

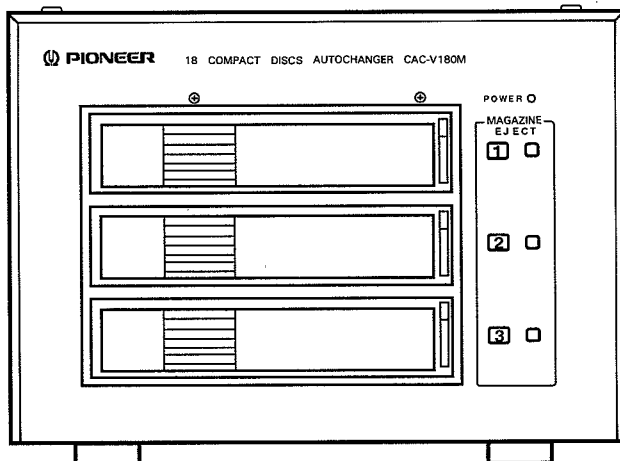
Operating Instructions

CD AUTOCHANGER

CAC-V180M



COMPACT
disc
DIGITAL AUDIO



Thank you for buying this PIONEER product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT
EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

"This product complies with the Radio Interference requirements of the EC (European Community) Directive 87/308/EEC."

"Dieses Produkt entspricht den Funkentstörvorschriften der EG (87/308/EEC)."

"Cet article est conforme aux prescriptions de la directive communautaire de la CE nr. 87/308/EEC (arrêté du 16/8/89)."

"Questo apparato è conforme al D.M. 13 Apr. 89 (Dir. 87/308/CEE)."

"Este aparato cumple las normas para Interferencias de Radio establecidas por la Directriz de la CE (87/308/EEC)."

"Este produto satisfaz às exigências das normas sobre interferências de rádio da Comunidade Económica Europeia (87/308/EEC)."

"Dit produkt voldoet aan de radio-ontstoringsvoorschriften van de Richtlijn van de EG Raad (87/308/EEC)."

"Dette produkt overholder det gældende EF-direktive no. 87/308/EEC vedr. radiostøj."

PIONEER®
The Art of Entertainment

IMPORTANT 1



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last (make sure that the power switch is off.)

FOR USE IN THE UNITED KINGDOM

WARNING: This plug must only be connected to electronic apparatus equipped with suitable sockets. If not, cut off the plug and fit an appropriate type in accordance with the instructions below. The cut-off plug must be disposed of as an electrical shock hazard could exist if connected to a socket outlet.

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

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal of a three pin plug.

[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appears on your changer.

Location: rear of the changer

CLASS 1
LASER PRODUCT

VRW-328

VARNING!

Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning som överskrider gränsen för laserklass 1.

ADVARSEL:

Usynlig laserstrålning ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, daß der/die/das

Pioneer Typ: CAC-V180M CD-Wechsler

(Gerät, Typ, Bezeichnung)

funkentstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

in Übereinstimmung mit den Bestimmungen der

DBP-Vfg. Nr. 1045/1984 und Nr. 1046/1984

(Amtsblattverfügung)

Pioneer Electronic Corporation

Name des Herstellers/Importeurs

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. If you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

Condensation

If the temperature difference between the changer and environment is too large, water will condense in the changer and the system may not operate properly. For example, if you bring the changer into a warm room from outside in cold weather, or if you increase room temperature abruptly, condensation may result.

If condensation occurs, leave the changer for one hour in the room. Always increase room temperature gradually.

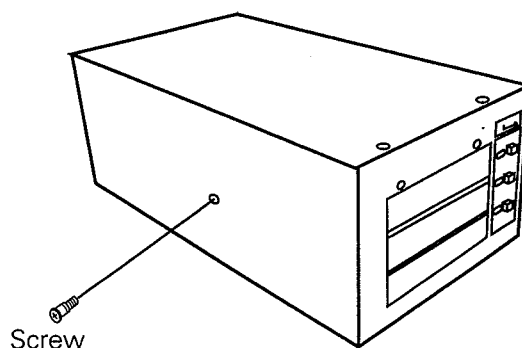
REMOVING THE TRANSPORT SCREW FROM THE CD AUTOCHANGER

The vibration-protection of the CD Autochanger is fixed with the screw for shipping.

Before using the CD Autochanger, turn this screw counterclockwise and remove.

Retain this screw as it will be necessary when the unit is to be transported.

Also, before transporting the CD Autochanger, take out all of the magazines, turn off the power and unplug the power cord from the outlet. Then install the transport screw by turning it clockwise. Fasten the screw securely.



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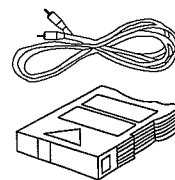
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ACCESSORIES

Audio cable x 1

6-Compact Disc Magazine x 3

Operating Instructions x 1



HANDLING PRECAUTIONS

Installation

Select an installation site with a flat, solid surface. Do not install the system where it will be subject to any of the following conditions:

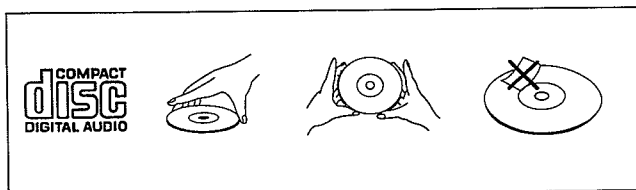
1. **Exposure to direct sunlight or a heater**
2. **High humidity or dust**
3. **Proximity to bathroom or kitchen**
4. **Exposure to spotlight**
5. **Proximity to any electric apparatus such as a refrigerator, air conditioner, dimmer, etc.**
6. **Uneven or unsteady installation surface (If the surface is not flat, first put down a hard plate or similar support so that the system is installed level.)**
7. **Location where service and maintenance would be difficult.**

If you install the system close to a wall, be sure to leave a space between the wall and the system so that the rear of the system is accessible.

Avoid placing objects directly on the CD Autochanger.

Handling the discs

- Use CDs marked with the symbol shown below (optical digital audio discs.)
- Avoid touching the signal surface when you use a disc. To hold it, place your fingers on the edge of the disc or the edge of the center hole and the disc edge.
- Do not attach paper or stickers to the label side of the disc. Handle discs carefully and avoid damaging the label.
- Discs rotate at high speed in the changer. Do not use defective discs (e. g., cracked or considerably warped). Such discs may damage the changer.



Disc care

- Fingerprints or dust on the disc will not directly affect the signals recorded on it. However, sound quality may decline, since such contamination diminishes the intensity of the light reflected from the signal side. Therefore, discs should be kept clean. When you clean a disc, use a soft cloth and carefully wipe towards outer edge of the disc.
- If the disc is heavily soiled, wipe off the dirt using a soft cloth soaked with water, then wipe the water off using a dry cloth.
- Do not use spray-type record cleaner or anti-static agent. Do not use benzine, thinner or similar volatile chemicals as they may dissolve the disc surface.

Disc storage

- CDs are made of plastic, like conventional audio records. Take proper care to prevent discs from warping. Always put them in their case and store them vertically away from humidity or extremes of temperature. Do not leave your discs on a car seat for a long time.
- Be sure to read the instructions supplied with discs.
- CD lens cleaner
The CD Autochanger pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, consult your nearest PIONEER authorized service center. Lens cleaner for CD Autochanger are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

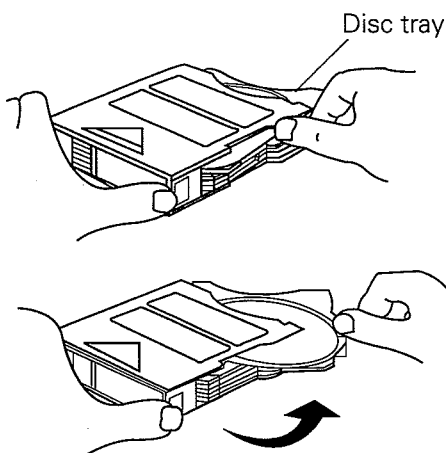
Cleaning the changer

To clean the panel and the cover, use a soft, dry cloth to wipe off dust and dirt. If the cabinet is heavily soiled, wipe off the dirt using a soft cloth soaked with neutral detergent diluted 5 to 6 times. Then wipe the water off with a dry cloth. Do not use benzine, thinner, insecticide or similar volatile chemicals, as they may dissolve or discolor the cabinet surface. If you use a chemical polishing cloth, carefully read the instructions supplied with it.

INSTALLING DISCS INTO THE MAGAZINES

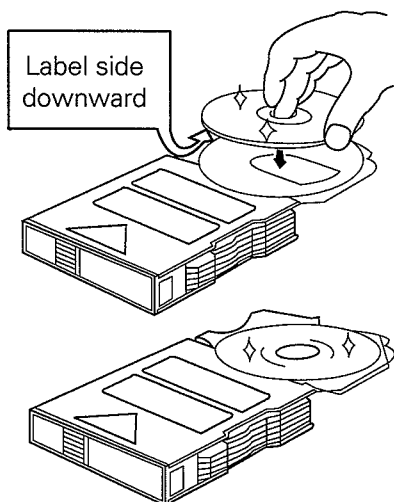
Insert any discs which you may have into the magazine. Up to six discs may be inserted. The numbering of the discs begins with 1 at the topmost tray, and then increases in order from 2 to 6 for the lower trays.

1. Pull out only one disc tray.

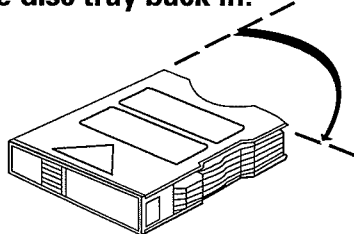


Make sure to pull out only one disc tray.

2. Position discs with the label side downward.



3. Push the disc tray back in.



4. Insert other discs by repeating steps 1 to 3.

NOTE:

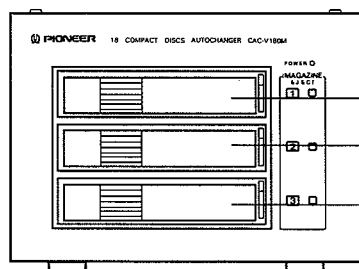
- Please make sure to only pull out one disc tray at a time.
(When a disc tray has been pulled out, do not pull out other disc trays.)
- If discs are inserted label side upward, it will not be possible for them to be played. Please make sure to insert them with the label side downward.
- Objects other than discs (song cards, explanations of disc contents, etc.), must never be inserted into the disc trays.
- Do not touch the playing surface of discs (the iridescent side) with hands or fingers.

5. Insert the magazine into the appropriate magazine insertion slot of the CD Autochanger until it clicks.

6. Insert the magazines into other magazine insertion slots by repeating steps 1 to 5.

IMPORTANT

Make sure to insert all three magazines into the three magazine insertion slots of the CD Autochanger. Otherwise, the CD Autochanger will not operate. Insert an empty magazine if no discs are required.



CAUTIONS REGARDING HANDLING OF MAGAZINES

- When inserting a magazine into the CD Autochanger make sure that the direction of insertion is correct.
- After use, store in the case provided. Do not place in locations subject to high temperatures or exposure to direct sunlight.
- Do not take magazines apart.
- Be careful not to drop or hit magazines against things. Also, do not apply strong force to trays which have been withdrawn.
- Application of benzene, thinner, insecticide or other volatile liquids to a magazine may damage the surface, so keep magazines away from such substances.

INSTALLING DISCS INTO THE MAGAZINES

CAUTION

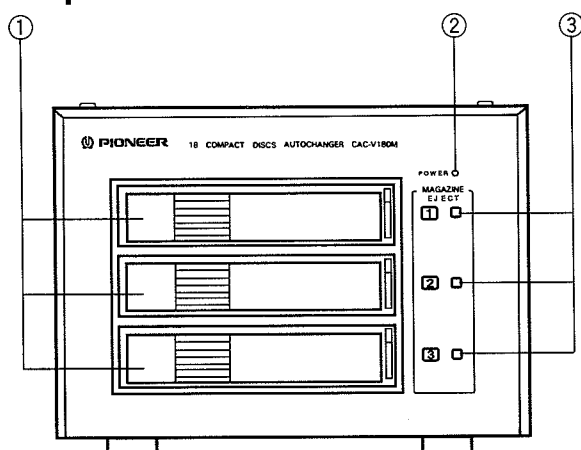
The magazines are consumables.

When playback time of one disc tray in the magazine has been reached 5,000 ~ 8,000 times, be sure to change for new one.

When exchanging the magazine, use the separately sold magazine (JD-MV201) only.

PANEL FACILITIES

Front panel



① Magazine insertion slots

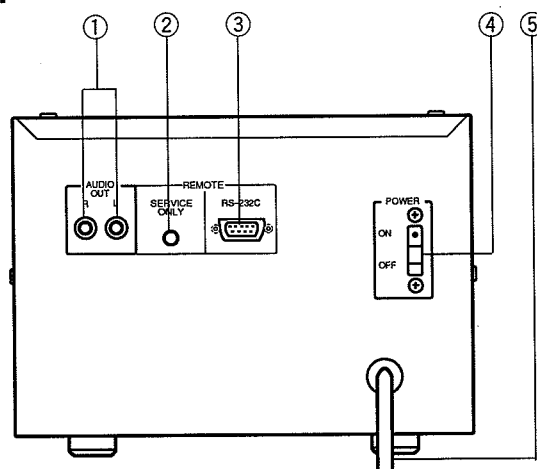
Insert the 6-Compact Disc Magazine. Make sure to insert all three magazines into the three slots. Otherwise, the CD Autochanger will not operate. Insert an empty magazine if no disc is necessary.

② POWER indicator.

③ EJECT buttons

Press to eject the magazines. The magazine cannot be ejected when the power is turned off.

Rear panel



① AUDIO OUT jacks

Connect to the specified AUDIO IN jack of the amplifier.

② REMOTE SERVICE ONLY jack

Connect to the specified CONTROL OUT jack of the wired remote controller (for a servicing personnel).

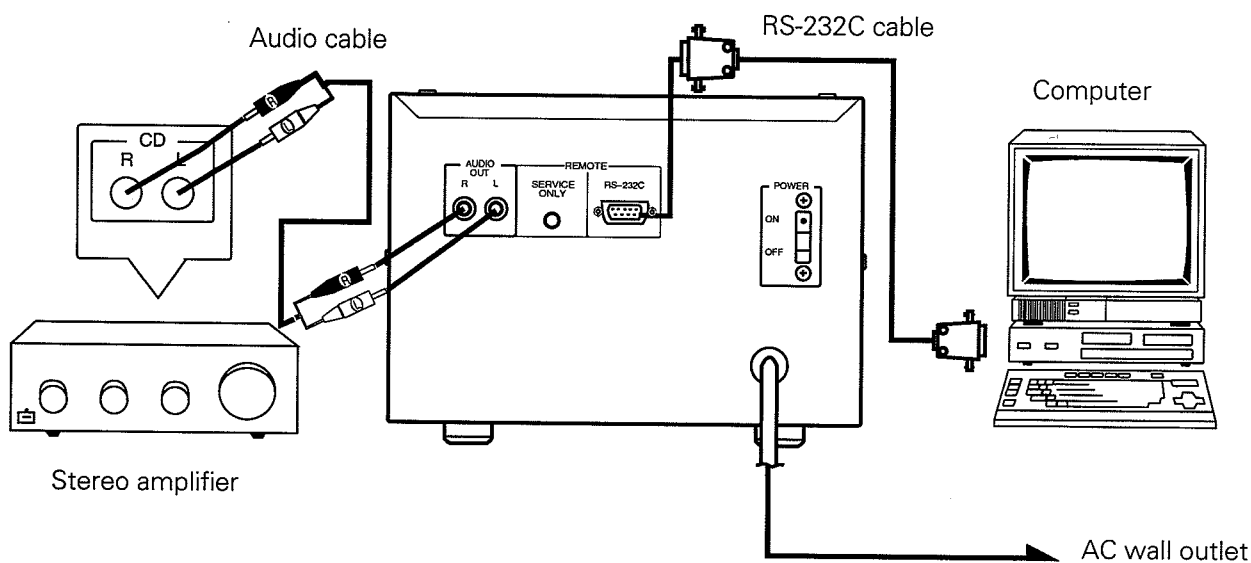
③ REMOTE RS-232C

RS-232C interface for connection to a computer or controller.

④ POWER switch

⑤ POWER cord

CONNECTIONS

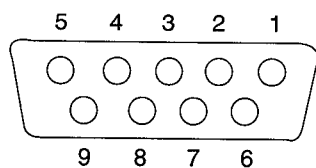


INTERFACE CONNECTOR TERMINALS

Used when external control is performed by using a controller or a computer.

REMOTE RS-232C Terminal

RS-232C Control terminal (D-sub 9-pin female)



For details of the protocol, please consult your dealer.

[Terminal names]

Pin No.	Pin Name	I/O
1		
2	TxD	Output
3	RxD	Input
4		
5	GND (SG)	
6		
7		
8	DTR	
9		

NOTE:

When making the control program, be sure to insert the program which counts playback time to check the lifetime of the unit.

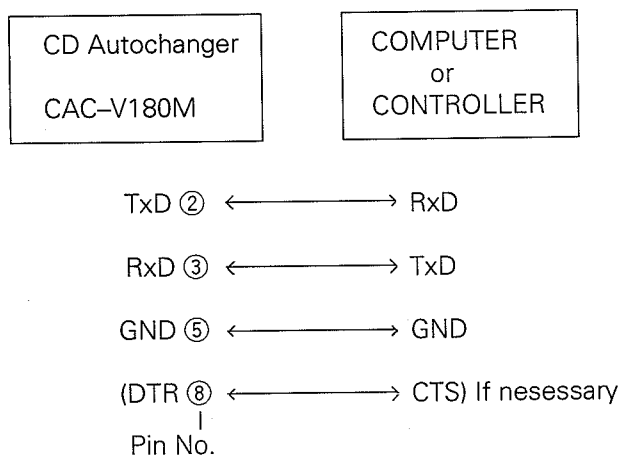
INTERFACE CONNECTOR TERMINALS

NOTE:

- Do not connect terminals 1,4,6,7 and 9 to ground; make sure it is free.
- Be sure to perform plugging and unplugging when the power is turned off.

CONNECTIONS TO COMPUTER RS-232C PORTS

Connect the CD Autochanger TxD, RxD and GND to the computer RxD, TxD and GND respectively. TxD and RxD are provided for RS-232C levels. The CD Autochanger DTR (Terminal 8) is connected to the computer CTS (Clear To Send), if necessary. (Use a separately sold interface cable.)



SPECIFICATIONS

General

System CD Autochanger
Power supply AC 220 – 240 V, 50 Hz
Power consumption 28 W
Weight 6.6 kg
Dimensions 228 (W) x 442 (D) x 169 (H) mm
Allowable operating temperature range +5°C to +35°C
Allowable operating humidity range 5 to 85 %
(no condensation)
Storage temperature -40 to +60°C

DiscsCD (5-inch only)

Connection terminals
Output level 1.8 ± 0.3 Vrms
Output impedance 1.5 k Ω or lower
Signal-to-noise ratio 94 dB
Frequency response 4 Hz to 20 kHz ± 1.5 dB
Distortion 0.1% at 1 kHz
Dynamic range 90dB or more
Channel separation 86 dB
Level difference between right and left
..... 1.0 dB or less
Wow and flutter less than 0.001 % (W.PEAK)

Function

Disc storage Max. 18 discs

Accessories

Audio cable 1
6-Compact Disc Magazine 3
Operating Instructions 1

NOTE:

Specifications and design subject to possible modifications without notice, due to improvements.

Maintenance:

In order to ensure the safe and correct function of this unit, we recommend regular maintenance. Extended service life can be expected if maintained properly.

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