

CDP-200

Instruction manual

CD Player

The objective of every Tangent product is that fundamentally correct design can produce a product capable of achieving excellent performance and affordability.

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This operation manual supplies all the information that you need to have about your Tangent CDP-200. Please read this operation manual carefully before you start using the unit!

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SAFETY PRECAUTIONS



A triangle with a lightning symbol draws the user's attention to "dangerous voltage" without insulation in the cabinet which may be high enough to entail a risk of electric shock.



A triangle with an exclamation mark draws the user's attention to important instructions for use and maintenance in the accompanying manual, which should be studied.



A symbol for CLASS II (double insulation)

WARNING:

TO MINIMISE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE. DO NOT OPEN THE CABINET AS IT CONTAINS DANGEROUS VOLTAGE. ONLY QUALIFIED TECHNICIANS ARE ALLOWED TO CARRY OUT REPAIR AND SERVICE.

CAUTION:

If the plug of the power cord needs to be replaced, it is important that the replacement is identical to the plug to be replaced, or that the new plug has been recommended by the manufacturer

TO AVOID ELECTRICAL SHOCK, IT IS IMPORTANT TO INSERT THE PLUG CORRECTLY INTO THE SOCKET.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: IT IS IMPORTANT THAT YOU READ AND OBSERVE BOTH THE INSTRUCTIONS IN THIS MANUAL AND THE INSTRUCTIONS ON THE UNIT. KEEP THIS MANUAL FOR FUTURE REFERENCE.

This unit was designed and manufactured with a view to providing maximum safety for the user. Incorrect use of the unit may cause electrical shock or fire. The protection devices built into this unit will protect the user if the procedures below are observed in connection with installation, use and repair. This unit is fully electronic and contains no parts that can be repaired by the user.

DO NOT REMOVE THE CABINET. RISK OF DANGEROUS VOLTAGE. ONLY QUALIFIED TECHNICIANS ARE ALLOWED TO REPAIR THE UNIT.

Read the manual

Upon unpacking the unit, please read the manual carefully and observe all the instructions given.



Power supply

Only the power supply indicated on the rating plate must be used for this unit. If you are not sure which power supply you have, please contact the distributor or the local electricity supplier.



Earthing or polarisation

If the plug cannot be inserted properly into the socket, or if the plug does not fit, the unit must not be used in your country.

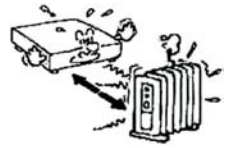


Ventilation

The cabinet is provided with slots and openings to ensure ventilation and reliable operation and to protect the unit against overheating. Do not block or cover these openings. The openings must never be blocked, for instance by placing the unit on a bed, a sofa, a carpet or similar surface.

Heat

Do not place the unit near sources of heat such as radiators, heat registers, ovens or other units that produce heat.



Water and moisture

The unit must not be placed close to water, such as bathtub, wash basin, kitchen sink or laundry tub, in a damp cellar or close to a swimming pool, etc.



Cleaning

Unplug the unit before cleaning. Do not use liquid detergents and aerosol cleaning agents. Use a dry cloth.



Power cords

Wiring must be organised to prevent people from stepping on the cables and to avoid pinching by objects placed on or beside them. Take special care around sockets and plug boxes and where the power cords leave the unit.



Overloading

Make sure that wall sockets, extension cords and plug boxes are not overloaded as this may lead to fire or electrical shock.



IMPORTANT SAFETY INSTRUCTIONS

Lightning

Unplug the unit for additional protection during thunder or when the unit is not used for prolonged periods. This will prevent damage to the unit from lightning and power surges.



Penetration of objects and liquid

Never push any foreign objects through the openings into the unit, as they may touch dangerous voltage points or short-circuit parts and thus cause fire or electric shock. Do not spill liquid on the unit.



Accessories

Do not place the unit on unstable surfaces such as a trolley, stand, tripod, shelf or table. The unit may fall and injure children or adults or be seriously damaged. Use only trolley, stand, tripod, shelf or table that is very stable or provided with the unit. The unit must be installed in accordance with the manufacturer's instructions and by means of installation equipment recommended by the manufacturer. If the unit is placed on a trolley, the trolley must be moved very carefully. Sudden stops, unnecessary force and uneven surfaces may cause the trolley to turn over.



Loads

Do not place heavy loads on the unit and do not step on it. The load may fall and cause serious injury to persons or damage to the unit.



Damage

Unplug the unit and contact qualified technicians in the following cases:

- A) If the power cord or the plug is damaged.
- B) If liquid has been spilled on the unit or objects have fallen into the unit.
- C) If the unit has been exposed to rain or water.
- D) If the unit does not work properly after adhering to the instructions in the operation manual. Only the settings described in the operation manual must be made as incorrect setting may result in damage and often will make it difficult for a qualified technician to make the unit work properly again.
- E) If the unit has been dropped or damaged in any other way.
- F) When the operation of the unit changes drastically, the unit requires service.

Service

Do not attempt to carry out any service work yourself. By opening or removing the cabinet, you will be exposed to dangerous voltage or other hazards. Any service work should be carried out by qualified technicians.



Spare parts

If spare parts are required, make sure that the service technician uses spare parts specified by the manufacturer or spare parts with the same characteristics as the original. Unauthorised spare parts may cause fire, electrical shock, etc.

Safety check

After service or repairs on the unit, ask the service technician to carry out a safety check to ensure that the unit is ready for use.



IMPORTANT INFORMATION

Handling instructions

- The top and back panel of the unit may become warm after prolonged use. This is not due to a defect.
- Turn off the power when the unit is not used.

Protect the power cord

- Follow the instructions below to prevent abnormal operation, electrical shock, fire or personal injury:
- Hold the plug firmly when inserting it into the socket.
- Avoid heat-producing devices.
- Do not place objects on the power cord.
- Do not carry out service work on or change the power cord.

Positioning

Do not place the unit in any of the fol. places:

- In sunlight, close to heat-producing devices or in an enclosed rack.
- In places with high temperatures (40C or more) or high relative humidity (90% or more).
- In dirty places as some internal parts may be damaged.

Do not put your fingers or any other objects into the unit

- Touching the internal parts is dangerous and may cause injury or damage. Do not open the cabinet.
- Do not place any foreign matter in the unit.

Interference

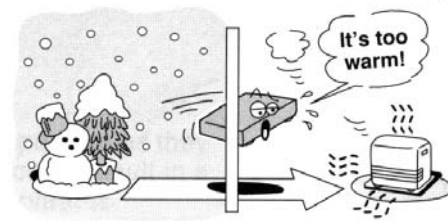
Placing the unit near a television set, radio or video player may cause poor picture and sound quality. In that case, move the unit further away from the television set, radio or video player.

Condensation

Condensation may occur in the following cases:

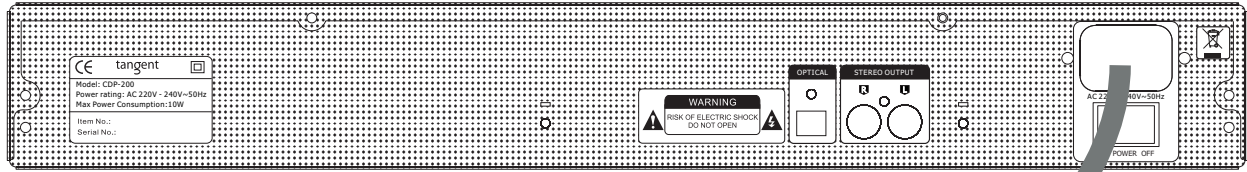
- When the unit is moved directly from a cold to a warm place.
- When the unit is used in a room where the radiator has just been switched on or a place where the cold air from the air-conditioning system is directed at the unit.
- If the unit is used in the summer in a warm and humid room just after it has been moved from an air-conditioned room.
- If there is steam or a high level of humidity in the room.

In case of condensation, the unit will not work properly. Turn off the unit. Unplug the unit and leave it for 2-3 hours. The unit will then have adapted to the environment and any condensation will have disappeared.

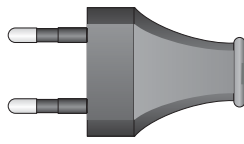
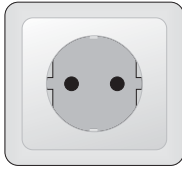


CONNECTION

Connection to the mains



230-240V AC~50Hz



**Do not turn on the power before all connections have been made correctly.
Check that all connections have been made correctly before turning on the power.
Check that the mains voltage is 230-240V AC50Hz before turning on the power.**

Connection to the mains

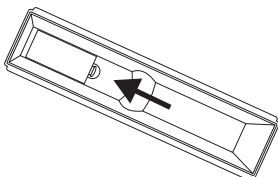
Check that all other connections have been made correctly before inserting the mains plug into the wall socket.
Then insert the plug into a suitable socket.

If the unit is to be used abroad, you may need an adapter.

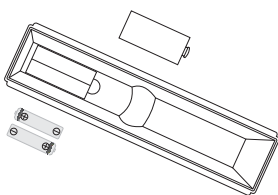
REMOTE CONTROL

Installation of batteries

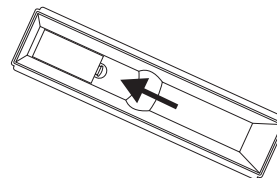
1 Remove the cover as illustrated.



2 Position two batteries of the type AAA/R03/UM4 in the battery compartment. Make sure that the orientation of the batteries is correct (see drawing at bottom).



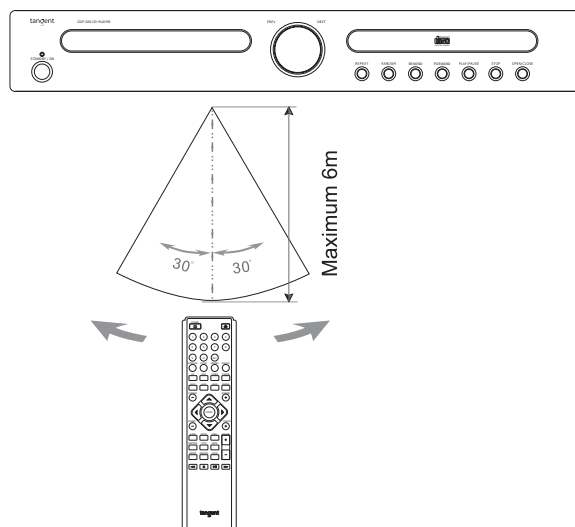
3 Replace the cover.



- Do not mix new and old batteries and do not use different types of batteries.
- If the remote control is not used for prolonged periods, remove the batteries from the remote control to avoid corrosion.

Using the remote control

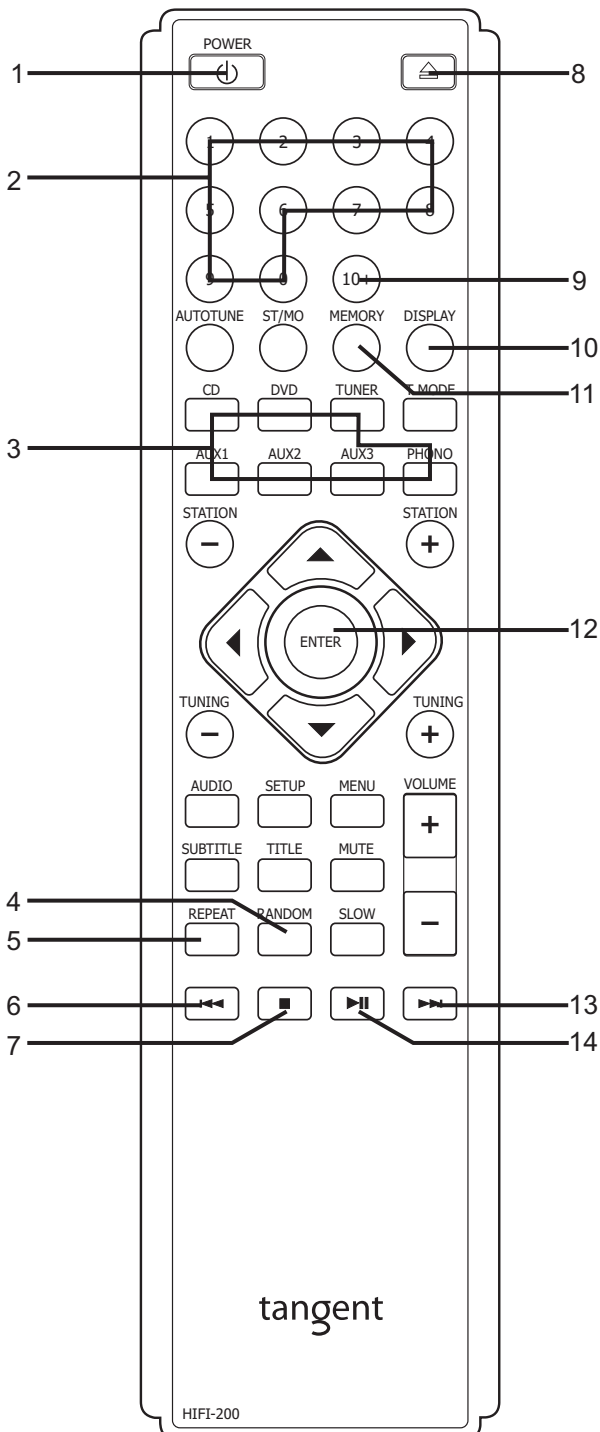
Direct the remote control at the sensor on the front panel of the unit. When the remote control signal is received, the unit reacts accordingly. The remote control works within a range of 6 metres.



- Sometimes the remote control does not work well in strong light. You may have to move the unit if it is a problem.
- Malfunction may occur if other remote controls are used near the unit.
- Do not place any objects on the remote control, as the batteries may become flat if a key is depressed constantly.
- Make sure that there are no obstacles between remote control and unit.
- Do not position the unit behind tinted glass as it may reduce the maximum range of the remote control.

REMOTE CONTROL

Remote control functions

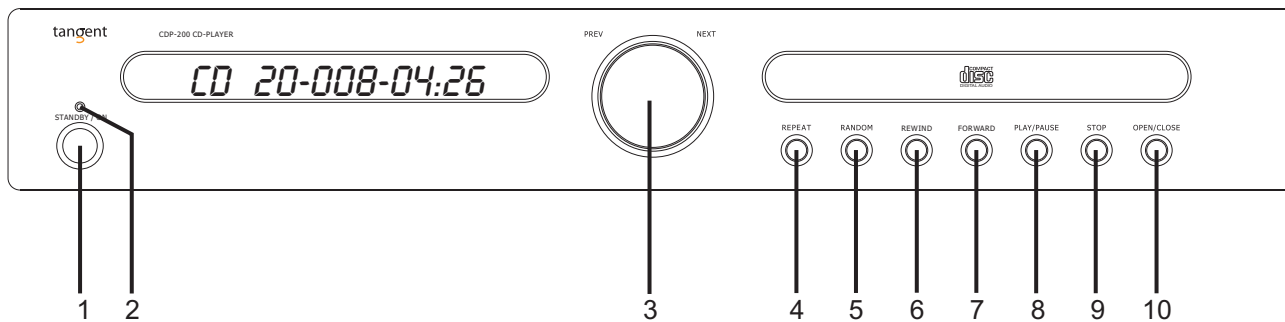


- 1 **System off:** Sets all devices in the hifi 200 series into standby
- 2 **0-9 Digits:** Selects tracks on the CDP-200.
- 3 **CD:** Turns the CDP- and AMP-200 on and selects the CD input on the AMP-200.
The DVD, TUNER, AUX1, AUX2, AUX3 and PHONO buttons will set the CDP-200 into standby.
- 4 **Random:** All tracks on the disc loaded in CDP-200 are played in random order.
- 5 **Repeat:** Repeats a single track or all tracks on a disc on CDP-200
- 6 **Previous/Fast reverse:** Selects the previous track on CDP-200. Press and hold to rewind playback
- 7 **Stop:** Stops playback on CDP-200
- 8 **Eject:** Opens and closes the disc tray on the CDP-200
- 9 **+10:** Use this button along with the 0-9 digits to select tracks on the CDP-200 above 10. For example press the +10 button and the 5 digit to select track 15 on a disc.
- 10 **Display:** Canges between showing the time of Track Elapsed, Track Remain and Disc Remain on the display
- 11 **Memory:** Use this button to set the playback order to a preferred order.
- 12 **Enter:** Use this button when setting the memory playback order.
- 13 **Play/Pause:** Starts and pauses playback on CDP-200.
- 14 **Next/Fast forward:** Selects the next track on CDP-200. Press and hold to fast forward playback

Some of the functions of the unit can only be performed by means of the remote control. Some functions are connected with the selected signal input source. Some buttons on the remote control may therefore not be available if the corresponding signal input source has not been selected.

FRONT PANEL AND CONNECTIONS

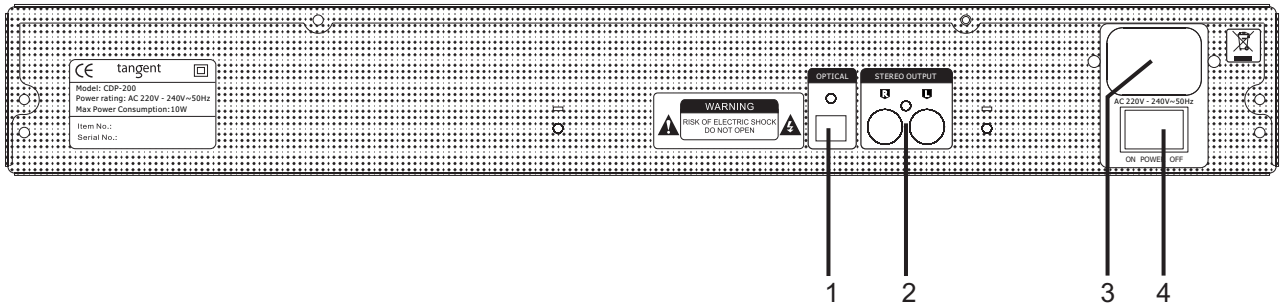
Front panel



1. **Standby/on:** Used to set the unit into standby, and turning it back on.
2. **LED indicator:** Lights green when the unit is turned on. Lights red when the unit is in standby.
3. **Prev/Next:** Selects the previous or next track.
4. **Repeat:** Makes it possible to play the tracks of a CD a certain order.
5. **Random:** Makes it possible to play the tracks of a CD in random order.
6. **Rewind:** Makes it possible to fast reverse.
7. **Forward:** Makes it possible to fast forward
8. **Play/Pause:** Starts playback at first press and stops playback at second press.
9. **Stop:** Stops playback completely.
10. **Open/Close:** Opens and closes the CD tray.

FRONT PANEL AND CONNECTIONS

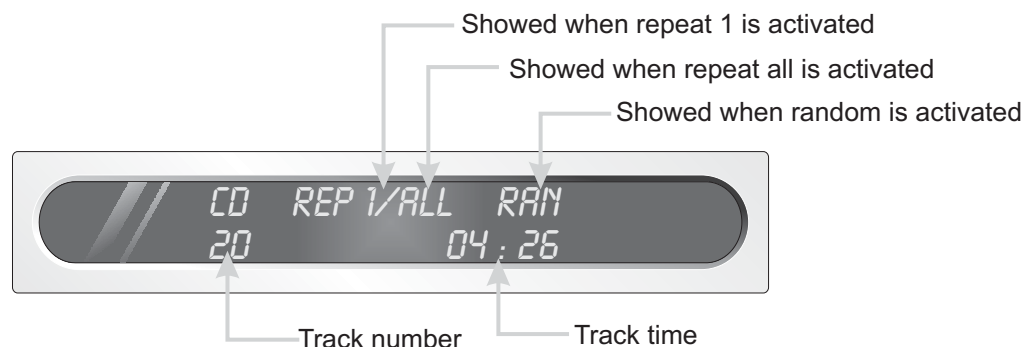
Connections



1. **Optical output:** For connecting to an amplifier or receiver digitally.
2. **Stereo Output:** Analogue stereo output. For connection to stereo amplifier or receiver with analogue input.
3. **AC input:** For connection of mains voltage. Make sure that the plug has been correctly inserted, and that the voltage corresponds to the text printed on the back panel of the cabinet.
4. **Main power switch:** Used to interrupt the mains voltage.

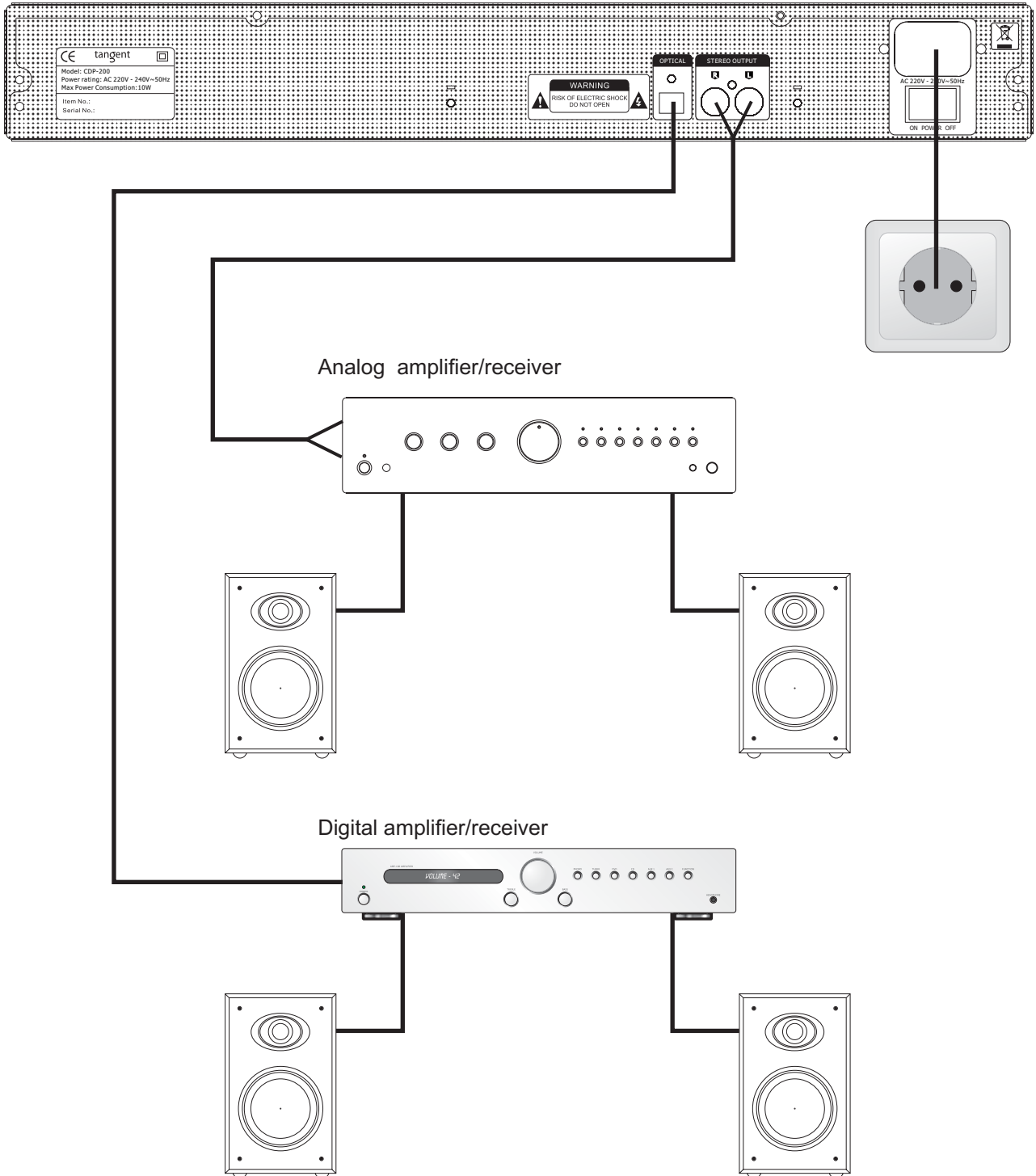
Explanation of display

This unit does not feature any OSD (On Screen Display). Instead it features a more descriptive DOT matrix display that displays all the information required. Below you can see a picture of the display and an explanation of the various symbols.



CONNECTION

Audio connection layout

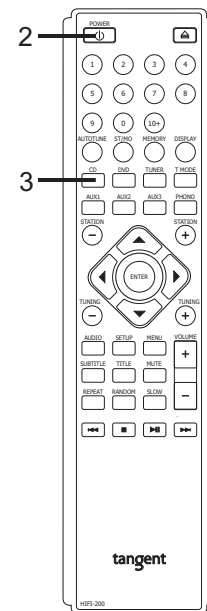
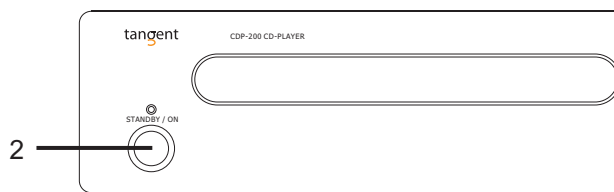


This page only contains suggestions for connection of your Tangent CDP-200. Note that the accessories in the pictures on this page are not included in the supply.

OPERATION AND FUNCTIONS

On, Off and standby

- 1 Turn on the unit by pressing the mains switch on the rear panel.
Then press the CD button on the remote, or the standby button on the front panel.
- 2 Press the standby button on the remote control to switch into standby mode. The display will turn off and all functions will be reduced to a minimum to make sure that the unit uses minimal power. When in standby mode the unit only reacts to the CD button of the remote control(3).
- 4 If you wish to turn off the unit to avoid any power consumption, you must press the mains switch on the rear panel.



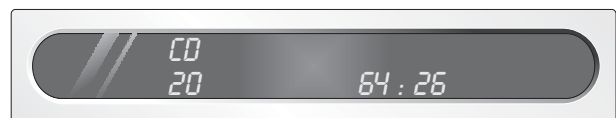
Protect the environment and turn off the unit after use.



Load a disc

If you want to play a disc, you must load it. You do that by pressing the eject button on the remote control or on the front panel of the CD player.
When the disc has been read, the display will show the number of tracks on the disc and the total playback time.

If there is not disc in the tray, the message "NO DISC" will be displayed.



Play

Press the PLAY/PAUSE button on the remote control or on the front panel once to start playback.

The counter on the left side of the display will start to count upward.



OPERATION AND FUNCTIONS

Pause

Press the PLAY/PAUSE button once more to stop playback.

The counter on the left side of the display will start to blink.

To continue playback, press the PLAY/PAUSE button again. The counter on the left side of the display will stop blinking and playback will continue.

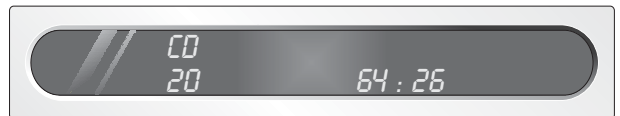


Stop/Clear

To stop playback completely, press the STOP button once.

The display will again display the number of tracks on the disc and the total playback time.

When the STOP button is pressed all previous programming settings will be deleted.

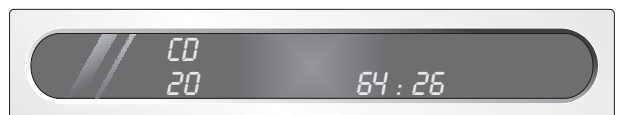


Previous and next

When a CD track is being played it is possible to switch to the previous track or to the next track.

If you want to continue to the next track, you must press the >>1 (next) button on the remote control or on the front panel once. If you want to move on several tracks, you must press >>1 until you reach the track desired.

If you wish to go back to one of the previous tracks, you must use the same procedure but not the same button. Use the 1<< (Previous) button instead.



OPERATION AND FUNCTIONS

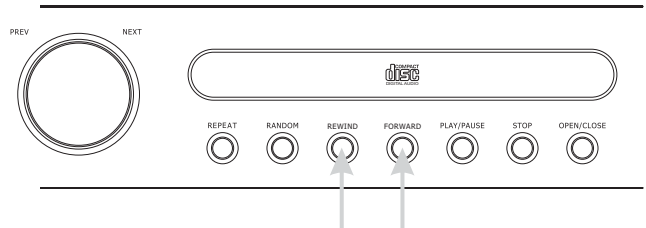
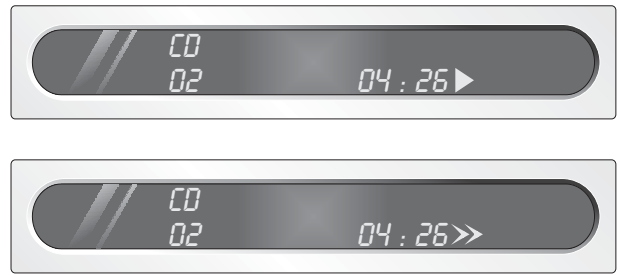
Forward and rewind

It is possible to perform a search in the track played.

If you wish to search forward, press and hold the >>I (next) button on the remote until you get to that part of the track that you wish to hear, and then let go of the button again. You will see that the time counter in the display counts up very quickly, and the symbol ">>" is shown on the display.

If you wish to search backward, use the same procedure as when you search forward, but use the I<< (Prev) button instead.

It is possible to activate the search function by pushing the Forward and Rewind buttons on the front panel.



Random

It is possible to select random play by pressing the RANDOM button on the remote control or the front panel.

The CD tracks will be played in random order. The display will show the text RAN when this function has been activated.

It is possible to activate random play both in stop mode and during playback.

Press the RANDOM button again if you wish to deactivate random play.

Note:

When you press I<< or >>I during random play, it will not be possible to select the next track but any other track.



OPERATION AND FUNCTIONS

Program

The CDP-200 can be programmed to play the tracks of a CD in a certain order.

Press the MEMORY button when playback has been stopped.

The display will show the message "MEM01 = 01"

The number to the left is the total numbers of tracks programmed.

The number to the right is the track number programmed to the number in the programmed order.

Finish the programming by pressing PLAY.

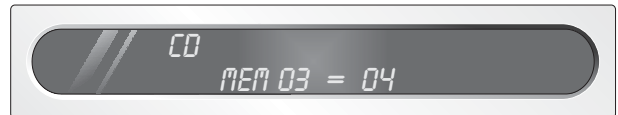
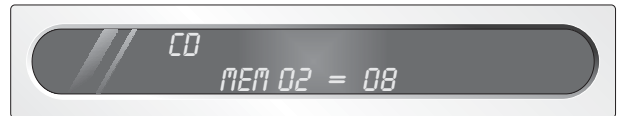
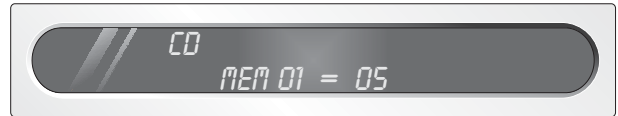
For example if you wish to program the track numbers 5, 8, 4 in this specific order the following must be done:

- Press the MEMORY button.
- Press the number 5 button.
- Press the ENTER button.
- Press the number 8 button.
- Press the ENTER button.
- Press the number 4 button.
- Press the ENTER button.
- Confirm the programming by pressing PLAY.

Press the STOP button and then the MEMORY once to deactivate the programming function. Then the normal display will return.

Note:

When you press |<< or >>|, you will select the next track in the programmed order.



Repeat

The CDP-200 can be set to repeat one or all tracks of a CD. This is done by means of the REPEAT button on the remote control or the front panel.

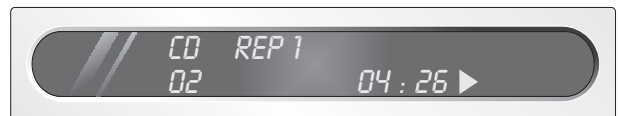
If you press the button once, one track will be repeated and the display will show REP 1.

If you press the button twice, all tracks will be repeated and the the display will show REP ALL

If you wish to deactivate the repeat function, press the REPEAT button for a third time.

Note:

This function can also be used when "MEMORY" has been activated.



TROUBLESHOOTING

Troubleshooting

PROBLEM	CAUSE/REMEDY
No power when unit is turned on.	<ul style="list-style-type: none">- Switch on the electric current at the socket.- Check that the plug has been correctly inserted into the socket.- The internal fuse has blown and must be replaced by a qualified service technician.- The power cord has been damaged and must be replaced.
No sound.	<ul style="list-style-type: none">- The unit has not been turned on.- Incorrect connection to the amplifier.- No loudspeakers have been connected to the amplifier.- No CD in the unit.
The unit will not read the disc.	<ul style="list-style-type: none">- Check if the disc has been turned upside down.- Check if the disc is clean and undamaged.- Check if it is a CD or a CD-r.
The unit skips some parts during playback.	<ul style="list-style-type: none">- Check if the disc is clean and undamaged.- The unit is positioned on an unstable surface.
A buzzing can be heard.	<ul style="list-style-type: none">-The RCA cables between the CDP-200 and the amplifier/receiver have been damaged.-The RCA cables between the CDP-200 and the amplifier/receiver have been wound around the power cord.

TECHNICAL DATA

Technical data

Compatible disc types		CDA
Output voltage		2.0V +/-0.2V
Frequency characteristics (Reference: 1kHz 0dB)	20 Hz 0dB	-0.5 dB +/- 1 dB
	100 Hz 0dB	0 dB +/- 1 dB
	10 kHz 0dB	-0.5 dB +/- 2 dB
	20 kHz 0dB	-3.0 dB +/- 2 dB
Channel balance		< 2.0 dB
Separation		> 60 dB
Harmonious distortion (T H D + noise)		< 0.05%
Signal/noise ratio		> 90 dB
Voltage and power consumption		See the rear panel
Dimensions (WxDxH)		430 x 240 x 60 mm

We reserve the right to change the technical data and the design of the product without notice as a result of further development.

Tangent cannot guarantee the playback of homemade CD-R/RW and DVD+/-R/RW because of the several different types of discs and different types of software for producing these discs.

The playback ability of a CD-R/RW and DVD+/-R/RW depends on the disc and the software that made it.

Service hotline +45 9641 1599
For further information please visit our website:

www.tangent-audio.com

Item no. 40554

