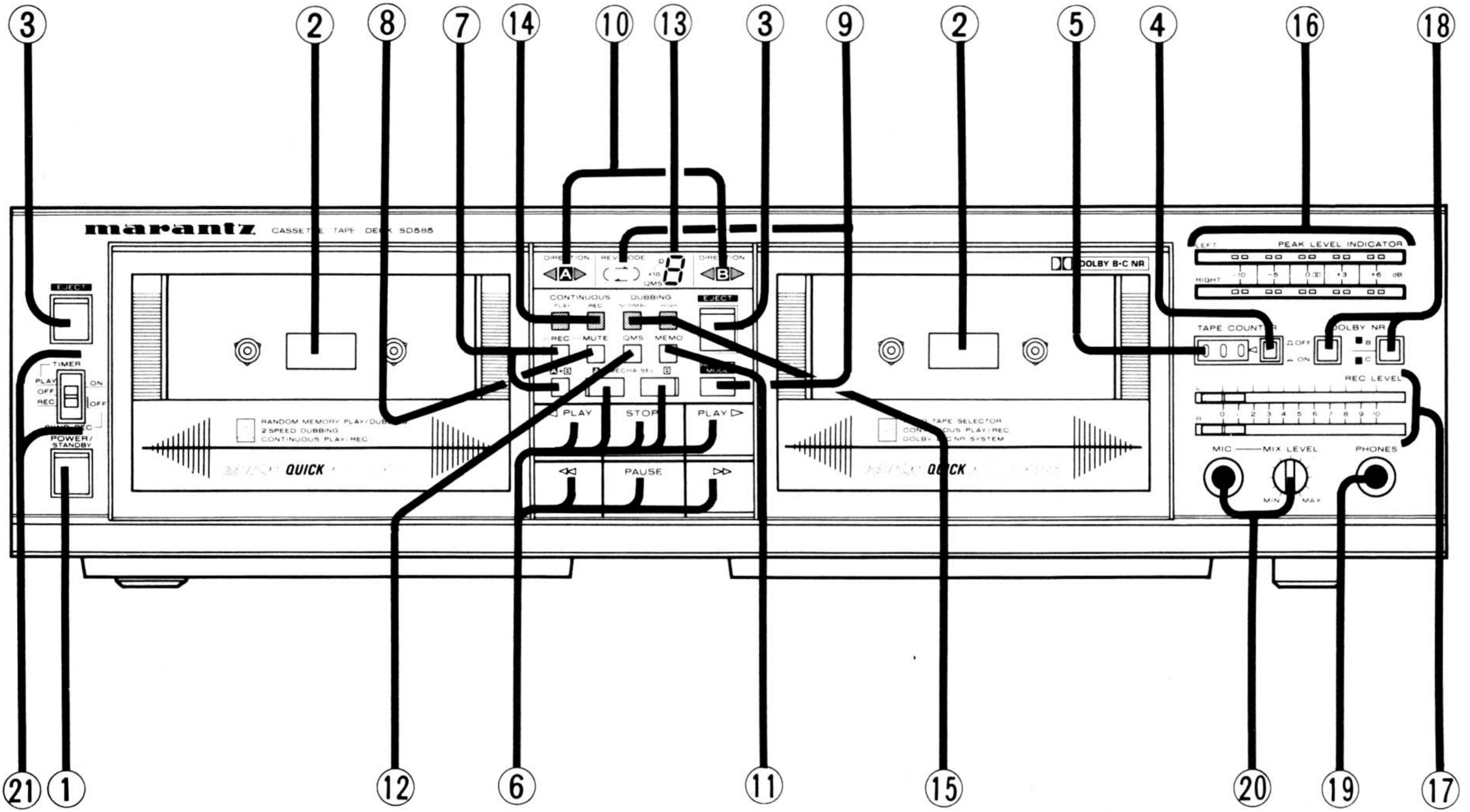
● The cassette has been incorrectly inserted in the cassette holder. Check the cassette and place it in the cassette deck correctly.

● The cassette has got stuck or runs very heavily. Wind and rewind the cassette a few times in the fast forward and fast rewind modes and/or tap firmly on a hard surface so that the reels are freed.

8. The cassette deck completely fails to operate; the indicators do not light up.

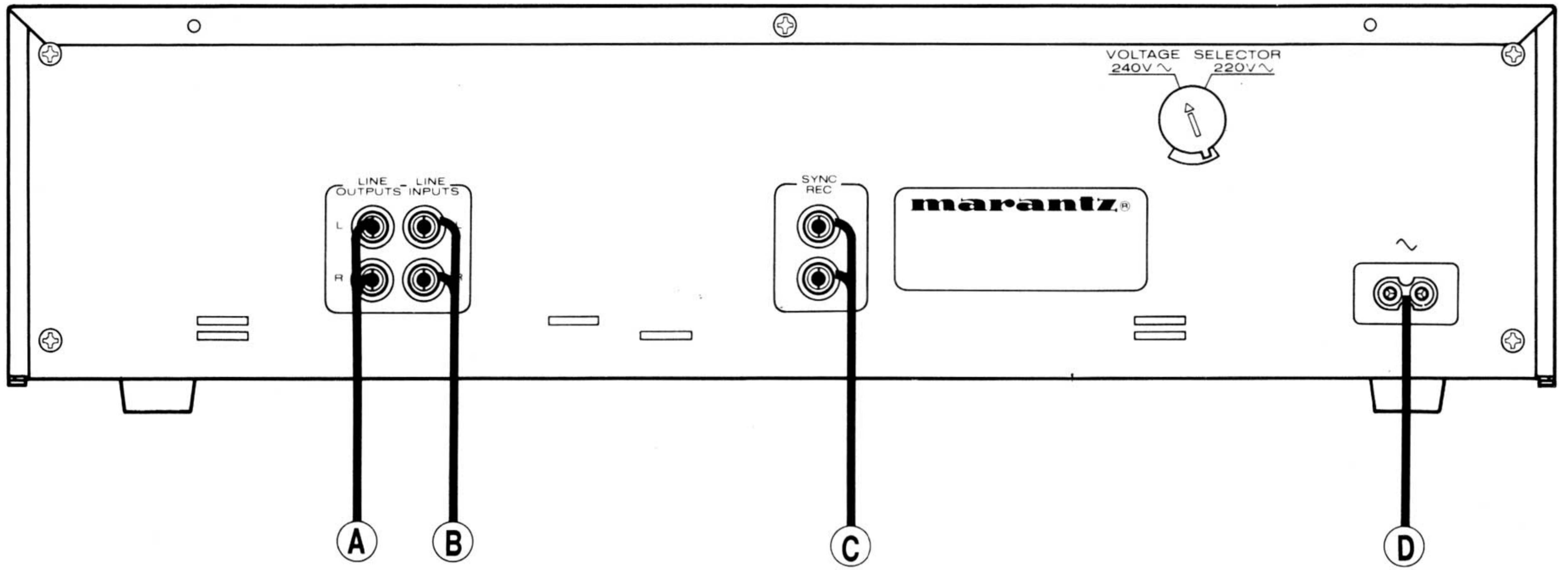
● The mains voltage to the cassette deck has not been switched on or the mains voltage has been interrupted. Check the mains switch, the mains lead and the mains voltage.

1

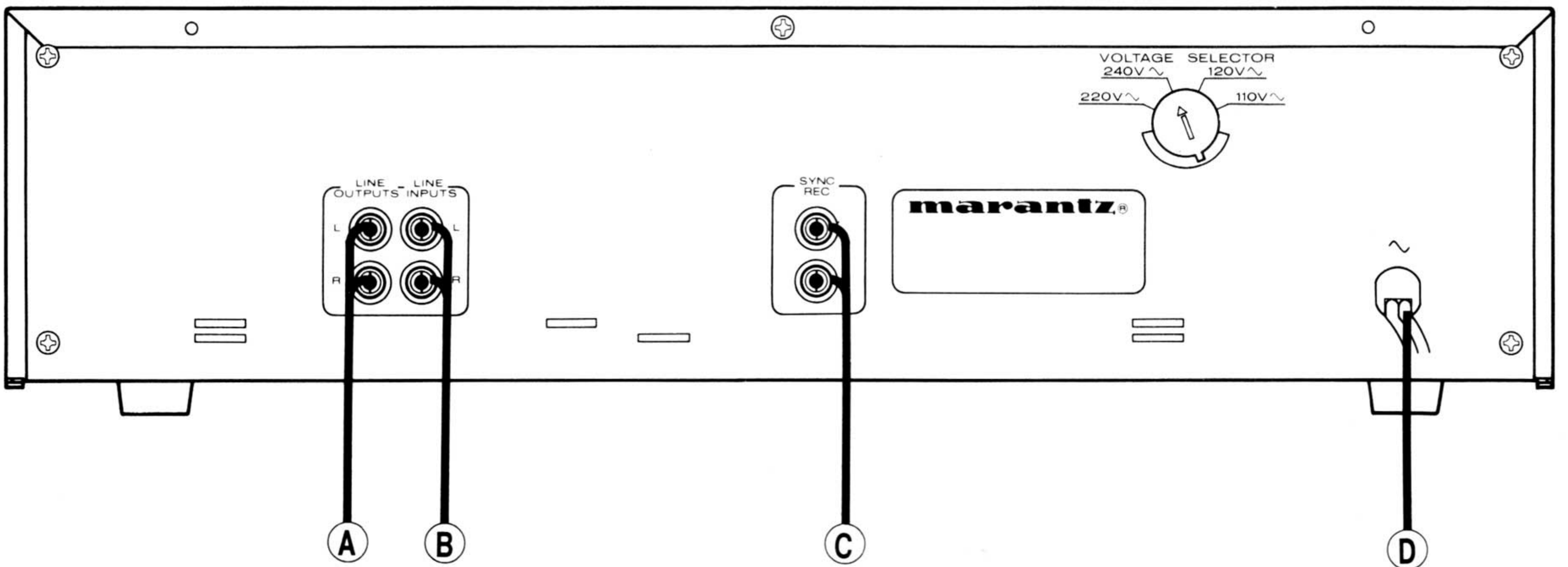


2

Model SD585 (N Version)



Model SD585 (E Version)



Style	Front load
Tape Drive System	Single Capstan Drive
Cartridge	Philips type compact cassette
Track System	Compatible Stereo 4-track 2-channel
Tape Speed	4.75 cm/sec
Heads	2 Head System x 2
Composition	Rec/Play: Super Hard Metal Alloy Erase: Dual Gap Ferrite
Motor	DC Servo Motor x 2 DC Motor x 2
Overall Frequency Response at -20 dB	
Normal Tape	20 Hz ~ 16 kHz
CrO ₂ Tape	20 Hz ~ 17 kHz
Metal Tape	20 Hz ~ 18 kHz
Signal-to-Noise Ratio:	
Dolby B/C (ON)	65/71 dB
Dolby (OFF)	56 dB
Wow and Flutter	
DIN WTD	0.13%
WRMS	0.07%
Outputs	
Line Level/Impedance	500 mV/2 k ohms
Headphone Level/Matching Impedance	50 mV/70 ohms
Input (Level at 0 VU)	
Line Sensitivity/Impedance	70 mV/40 k ohms
Mic Sensitivity/Impedance	0.6 mV/6 k ohms
Fast Rewind Time	90 sec. (C-60)
Fast Forward Time	90 sec. (C-60)
Power Requirements	
N and T Versions	220/240 V AC, 50/60 Hz
E Version	110/120/220/240 V AC, 50/60 Hz
Power Consumption	23 W
Dimensions	
Panel Width	420 mm
Panel Height	100 mm
Depth	260 mm
Weight	5.3 kg

MARANTZ INTERNATIONAL

P.O. Box 218
Building HCM-10
Vestdijk 9
5600 MD Eindhoven
The Netherlands

MARANTZ TRADING S.A.

80 Rue des Deux Gares
1070 Brussels
Belgium

ANDORRA

ISCHIA
Avigunda Carlemany 83
Les Arcades
Andorra

AUSTRIA

HORNYPHON
Vertriebsgesellschaft GmbH
Wienerbergstrasse 1
A 1101 Wien
Austria

AUSTRALIA

MARANTZ AUSTRALIA PTY. LTD.
Figtree Drive (off Underwood Road)
Homebush NSW 2140
Australia

BELGIUM

SVD DIVISION MARANTZ
Industrialaan 1
B 1720 Groot-Bijgaarden
Belgium

DENMARK

MARANTZ
Division of Philips Service A/S
Prags Boulevard 80
Postbox 1919
DK 2300 København S
Denmark

FINLAND

MARANTZ
Division of Oy Philips Ab
Kaivokatu 8
00100 Helsinki
Finland

FRANCE

MARANTZ FRANCE
4 Rue Bernard Palissy
F 92600 Asnières
France

GERMANY

MARANTZ GERMANY GmbH
Max-Planck-Strasse 22
D 6072 Dreieich 1
Germany

GREAT BRITAIN

MARANTZ AUDIO U.K. Ltd
Unit 15/16
Saxon Way Industrial Estate
Moor Lane
Harmondsworth UB7 0LW
Great Britain

GREECE

ADAMCO S.A.
P.O. Box 21025
Ippocratus Street 188
Athens 11410
Greece

ITALY

MARANTZ ITALIANA S.p.A.
Via Chiese, 74
20126 Milano
Italy

JAPAN

MARANTZ JAPAN INC.
35-1, Sagami Ohno 7-Chome
Sagamihara City, Kanagawa 228
Japan

KUWAIT

AL ALAMIAH ELECTRONIC INTERNATIONAL
Ussama Building
Fahd-Al-Salem St.
P.O.B. 23781
Safat
Kuwait

THE NETHERLANDS

MARANTZ
De limiet 3
NL 4131 NR Vianen
The Netherlands

NEW ZEALAND

MARANTZ
Division of Philips New Zealand Ltd.
68-86 Jervois Quay
G.P.O. Box 2097
Wellington
New Zealand

NORWAY

MARANTZ
Division of Philips A/S
Sandstuveien 40
Oslo 6
Norway

PORTUGAL

COREL
Av. Da Liberdade
211-2 ESQ
1200 Lisboa
Portugal

SAUDI ARABIA

AL ALAMIAH ELECTRONICS INTERNATIONAL
University Street
Al Shaikh Saed Abdullah Bldg.
Riyadh
Saudi Arabia

SPAIN

PHONO S.A.
Ignacio Iglesias 10
Barcelona (Badalona)
Spain

SWEDEN

MARANTZ
Division of Philips Försäljning AB
Tegeluddsvägen 1
S115 84 Stockholm
Sweden

SWITZERLAND

MARANTZ AG
Friedaustasse 9
8952 Schlieren-Zürich
Switzerland

YUGOSLAVIA

VELEBIT
Oour "Zastupstva Repromaterijala" O.Sol.O
Babukiceva 3A-P.O. Box 1044
YU - 41000 Zagreb
Yugoslavia

marantz® is a registered trademark.