

AT-2300PRO

User Manual

ISO9001 Quality Management System Certified Enterprise



TONE WINNER

Accessories

Number	Item	Quantity
1	Manual	1 piece
2	Power cord	1 piece
3	Certificate of qualification	1 piece
4	Remote control	1 piece
5	HDMI cable	1piece

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	○	○	○	○	○	○
Transformer Loudspeaker/ 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 content of 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!

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Important Protective Measures for Attention

	WARNING ELECTRIC DANGER DO NOT OPEN	
<p>To reduce risk of electric shock, do not remove the outer cover (or rear panel).</p> <p>For maintenance, it should be carried out by qualified maintenance people.</p> <p>To avoid fire and electric shock hazards, do not get the unit wet or damp.</p> <p>Equipment safety standard : Class II</p>		

- 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.
- 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.



Main Features

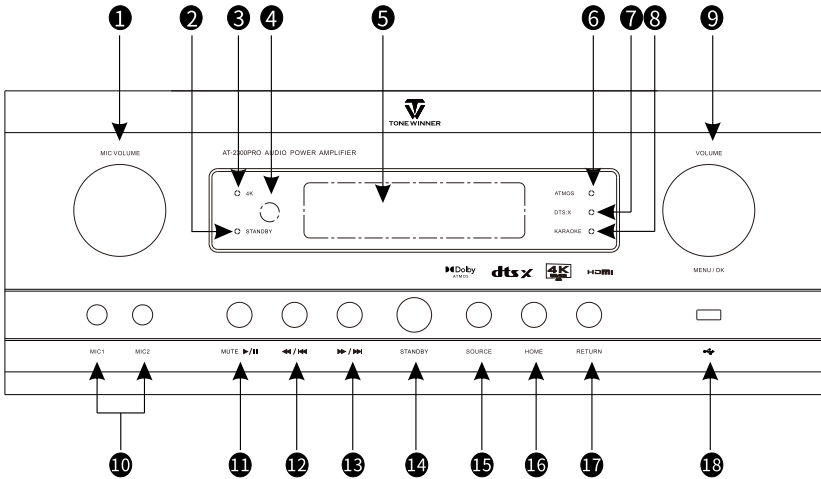
- 1 Support Dolby Atmos, Dolby True HD and all backward Dolby audio formats.
- 2 Support DTS:X, DTS-Master and all backward DTS audio formats.
- 3 Support Dolby Vision and HDR 10 video signal.
- 4 Support 4K/60Hz, RGB4:4:4, 18GHz bandwidth HD video signal.
- 5 Support HDMI2.0, HDCP2.2.
- 6 HDMI ARC and CEC.
- 7 HDMI 6 in 2 out, 2 way coaxial, 2 way optical and 3 way analog inputs.
- 8 Built-in 230W/8Ω RMS Hi-Fi amplifier for L/R/C channels and 120W/8Ω RMS for other 4 channels.
- 9 Support speaker configurations from 3.0 to 7.3.4.
- 10 Support 7.3.4 decoding output.
- 11 Support Karaoke, with built-in DSP reverb processor and anti-howling design.
- 12 Synchro-reading and display of music lists on mobile phone and TV.
- 13 Built-in music playing device; support multi-level folder arrangement of music files from TF card & USB disk; support lossless & compressed audio formats including FLAC, APE, WAV, MP3, etc.
- 14 Support turn-on volume control for microphones and music, support maximum volume to protect the unit.
- 15 Support 5.1 external reverb processor added.
- 16 Support smart phone App control.
- 17 Support OSD menu.
- 18 Built-in digital Bluetooth audio receiver.
- 19 Support RS232 protocol.
- 20 Auto room calibration for auto EQ, auto room test and compensation of speaker distance, delay and sound pressure.
- 21 7 to 11 band parameters EQ for each channel.
- 22 Independent EQ settings and parameter storage for each input channels.
- 23 Maximum 1000ms lip-sync adjustment.
- 24 Support audio-video matrix subgroup output.
- 25 Dual-core DSP from ADI company.

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Front Panel



1 MIC VOLUME knob

Turn the knob to adjust the microphone volume.

Turn the knob to select a song for TF card or USB disk.

2 STANDBY indicator

Light up when the unit is in standby mode.

3 4K indicator

Light up when the input signal is 4K format.

4 Remote control sensor

Receive remote control signals.

5 Display screen

Display the input source, volume and current status.

6 ATMOS indicator

Light up when the source is Dolby Atmos format.

7 DTS:X indicator

Light up when the source is DTS:X format.

8 Karaoke indicator

Light up in the Karaoke mode.

9 VOLUME/MENU/OK knob

(1) Turn the knob to adjust volume when it's on home interface.

(2) Press the knob to enter the menu.

10 MIC jacks

For wired microphones.

11 MUTE/pause/play button

12 Previous/fast-reverse button

Short press to play the previous song. Long press to make it fast-backward.

13 Next /Fast-forward

Short press to play the next song. Long press to make it fast-forward.

14 STANDBY button

Turn on/off the unit.

15 SOURCE button

Select an input source.

16 HOME button

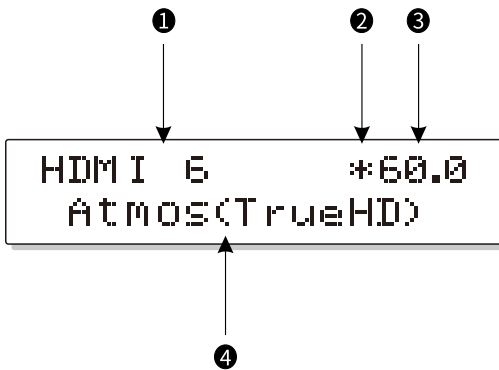
Switch between home and menu interface.

17 RETURN button

Return to the last step.

18 USB disk jack

Front Display Screen



1 Input source indicator

Indicate the current input source.

2 ✱: asterisk

Light up when the unit recognizes and decodes audio signals.

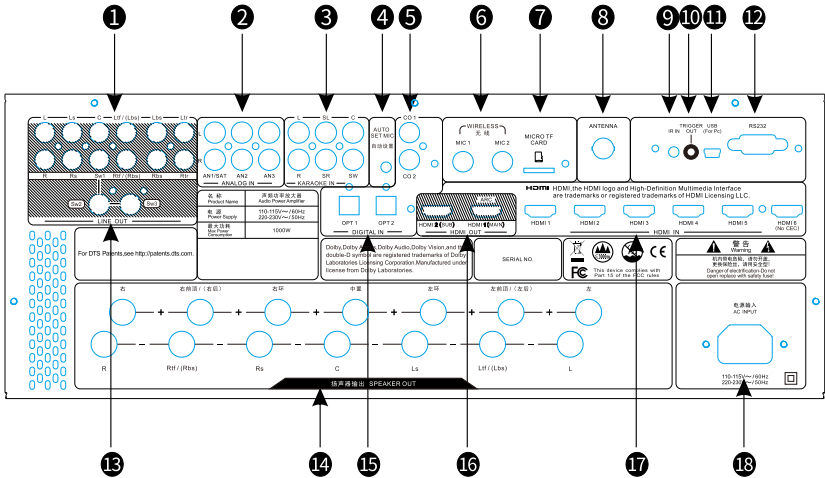
3 Volume indicator

Indicate the current volume.

4 Input signal indicator

Indicate the current input signal.

Rear Panel



1 LINE OUT jacks

Support 7.3.4 decoding output.

2 ANALOG IN jacks

3 way analog inputs AN1, AN2, AN3.

3 Karaoke IN jacks

Support 5.1 Karaoke inputs and also 5.1 external effector added.

4 AUTO SEC MIC jack

Connect to calibrate microphone to collect sound information of the room.

5 Coaxial input jacks

2 way coaxial inputs CO1, CO2.

6 Wireless microphone jacks

7 MICRO TF CARD port

For TF card input.

8 Bluetooth ANTENNAS

9 IR IN jack

Connect to an infrared receiver to extend the range of signal receiving.

10 TRIG OUT jack

5V high level signal output for triggering out other related devices.

11 USB (For PC) jack

For audio transmission from personal computer.

12 RS232 port

13 Subwoofer output jacks

14 SPEAKERS OUT terminals

7 channel speaker outputs.

15 Optical input jacks

2 way optical inputs OPT1, OPT2.

16 HDMI OUT jacks

2 way HDMI outputs for connecting to an HDMI-compatible devices.

The HDMI ARC jack is for devices with ARC.

Only HDMI OUT 1 works when the unit is in standby mode.

17 HDMI IN jacks

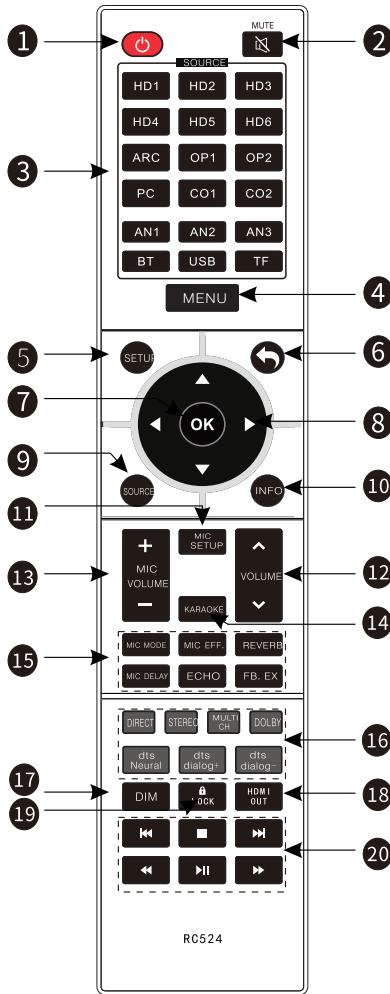
6 way HDMI inputs for connecting to an HDMI-compatible devices.

(Better first choose HDMI1, HDMI2 & HDMI3 jacks.)

18 AC INPUT/Power

Auto switch for connecting to 110V or 220V mains electricity.

Remote Control



Notice

- 1 Please make sure to put the positive and negative ends of batteries correctly. Please do not mix-use old & new batteries.
- 2 Please take out all batteries if the remote is not in use for a long time to avoid damage caused by battery leakage.
- 3 Please replace the batteries when the effective range of the remote is reducing or the signal transmission is not stable.
- 4 Please use soft cloth to regularly clear the IR diode on the remote and the remote control sensor on the front panel.
- 5 Please don't put the remote in a moist or sultry place and avoid hitting & shaking.

1 Power key

Turn on/off/standby the unit.

2 Mute button

Mute or unmute the audio.

3 Input source selection buttons

Select an input source.

4 Menu button

Operate the menu.

5 SET UP button

Display the setup menu. Long press for 3s to enter "default parameters" menu.

6 Return button

Return to the previous step.

7 OK button

Confirm the selection or operation, the same function as MENU/OK knob on the front panel.

8 ▲, ▼, ◀, ▶ direction buttons

Switch in the menu operation.

9 Source selection button

Used with four direction buttons to select an input source.

10 INFO button

Display the current information of playback.

11 MIC SET UP button

Press to enter microphone setting.

12 Music volume button

Choose the remote control mode and adjust the music volume.

13 MIC volume button

Choose the remote control mode and adjust the microphone volume.

14 Cinema/Karaoke switch button

Only works when the microphone is plugged in.

Press this button for loop selections 4 modes.

OFF, Internal, External and Only external:

External means external human voice and internal music.

Only external means both human voice and music are external.

15 Microphone effect set button

Used with MIC vol+/- buttons.

16 Cinema/Karaoke audio effect modes selection buttons

17 DIM button

Adjust the brightness of the display screen.

18 Video output selection button

Select an HDMI port for output signal.

Better choose HDMI OUT1 when it is connected to one device.

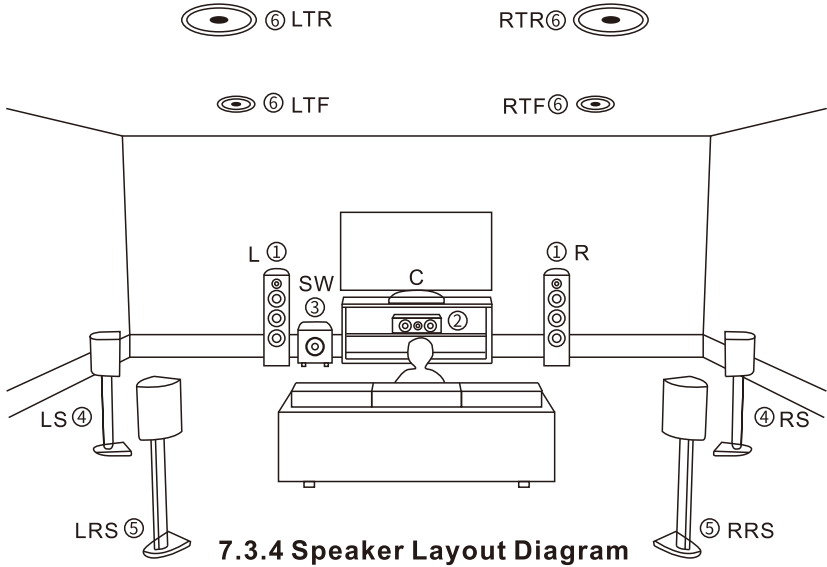
19 LOCK button

Long press for 3s to lock or unlock the unit.

20 Previous/next/fast-forward/fast-backward/play pause/stop buttons

Only works when the unit is reading a USB disk or TF card.

Connecting Instruction



7.3.4 Speaker Layout Diagram

You can use the 7.3.4 system diagram above as a reference to arrange your speakers.

① Left and right speakers

Front left and right speakers can create the overall soundstage. Place the speakers in front of the user at ear-listening level. Toe-in the speakers inwards and create an equilateral triangle between the user and the two speakers so that they meet to a point that goes behind the user. Then adjust the angle to find the position where the audio has better soundstage and imaging.

② Center speaker

The center speaker produces most of the dialogue and vocals and reinforces the sound effect of front left and right speakers. Place the center speaker under or above the display device and make sure it faces to the user at ear-listening level or at the same level as the front left and right speakers.

③ Subwoofer

The subwoofer adds emotion and impact, and handles the bass in the sound field. The sound quality and volume of the subwoofer are closely related to the shape of your audio room and the listening position. In general, place the subwoofer in the front corner, or the one-third width of the room, or anywhere you feel the best sound.

④ Left and right surround speakers

These speakers are used for precise positioning of sounds and to bring spatial sound effect from all directions. Place these speakers on the sides or slightly backward sides of the user at the height of about 60cm to 100cm above user's ears. The same distance between the speaker and the user brings ideal sound quality.

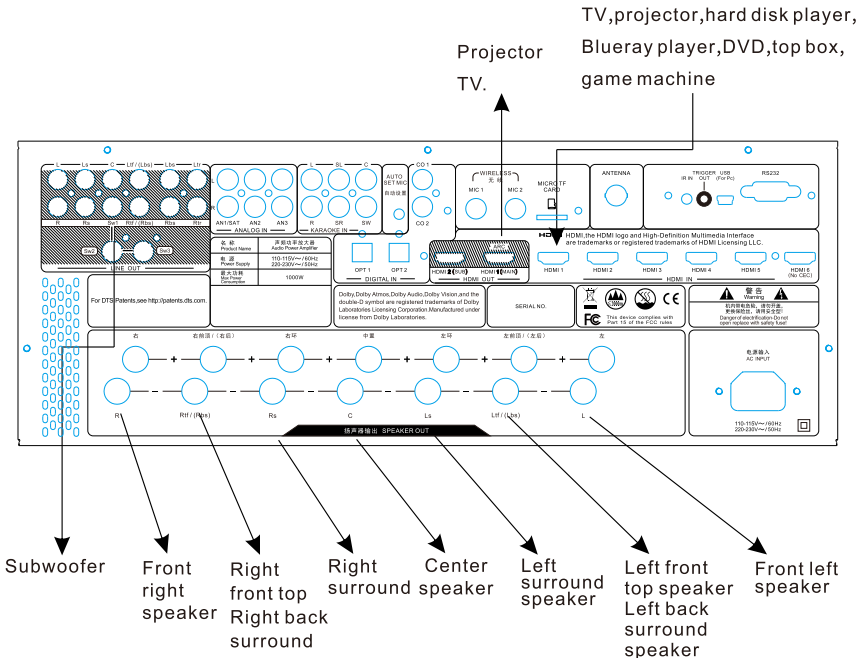
⑤ Left and right rear surround speakers

These speakers support you to enjoy best effect of Dolby Atmos and DTS by enhancing the surround sound and create a realistic immersive effect. Place these speakers in the back of the user at the height of 40cm to 100cm above user's ears.

⑥ Top speakers

Add another layer to create 3D sound effect which transports you with breakthrough, spatial and realistic audio experience and brings you a deeper connection to music and images.

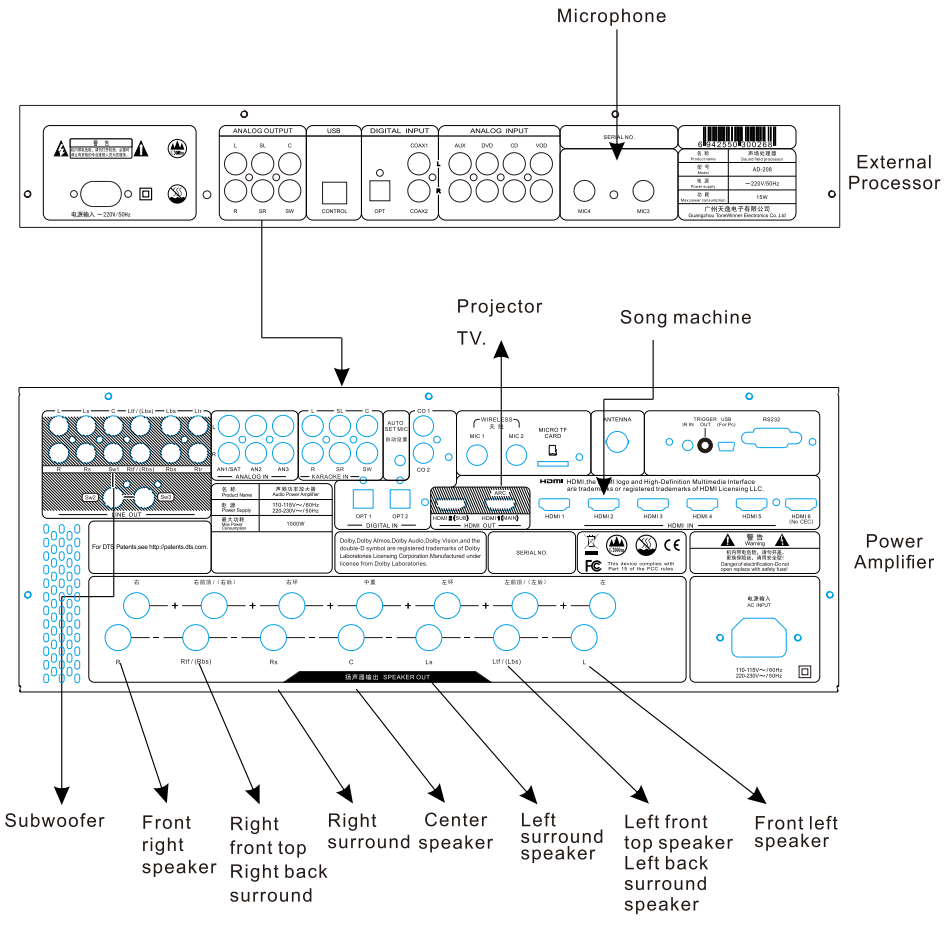
Theater System Connecting Diagram



External Effector Connecting Diagram

Operation steps:

- (1) Press the Karaoke button on the remote control and loop it to select "Only external".
- (2) Open the OSD menu: Menu→SET UP→Source setup→select the corresponding HDMI of song machine→Karaoke→Only external.
- (3) After the above steps, the Karaoke will automatically turn on when this HDMI channel is selected as source in the future.
- (4) It offers OFF, Internal, External and Only external four modes. Choose Internal to use the unit's internal effector.



Basic Settings (First-time Install and Settings)

To turn/press the VOLUME knob is to roll-select/enter.

1 OSD select language

Remote control: SETTING→Option→Language.

Front panel: HOME→VOLUME knob to Setting→Option→Language.

2 Select an input source

Remote control: SETTING→Source setup

Front panel: SOURCE→VOLUME knob to select an input source.

3 Speaker configuration

Remote control: SETTING→Speaker setup→Speaker layout.

Front panel: HOME→VOLUME knob to Setting→Speaker setup→Speaker layout.

You can select 3.3/5.3/7.3/5.3.2/5.3.4/7.3.2/7.3.4, etc.

① For 5.3 configuration, Rtf/Rbs and Ltf/Lbs do not outputs.

② For 7.3 configuration, Rtf/Rbs and Ltf/Lbs work as back L&R outputs.

③ For 5.3.2 configuration, Rtf/Rbs and Ltf/Lbs work as top channel outputs.

④ For 5.3.4 configuration, Rtf/Rbs and Ltf/Lbs work as front top outputs.

⑤ For 7.3.2 configuration, Rtf/Rbs and Ltf/Lbs work as top channel outputs.

⑥ For 7.3.4 configuration, Rtf/Rbs and Ltf/Lbs work as front top outputs.

4 Speaker distance (latency)

Remote control: SETTING→Speaker setup→Speaker distance.

Front panel: HOME→VOLUME knob to Setting→Speaker setup→Speaker distance.

You can adjust the distance between speakers and sitting position.

5 Subwoofer selection

Remote control: SETTING→Speaker setup→Subwoofer.

Front panel: HOME→VOLUME knob to Setting→Speaker setup→Subwoofer.

When there is no subwoofer in your system, please go to SET UP→Speaker setup→speaker crossover→L/R crossover to select By pass. Then you can go back to Subwoofer to select NO to avoid bass lost.

6 Microphone switch

Remote control: Cinema/Karaoke button for loop selection

Cinema mode: turning off Karaoke and switch to cinema mode.

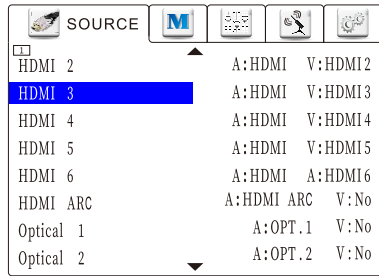
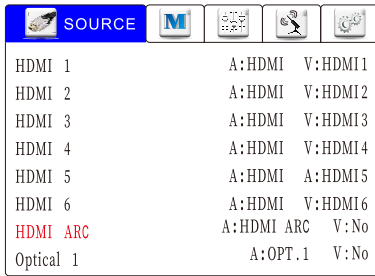
Built-in effector: Use the built-in Karaoke effector.

Pure external human voice: this unit outputs music and video, and Karaoke voice comes from external effector via analog 5.1 inputs.

External effector: all come from external effector via analog 5.1 inputs.

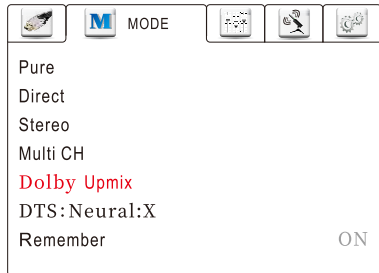
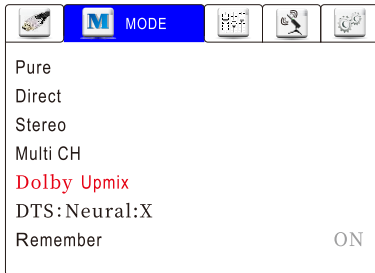
Function and Settings

1 INPUT SOURCE: Menu→Source



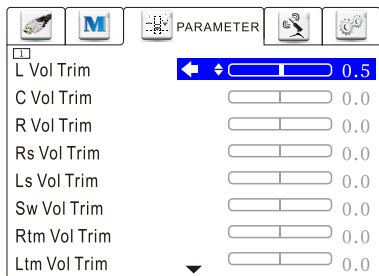
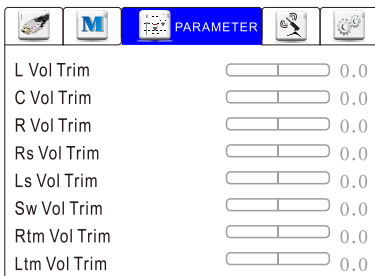
It offers input sources and displays the audio-video input port.

2 MODE selection: Menu→Mode



You can select pure, direct, stereo, multi-channel, Dolby upmix and DTS Neural: X modes. It only applies DSP processing to the current input source instead of all input sources, and it will become default settings after rebooting.

3 PARAMETER adjustment: Menu→Parameter



Independent output level/gain adjustment for each channel. The display differs based on different speaker configurations. Non-existent channels will be in grey color and can't be adjusted.

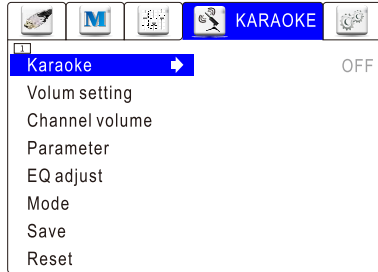
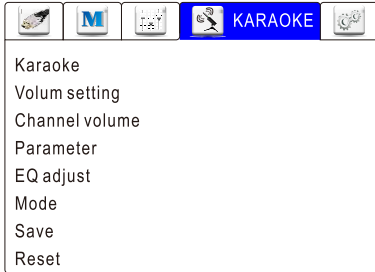
Remember channel volume : ON/OFF

DTS dialog control: 0-6 (Only for this input signal)

DRC Dynamic Range Control: ON/OFF/Auto

Lipsync: Auto/0-1000ms

4 Microphone setting(Menu→KARAOKE)



A. Karaoke

There are 3 ways to turn ON/OFF the Karaoke function:

- 1) Use the Karaoke button on the remote.
- 2) Set it by MIC SETUP button.
- 3) Menu→Karaoke

B. Volume setting

It offers setting for MIC volume、MIC Power ON volume、Max MIC volume .

In order to avoid the unnecessary damage to the devices, please set max volume restriction & set the MIC Power ON volume according to your preference.

C. Channel volume

Set the Karaoke microphone volume for the corresponding channel: There are \pm 10dB adjustable range for Mic center volume. MIC subwoofer volume and MIC surround volume.

D. MIC parameters

It offers 6 kinds of adjustable parameters: Shift frequency, Effector volume, Delay adjustment, Phase, Echo volume, and Reverb volume.

- 1) Shift frequency: If there is howling when playing Karaoke, please turn on shift frequency. It offers 9 frequency shift points for option, and please select the most suitable one based on the actual using operating environment.

- 2) Effector volume: Effector volume adjust range is 0 to 30.
- 3) Delay adjust: Adjust range is 180 to 260ms & adjust step is 25ms.
- 4) Phase: In-phase/Out-phase.
- 5) Echo volume: Adjust the echo volume from MIC. range: 0 to 10.
- 6) Reverb volume: Adjust Reverb volume from MIC range: 0 to 10.

E. EQ adjust

In order to make it convenient for users to do the timbre adjustment, it offers 5 fixing frequencies (Bass, mid-bass, mid, mid-treble and treble). Users can also adjust MIC EQ and effector EQ under setting. MIC EQ has 5 parametric EQ for adjustment & effector has 3 for adjustment.

F. MIC mode

It offers Factory preset mode & user defined mode for option.

Factory mode: It has as many as over 20 kinds of sound effects for option.

User defined mode: User saved the preferred sound effects, in total 3 kinds.

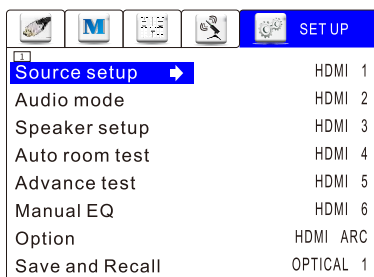
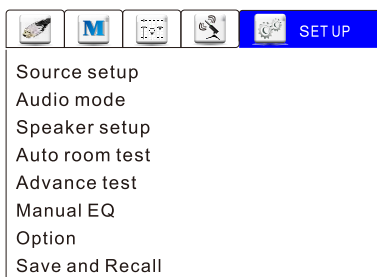
G. Save

User can save their preferred sound effects.

H. Reset

Restore the factory preset data & remove all the information data or setting the user stored.

5 SET UP: Menu → SET UP



There are 9 items: Source setup, Audio mode, Speaker setup, Auto room test, Advance test, Manual EQ, Option, Save and Recall & About.

A. Source setup

This includes Input source, Enable ON/OFF, Rename, Remote key, Video source, Audio source, EQ select, Karaoke, Volume mode, Trigger out & Default.

1. Input source: HDMI1, HDMI2, HDMI3, HDMI4, HDMI5, HDMI6, HDMI ARC, OPTICAL1, OPTICAL2, OPTICAL3, COAXIAL1, COAXIAL2, COAXIAL3, ANALOG1, ANALOG2, ANALOG3, Bluetooth, U disk, TF card & USB Audio. Default setting is recommended.

2. Enable ON/OFF

To select ON or OFF status for each input. The input source will not display if OFF is chosen.

3. Video source

No video, HDMI1, HDMI2, HDMI3, HDMI4, HDMI5 & HDMI6. Default setting is recommended.

4. Audio source

HDMI Audio, OPTICAL1, OPTICAL2, OPTICAL3, COAXIAL1, COAXIAL2, COAXIAL3, ANALOG1, ANALOG2 & ANALOG3. Default setting is recommended.

5. EQ select

Bypass, EQ1, EQ2, EQ3, Auto EQ & Not change. Please select it according to your connected devices.

Bypass means no EQ. Auto EQ is the result of auto room test.

Not change means the EQ will not change with input sources.

6. Karaoke

ON/OFF: to turn on or off the Karaoke function.

Internal: to use the internal effector of the unit.

External : to use the external effector connected to output only human sound.

Only External: to use the external effector connected to output both human sound and others.

7. Volume mode

Unified: the same volume for all input sources.

Independent: independent volume for each input source.

Additional: to add gain.

8. Trigger out ON/OFF

B. Audio mode

Analog/PCM 2 CH, PCM multi CH, Dolby 2 CH, DTS multi CH & AAC.

Pure, Direct, Stereo, Multi CH, Dolby Upmix & DTS Neural: X.

Pure: output without EQ.

Direct: output with EQ.

Stereo: output via stereo.

Multi CH: output via multi-channels.

Dolby Upmix & DTS Neural: X: output via Dolby & DTS smart algorithm.

C. Speaker setup

This includes Speaker layout, Center speaker, Top speaker type, Level test/adjust, Speaker distance, Subwoofer, Speaker crossover & Filter slope.

1. Speaker layout

You can select speaker configuration: 3.3/5.3/7.3/5.2.3/5.3.4/7.3.2/7.3.4, etc.

2.Center speaker: ON/OFF.

3.Top speaker type

Select ceiling or reflective speaker.

4. Level test/adjust

Test channel place and adjust the gain of different channels to make sure good sound field.

Parameters adjustment of unnecessary channels will be automatically OFF.

5. Speaker distance (latency)

Input the distance between each speaker to a certain sitting place and it will automatically adjust the latency.

6. Subwoofer

Select NO if there is no subwoofer connected and bass signal will automatically be distributed to corresponding channels to make sure no signal loss.

7. Speaker crossover

Adjust the frequency range of each channel.

8. Filter slope

Adjust the filter slope for each channel.

D. Auto Room Test

This is to auto-set the speaker EQ, distance and frequency response.

- ①Connect the testing mic with the MIC IN port in the rear panel;
- ②Put the testing mic at the listening position;
- ③Enter the auto room test;
- ④Level testing, distance testing and then EQ test;
- ⑤Select Apply to use the testing result for each channel, or Quit.

E. Advance test

This is to set the speaker EQ, distance and frequency response manually.

- ①Select Level / Distance;
- ②Select Apply to use the testing result, or Quit;
- ③EQ test for each channel;
- ④The same steps as auto room test. Speaker distance information displays after the test.

F. Manual EQ

EQ1, EQ2, EQ3, Auto test EQ & EQ bypass.

EQ1, EQ2, EQ3 are for manually set and save EQ.

Bypass means no EQ. Auto EQ is the result of auto room test.

11 bands for left, right and center channels, 7 bands for left surround, right surround, left back surround, right back surround, left front top and right front top channels, and 5 bands for subwoofer channel.

G. Option

It includes Language, Startup state, Volume option, HDMI option, Information display, No signal standby, Trigger output, Unit & U driver log.

1. Language

Select English or Chinese.

2. Startup state

Power on is for auto-power-on; Standby is for manual-power-on.

Remember is for the state when it powered off last time.

3. Volume option

Power ON volume: to set the power-on volume.

Max volume: to set a maximum volume to protect the unit from wrong operation.

Volume step: Volume gap.

Volume display mode: select to display the volume or real gain.

4. HDMI option

HDMI OUT select, Sync to TV power, Standby video, CEC source control, CEC control & HDMI format.

①HDMI OUT select

Select one/both of HDMI1 & HDMI2. Better select HDMI1 when there is only one way HDMI output.

②Sync to TV power

Select ON to synchronously power on the unit when turning on the TV.

Select OFF to manually power on the unit.

③Standby video

Select ON to output the video signal directly to devices connected such as TV and projector.

④CEC source control

ON means the unit will auto select HDMI port when it is connected with external HDMI CEC supported devices such as DVD players. Make sure it is connected properly.

This only works for HDMI ARC output port and better select OFF to avoid wrong operation.

⑤CEC control

ON means the playback buttons of the remote control also work for the external HDMI CEC supported devices. If the input source can be recognized, the name of it will be displayed on the screen.

⑥HDMI format

When the Audio priority function is selected, the unit will output audio part firstly.

Auto: automatically detect and adapt to the resolution of devices connected.

Standard: support HDMI 1.4a format.

Enhance: support HDMI2.0 (4K/60Hz).

The default HDMI format is for 1080p. Users can select Enhance to make the unit support 4K/60Hz and please make sure the connected devices support 4K/60Hz. The unit directly outputs the video signal without any changes.

5. Information display

Display DIM: 1-10 to adjust the brightness of the display screen.

OSD information is to select display all/none/only display volume.

OSD info position is to select top/bottom information display place.

OSD Transparency is to set the transparency of the on-screen display menu.

6. No signal standby

①Not used means it will power off when the unit has no signal.

②You can also set the number of minutes (0-60 minutes) after which it will go into standby status when it has no signal.

③When the external effector is selected, "Not used" is recommended to be selected.

④Always ON, Always OFF, By source.

7. Unit

Select Metric or Imperial, only for speaker distance (latency).

8. U driver log

Normally default OFF. When the unit breaks down, please insert a USB disk and it will auto-log the error information into a file in the disk. Please send the file to the dealer or store where you purchased this unit and ask for solutions.

H. Save and Recall

Save to backup: back up all the current parameter.

Load from backup: recall the parameter saved last time.

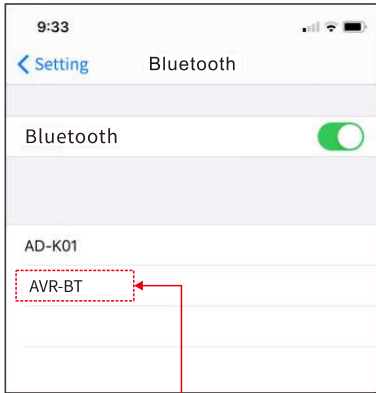
Load from default: reset the parameter to factory default.

I. About

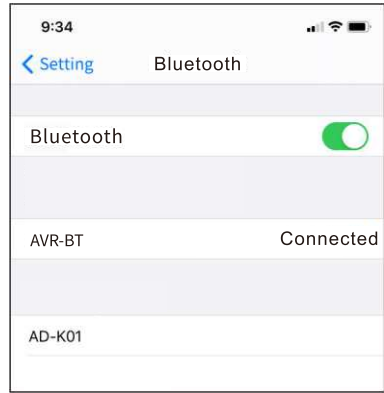
Software update, MCU version, DSP version, OSD version, Control MCU, Bluetooth name, TV Connect 1 & TV Connect 2.

Mobile Phone Bluetooth Wireless Transmission

- (1) Press SOURCE button on the front panel or remote control to select Bluetooth.
- (2) Switch on Bluetooth on your mobile phone, search & pair-connect with AVR-BT, and control music playback on your mobile phone.



Press to connect



Mobile Phone App

For better user experience, TONEWINNER has developed its own App to match its products, and you can finish all above operations and switches on your mobile phone. For the first time to use TONEWINNER App, please follow step 1, 2 and 3. Later you just need to follow step 4.

- (1) Keep your phone on normal working status and with internet access.
- (2) Go to <http://www.tonewinner.net/> to download the TONEWINNER App and install it.

For IOS system, search "TONEWINNER" on App store to download and install.

- (3) Enter the App, search AVR-BT, and connect to it.
- (4) To set the App language into English, follow the four steps:



1. Click on top left



2. Click "应用设置" Setting



3. Select language



4. Click **OK** and the App will auto-restart.

(5) For more App details, please check on our websites.

Specification

Model: AT-2300PRO

Rated impedance: 8Ω

Rated output power: L/R/C, 230W Rms/8Ω (THD=1%, 1 CH driven, 1kHz)
other channels, 120W Rms/8Ω (THD=1%, 1 CH driven, 1kHz)

Distortion: ≤0.05% (A-weighted, pure mode, 1kHz)

Frequency response: 20Hz-20kHz (+1/-3dB)

Gain: ≥38dB (pure mode)

S/N: ≥95dB (A-weighted, pure mode)

Power voltage: AC 110-115V/60Hz, 220-230V/50Hz

Net weight: 16.3kg

Unit dimensions: 431×402×178mm (W×D×H)

Executive standard: GB4943.1-2022, GB/T9254.1-2021, GB17625.1-2012

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

Equipment Safety Standard: Class II

- 1 Please read the manual and safety precautions carefully before using.
- 2 The product should be mounted somewhere ventilated and dry for the convenience of heat dissipation to avoid moisture and lampblack.
- 3 The safety standard of the machine is Class II; upon installation, the power plug should be connected to 110-115V~/60Hz or 220-230V~/50Hz grid.
- 4 Do not remove the cover during using to prevent electrocution.
- 5 Do not frequently turn it on or off. Wait a few minutes before turning it on again.
- 6 When the equipment fails, contact with the product managers where you buy this machine for internal maintenance. To avoid accident, do not open the rear cover for inspection or repair.
- 7 The plugs, power lines, fuses, power switch, and transformer used on the equipment are all safety parts. Upon change of safety parts, the maintenance department should replace them in accordance with the model and specification specified by our company.

Problem Shooting

If a problem should arise, first check the following:

- Are the connections correct?
- Is the unit being operated as described in the user manual?
- Are the other devices operating properly?

If this unit does not operate properly, check the corresponding symptoms in this section. If the symptoms do not match, disconnect the power immediately and contact the dealer or store where you purchased this unit.

Problem	Solution
Display screen does not bright with AC power.	<ol style="list-style-type: none"> 1 Disconnect the unit immediately; 2 Check if power socket has electricity; 3 After above two steps, turn it on again.
Remote control is insensitive or does not work.	<ol style="list-style-type: none"> 1 Check if IR remote control sensor is blocked; 2 Change weak batteries.
The unit, display screen & inputs work normally, but there is no output.	<ol style="list-style-type: none"> 1 Check if all cables are connected well; 2 Check if amplifier works normally; 3 Check if volume is too low;
No sound or weak sound from microphone.	<ol style="list-style-type: none"> 1 Check if mic volume is too low; 2 Check if mic plugs in; 3 Check if mic is broken.
Howling microphone or noise.	<ol style="list-style-type: none"> 1 Mic is too close to speaker; 2 Mic Volume is too high; 3 Mic Parameter does not match; 4 Mic does not plug well; 5 Mic treble is too much.
1080P shows on TV or projector screen.	<ol style="list-style-type: none"> 1 Select HDMI enhance.



Scan QR code

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