TONE WINNER

SOURCE

VOLUME / MENU

TONE WINNER

24 Bits/384 Khz Top Class CD Player

AD-89D

AD-89D
User Manual

ISO9001 Quality Management System Certified Enterprise

TONE WINNER

Product packing list

Number	Item	Quantity
1	Manual	1 pcs
2	Power cord	1 pcs
3	Certificate of qualification	1 pcs
4	Remote	1 pcs

Pollution Control Sign and Content Description

The symbol indicates that the product can be reused. The figure indicates the term of service of environmental protection. The product will not cause environmental pollution or affect human body and property within the term of service expressed by the figure since the date of manufacture as long as the safety and operating precautions on the product are obeyed.

Name and Content of Toxic or Harmful Substance or Element in the Product

Name of Parts	Toxic or Harmful Substance or Element					
	Lead Pb)	Mercury Hg)	Cadmium Cd)	Hexavalent chromium Cr)6+	Polybrominated （PBB）	Biphenyls polyphenyls （PBDE）
Body/Box	○	○	○	○	○	○
Equipped Baseplate/ Electrical Part	✕	○	○	○	○	○
Plastic Structural Member	○	○	○	○	○	○
Metallic Structural Member	○	○	○	✕	○	○
Cable	○	○	○	○	○	○
Transformer	○	○	○	○	○	○
TransformerLoudsp-eaker/ Microphone	✕	○	○	✕	○	○

Marks:

"○"means the content of the hazardous toxic substance is lower than SJ/T11363-2006 standard required.

"✕"means in a homogeneous material of the component the contentof the hazardous toxic substance is higher than SJ/T11363-2006 standard required.

Note："✕" as there are no substitutable substances under the existing technology

Thank you for using our audio products. With the philosophy of "high technology, high quality and high taste", we make products with durable materials, exquisite technique, rigorous circuit & advanced technology and offer professional service!

Contents

Safety Warnings and Protective Measures

1 Read the protective measures: read all warning messages about protection and operation in the instructions carefully before using the equipment.

2 Follow instructions: please follow the instructions and do not violate the instructions.

3 Place the product on where manufacturer recommends: to avoid overturning, do not push too hard or suddenly stop when moving.

4 Keep away from water and moisture: do not place equipment near water such as bathtub, basin, sink, washing machine, etc. Do not use equipment at high temperatures or high humidity environment, such as a damp basement.

5 Cleaning: do not use liquid or mist cleaners. Please use dry cloth to clean. Turn off the machine and power off before cleaning the equipment.

6 Power supply: use the power supply according to marks and tags. Connect and place the wires properly. Do not step on wires to avoid damage. Pay special attention to wires to plugs, receptacles and connecting ports.

7 Ventilation: the cabinet of equipment is designed with venting holes. To ensure reliable performance, please avoid overheating and do not cover the equipment. Do not use the equipment on beds, sofas, carpets etc.

Newspapers, tablecloths, curtains, and other objects may block venting holes. Do not put the equipment close to window curtains. If it is put in devices such as bookcase and rack, please pay attention to the ventalitaion and cooling. Keep a distance of 10cm (4") on left, right, top and rear sides. Equipment bracket or rear of top cover should have a distance of 10 cm (4 ") to rear panel or the wall, to keep venting space.

8 Keep away from heat: do not put that machine near heat sources, such as radiators, stoves and other objects that generate heat (including power amplifiers).

9 Prevent unknown objects or liquids - objects or liquids should be prevented from falling through the holes into the equipment, because it might contact with current or live parts that might cause fire or electric shock. Do not place the equipment in rain or water splashing place. Do not put water containers such as vases on top of it.

10 Please connect well all input/output wires before switching on.

11 Thunder and lightning: unplug the power cable in thunder and lightning weather because it can effectively prevent lightning impulses to protect the equipment.

12 Protections: unplug the machine when you do not use it for long period. Good grounding can prevent the machine from being damaged.

13 Maintenance: do not open the cabinet without

professional instruction to avoid electric shock.

Contact with the product managers where you

buy this machine in the following cases:

a) Unknown parts or liquid enter the machine.

b) The machine is soaked.

c) The machine works abnormally.

d) Machine falling or damage.

14 Battery: for environment protection, please

dispose batteries in appropriate ways.

15 Disconnection device of main power supply:

this machine uses power plug and coupler as

the disconnecting devices. Power plug and

coupler should be easily operated.

16 This product is only suitable for safe use in

altitude below 2000m.

17 This product is not suitable to be used in

tropical climates.

Instructions Prior to Use

■ General matters

1. Please secure the machine at the well-ventilated place with accessible space 10 cm in width at its two sides, and above and behind it.
2. Don't apply oil, chemical solvent, volatile oil, paint or pesticide to the equipment.
3. Don't place the equipment in moist environment with the temperature being as high as above 60 or extremely low.
4. Please keep the equipment away from direct exposure to sunlight, strong magnetic field, high temperature and electrical devices which may cause interruption (computer at home, fax machine, etc.)
5. Please fixate the power socket when pulling out the power plug.
6. Don't open the shell of the equipment without permission to avoid electric shock. Please contact TONEWINNER maintenance.
7. Please place local distributor for the equipment at a stable place with leveling surface and without vibrations, and no articles are allowed to be placed onto the equipment.
8. If no sound is heard, please turn off the power of the unit and turn on in 10 seconds.
9. In the operation of the machine, in case of any thunderstorms, please pull out the power plug.

■ Warning

The voltage used for the machine must be consistent with that in the specifications. We assume no responsibilities for fires or other accidents due to the use of voltage not within the scope as specified.

■ Note

1. Please read this manual carefully prior to use.
2. We reserve the rights to interpret this manual.
3. The actual product shall govern in case of any discrepancy of appearance, color and picture.
4. Please make this manual and invoice kept properly after reading.
5. The product is subject to upgrades in technology or software without notice.
6. It is recommanded to put only audio files in USB/TF card when you select this source.
7. When BT is not able to connect after use a period of time, please reboot the unit to try again.

Product Introduction

AD-89D is an mid-high integrated amplifier, which designed with Tonewinner's 30 years technical experience, and to meet the market desire of multi-functions. This product combined with multi-functions such as CD player, streaming media player, preamp decoder and amplifier. The circuit is mature and stable, the materials are solid and high quality, making the product reliable and durable. The sound is round and delicate, the cost performance is extremely high, it is the representative masterpieces of the new generation of digital Hi-Fi amplifier.
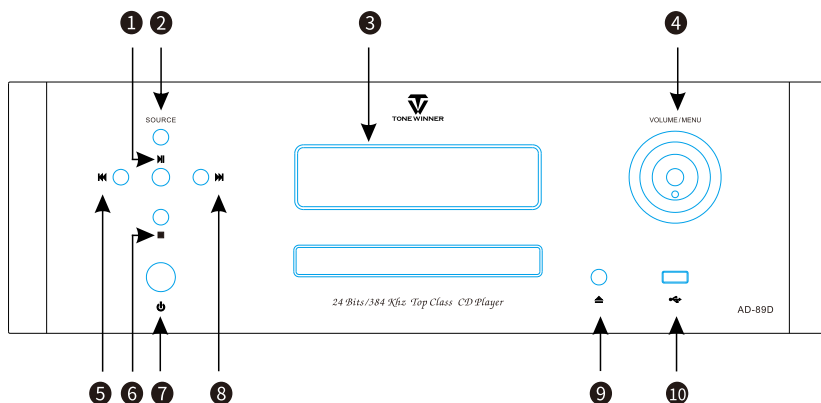
Main functions

- CD player
- Supports 128g U disk, TF card local playings, supports main lossless music formats of WAV, flac, APE etc.
- Supports high quality Bluetooth transmission, can connect to mobile phone, pads, computers equipment that has BT output.
- Supports USB-Audio input, can be used as high end external sound cards for computer.
- Supports HDMI-ARC transmission, can connect with TV to realize audio playback.
- 3 ways Coax and 1way Optical digital input, support PCM decodes.
- 3 ways analog input, 1 way pure amplifier input.
- Supports SW-OUT ultra subwoofer out, can connect to powered subwoofer.
- Independent circuit design for preamp and amplifier. Can take or plug out the U loop on rear panel to realize pure preamp or pure amplifier.
- Supports tweeter and subwoofer adjustments.
- Supports APP and remote control.
- Supports 110V/220V auto detect and switch.

Main Features

- Adapts low distortion high speed Hi-Fi ultra Class A circuit design, with high conversing energy to maintain round and delicate sound quality.
- Perfect amplifier protecting circuits: short protection, overheat protection, high frequency protection and direct current protection.
- Metalwork structure with multi individual sealing chambers, can reduce free electromagnetic waves and signal interference.
- Metalwork design add two heavy metal parts to the bottom of mechanism and middle part of chassis, that guarantee double strong supports to the mechanism.
- one 350VA high quality tordial transformer, up to 40000uF audio capacitors, and big audio amplifier tubes parallel outputs to provide extremely high current output ability.
- power output for each channel: 130W/8Ω
- High frequency is clean, bright and transparent. Mid frequency is mellow with strong resolution. Low frequency is springy and accurate in deep.

Front Panel

24 Bits/384 Khz Top Class CD Player

AD-89D

❶ **Play/pause**

Play/pause/mute composite key. When the unit is in CD, BT, TF, USB etc. sources,

it act as play or pause function. When the unit is in COAX, OPT, AN1, AN2, AN3,

ARC etc. sources, it act as mute function.

❷ **Source selection**

Press the key to select sources of optical, coaxial, CD, BT, TF, USB, PC, AN1,

AN2,AN3, ARC etc.

❸ **Display**

❹ **Volume/menu control knob**

Adjust the volume when working normally, press the button to enter parameter

adjustments function.

❺ **The previous song**

Short press to choose the previous song, long press for quick backward. (short

press to select song work for CD, BT, TF, USB sources, long press for quick backward

for CD, TF, USB sources).

❻ **Stop**

Stop playing discs.

❼ **Power standby**

Press the key when working normally will go to standby, and press the key when

in standby will turn on.

⑧ The next song

Short press to select the next song, long press for quick forward. (short press to select song work for CD, BT, TF, USB sources, long press for quick forwork for CD, TF, USB sources)

⑨ Open/Close

The switch for mechanism pallet.

⑩ U disk input

Detailed instructions for volume/menu knobs

Press the button, enter "MENU", rotate "VOLUME" knob, you can operate within "INPUT", "BALANCE", "BASS", "TREBLE", "BYPASSMODE", "SETDIM" , "RESET" , "INFO" options. Then rotate the "VOLUME" button again, select "RETURN", press the knobs to return to menu, or you can select "EXIT" to return to the main interface.

Menu functions descriptions of AD-89D :

MENU:

INPUT(source selection):

AN1(analog input 1), AN2(analog input 2), AN3(analog input 3), CD(CD input)

COAX1(coaxial input 1), COAX2(coaxial input 2), COAX3(coaxial input 3)

OPT(optical fiber input), ARC(ARC audio source input), BT(Bluetooth input)

TF(TF card input), USB(USB disk input) , PC(computer audio input)

RETURN(Return to the previous interface)

BALANCE(balance adjustment):

Adjustment range :L10---0.0-- R10

RETURN (Return to the previous interface)

BASS(BASS adjustment):

Adjustment range: - 10 db - 0 db - + 10 db

RETURN(Return to the previous interface)

TREBLE(TREBLE adjustment):

Adjustment range :-10dB----0dB----+10dB

RETURN(Return to the previous interface)

BYPASS MODE(Straight through mode):

Adjustment range: OFF(turn off straight through mode, the high and low tones

are valid)/ ON(turn on the straight through mode, the high and low tones are invalid)

RETURN(Return to the previous interface)

SET DIM(VFD display brightness adjustment):

Adjustment range is DIM OFF- DIM10

RETURN(Return to the previous interface)

RESET(Default):

YES (Default confirmation)

RETURN(Return to the previous interface)
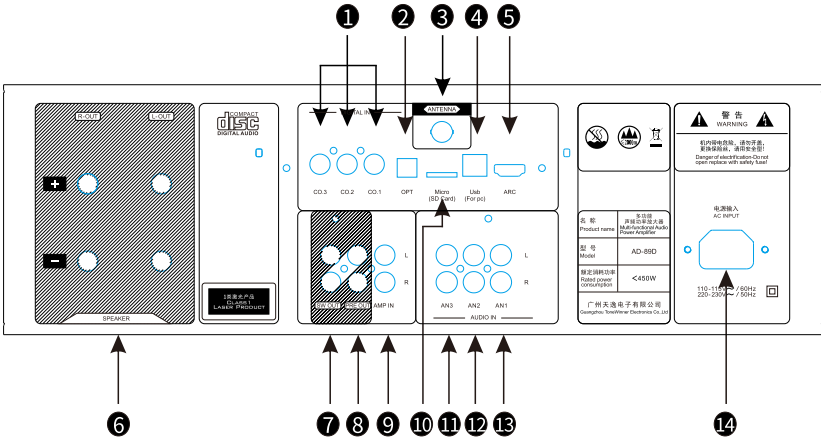
INFO(version information):

VER 1.0

RETURN(Return to the previous interface)

EXIT(Return to the main interface)

Or wait 15 seconds, the program will automatically RETURN to the main interface.

Rear Panel

❶ **3 ways of COAX digital inputs (CO1,CO2,CO3; 24bit 192KHZ);**

❷ **1 way of OPT digital input (OPT; 24bit 192KHZ);**

❸ **ANTENNA(Bluetooth antenna);**

❹ **USB-Audio computer audio input;**

❺ **ARC audio input**

For TV supporting ARC function, the TV audio can be sent to the device through this interface;

❻ Speaker output

L-OUT: left channel speaker terminal, "+" connected to the positive/red terminal

of the speaker: "_" connected to the negative/black terminal of the speaker;

R-OUT: right channel speaker terminal, "+" connected to the speaker positive/red

terminal: "_" connected to the speaker negative/black terminal;

❼ SW-OUT bass signal output

Users can connect to active subwoofer

(when the machine is mute, this port has no output signal);

❽ PRE OUT line output

the signal of the machine is connected with the short-circuit ring to "PREOUT"

and "AMPIN" together. If the short-circuit ring is removed, any signal input

terminal of the machine will not be effective;

9 **AMP IN amplifier input**

The signal of the machine is connected together with the "PREOUT" and "AMPIn"

by the short-circuit ring. If you want to use the amp as pure power amplifier,

please remove the short-circuit ring, and input the signal at the "AMP IN" port.

Please refer to the #6 of the **main usage guides**.

10 **Micro SD Card(TF card input);**

11 **AN1 Analog input port;**

12 **AN2 Analog input port;**

13 **AN3 Analog input port;**

14 **Power input port;**

Function introduction of remote control

❶ **Standby**

Press to enter the standby during normal working status. Press to turn on while in standby status.

❷ **Mute**

When the machine's input is CD/BT/TF/USB etc., it work as play and pause functions. When the machine's inputs is COAX/PC/AN1/AN2/AN3/ARC etc., it work as mute function.

❸ **Digital selection**

Valid for CD source only.

❹ **Replay of A-B selections**

Valid for CD sources only.

❺ **REPEAT**

Single song replay/full disc replay (valid for CD source only).

❻ **INFO**

3 display modes: single song playing time, single song remaining time, the remaining time of the whole disc (valid for CD source only).

❼ **'📺'**

Stop playing (valid for CD source only).

❽ **'⏏'**

Open/close tray.

❾ **BAL L+/R+**

Balance adjustment for left and right channels.

❿ **Volume +**

To increase the volume.
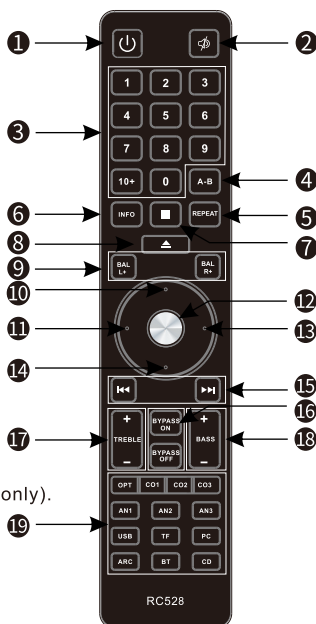
⓫ **Fast backward key**

Press and hold this key to play fast backward (only valid for CD/TF/USB sources).

⓬ **Play/pause**

Composite key of play/pause/mute (When the machine's input is CD/BT/TF/USB etc.,it work as play and pause functions. When the machine's inputs is COAX/PC/AN1/AN2/AN3/ARC etc., it work as mute function).

⓭ **Fast forward key**

Press and hold this key to play fast forward (only valid for CD/TF/USB sources).

⑭ Volume -

To reduce the volume.

⑮ Previous track/next track

Valid only for CD/BT/TF/USB sources.

⑯ BYPASS ON / BYPASS OFF key

Press this key to enable or disable the pass-through mode. The treble and bass

adjustment are invalid in BYPASS ON status, and valid in BYPASS OFF status.

⑰ Treble +/ Treble - control key

Press this key to increase or decrease treble.

⑱ Bass +/ bass - control key
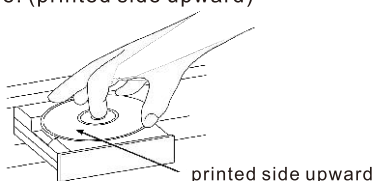
Press this key to increase or decrease bass.

⑲ Audio source direct selection key

Press this key to select the corresponding audio source directly.

How to use this machine

Play disc

● Press the "⏏" button on front panel or remote control to OPEN the disc tray, the screen will display OPEN.

● Place the disc as shown as below picture. (printed side upward)

printed side upward

● Press the key "⏏" on front panel or remote control to CLOSE the disc tray, the screen will display CLOSE and then LOADING. After reading the disc information, the player will start playing.

● Then you can choose to play the entire disc, or you can also use the number key of the remote control to selectively play any song, or use the "◄◄ ►►" key on remote / front panel to select the previous song or the next song, or long press the "◄◄ ►►" key on remote/ front panel to realize fast backward or fast forward playing the song.

Stop and Pause

● When playing the disc, press the " ■ " key on front panel/remote to stop the disc playing, the track time and progress bar stop. Then when you press the " ►|| " key, the disc player starts to play from the first song.

● When playing the disc, press the " ►|| " key on front panel/remote to pause the disc playing, the track time and progress bar stop. Then when you press the " ►|| " key , the disc player will recover from the paused position and continue to play.

Repeat Playing

● Press REPEAT key on the remote for 1st time, CD player will go into single track replay, and OSD will show ‾REP. ONE‾ . REPEAT key for the 2nd time, CD player will replay all the Disc and the OSD will show ‾REP. ALL‾ .Press REPEAT key for the 3rd time, it will cancel the repeat playing and OSD will show ‾REP. OFF‾ .

● For the section which you want to repeat playing, please press A-B button on remote to select a start point, OSD will show ‾ · A —‾ .When you play to the stop point, press the A-B button again, OSD will show ‾A — B‾ . the section you select will repeat playing. Press A-B again to cancel section repeat playing, then OSD will display ‾AB OFF‾ .

Track Selection (This operation valid for CD only)

Press the number keys 0--9, 10+(on the remote control) to select the track you want to play. When playing the disc, if you want to play the fifth song, press the number key 5. If you want to play the tenth track, press the number 0. If you want to play the 15th track, press 10+ first, then press number you want to choose.

Source Selection

There are audio sources of OPT, COAX1, COAX2, COAX3, CD, BT, TF, USB, PC, ARC, AN1, AN2, An3 etc. Press the SOURCE key on front panel or remote, you can chose the one you need.

Time Display (This operation valid for CD only)

● The default track running time is single track playing time. Press the INFO button of the remote control, you can select the display of the single track playing time, the single track remain time or the remain time of the whole disc.

U disk/TF Card Play

● For normal playback of U disk or TF card, the format of U disk or TF card need to be FAT32 or exFAT formats. And the songs formats are WAV, FLAC, APE, MP3 etc.

● Plug the U disk or TF card with songs in the corresponding slot, the machine will automatically switch to the corresponding audio SOURCE. If the machine does not automatically switch to the corresponding source, please press the source key on the front panel or remote to select the source, so it will automatically start playing.

Wireless Transmission of Mobile Phone

● Press the SOURCE key on front panel or remote to select the source BT.

● Turn on Bluetooth of the phone, search for AD-89D, and click the pairing to connect. After the connection is successful, you can play the song on the phone.

Computer USB Audio Playback

● The machine supports 24Bit 48KHz sampling rate of computer audio transmission (drive free).

● Insert one end of the USB cable into USB Audio slot of the machine, and the other end connect to USB port of the computer, then open Audio player on computer, set its audio device as :USB Audio.

● The working mode switch: select audio source PC on front panel or remote.

Digital audio playback

● This machine supports digital audio signal input with maximum 24bit 192kh sample rate.

● Press SOURCE on front panel or remote to select audio source of OPT, Coax1, Coax2, Coax3.

Mobile Phone APP

In order to better experience this machine, we have carefully developed a mobile phone APP which supported by this machine as wireless control. You can complete the switches and operations of all the above functions through your mobile phone. If you use APP for the first time to control this machine, you need to execute steps (1), (2), (3), and after then you only need to execute steps (3):

(1) Make this machine in normal working state.

(2) Scan the QR code on the right after the mobile phone is on the Internet, scan the AD-89D APP software and complete the installation.

(3) Turn on bluetooth on mobile phone, find the product model and match it.

(4) After turning on the AD-89DApp software, find the AD-89D device name and click the connection. The mobile phone will automatically switch to the audio source synchronized with this machine. After that, you can control the machine through the mobile APP.

(5) For more APP use operation details, please refer to the official website of Tonewinner.

Main Specifications

SN: ≥ 95db (A weight, rated source electromotive force 1V)

Frequency response: 10Hz-50KHz (+1/-3dB)

Distortion: ≤0.05%(1kHz, A weight)

Output power: 130W (8Ω 1 channel, 1kHz, THD = 1%)

Input impedance: 10K

Rated load impedance: 8Q

Gain: 41dB +1dB

Max. consumption: 450W/8Ω

Power voltage: 110V -115V ~ /60Hz or 220V -230V ~ /50Hz

N.W: 12.7kg

G.W: 14.8kg

Unit size 1: 430x360x132mm (W x D x H /exclude feet, knob, sockets)

Unit size 2 : 430x397x151mm (W x D x H /include feet, knob, sockets)

Packing size : 546x483x232mm (W x D x H)

Execution standards: GB4943.1-2022, GB/T9254.1-2021, GB17625.1-2012

(Note: The specification may be changed slightly without further notice.)

Precautions

1 The machine should be placed in a good ventilation place, because it is a high power amplifier, the internal heat is severe, in order to ensure the safe and reliable works, good heat venting conditions are required. Do not place this machine in a small and closed place, and do not stack objects above the machine to ensure the smooth heat of the venting holes. If this machine is poor venting, it will affect the life of the machine lightly, or seriously the machine will be burned directly.out further notice.)

2 Do not let this machine work in the overload state for a long time. Do not drive the volume too much to make it work under overload status of the cutting wave distortions. If the operation of the amplifier protection circuit work, please check if it is overheat, don't turn on again until it is cool down.

3 Matching of the machine with speakers. The speaker matching ability of this machine is quite strong. It can almost connect to more than 95% of the home speakers, but you should also pay attention to some problems of the speaker:

(1) The impedance of the speaker should not be too low. It is best not to be lower than 4Ω. The machine performs the best performance when the speaker is 4 ~ 8Ω, especially 8Ω impedance.

(2) The sensitivity of the speaker should not be too low. It is best not to be lower than the 86dB. Speakers with a sensitivity of 87dB are best performed.

4 The brightness of the VFD display of this machine has 10 level options, from DIM OFF to DIM 10. You can use the DIM function on menu or remote to adjust the brightness.

5 The cables connected to this machine must be reliable and accurately . Please don't wrongly connect the positive and negative polarity or the left and right channels.

6 After removing short ring between PREOUT and AMP IN, this machine will be used as a pure power amplifier. Then the signal input and volume adjustment of this machine will not work, the preamp volume knob will control the volume.

(Notes: when using this machine as a pure power amplifier, please pay attention to the turn on sequences of the source equipment, the preamp and the power amplifier. Firstly turn on the source equipment, then turn on the preamp, lastly turn on the amplifier. Then when turn off, firstly turn off this unit, then turn of source equipment, lastly turn off preamp. Otherwise, it may cause damage to the speaker).

Equipment Safety Standard: Class II

1 Before use, please read the instruction manual and this safety precautions carefully.

2 The product should be installed in a ventilated and dry place that is convenient for heat venting, to avoid water and oil fume.

3 The safety protection class of this machine is a class II device. The power plug can access power voltage of 110V-115V~/60Hz or 220V-230V~/60Hz.

4 To prevent electric shock, users should not disassemble the machine by themselves.

5 It is not advisable to turn on and off frequently. After turning off, you should wait for a few minutes to reboot it.

6 When the machine fails, users should send it to the designated merchant or maintenance department for maintenance or send to the factory for repair. The user should not open the back cover for inspection or repair to avoid accidents.

7 The plugs, power cords, insurance pipes, power switches, and power transformers used in this machine are all safety parts. When the maintenance department need to replace safety parts,please follow the factory's advice to choose correct model, specifications parts from designated manufacturers.

If there is a change in this product specification, it will not be notified separately.

Problem Shooting List：

Before contact repair person, please use below chart for checking the problem and its solution:

Problem	Reason	Solution
No display on OSD	Power cord is loose	Plug in tightly the power cord.
	Didn't press the power button	Press the power button.
	Fuse on rear panel burned out	Replace with the same specification fuse.
No sound	Audio connecting cable is loose	Reconnected the cable.
	The connected device is not set correctly.	Reset the audio input channel of the connected device.
Output sound is distorted or on and off	Audio cable is loose	Reconnect the cable firmly.
	The Disc is dirty	Clean the Disc.
OSD shows UN DISC	The DISC format is unreadable	Put in the readable Disc.
OSD shows NO DISC	No Disc	Put in a Disc
	Disc is upside down	Keep the printed label side upward.
	The Disc is dirty	Clean the Disc.
	The Disc is damaged	Change a good Disc.
Bluetooth audio fail connection	Bluetooth in standby mode,	Turn off AD-89D and reboot after 10 minutes; disconnect the Bluetooth device on your phone; research and try to connect equipment with name of AD-89D.
	Bluetooth audio connection is not correct.	
App control problem	Bluetooth is connected by other phone or computer; App control channel fail connection;	Make sure App is the latest version; in normal working status, press the SOURCE key on front panel of AD-89Dfor about 5 seconds to remove all the original pairing information; Turn off AD-89D and reboot after 10 minutes; Disconnect all the BT devices on mobile phone; Reboot APP to search device.