



TONE WINNER

AT-2700 User Manual

ISO9001 Quality Management System Certified Enterprise



TONE WINNER

Product packing list

Number	Item	Quantity
1	Manual	1 pcs
2	Power line	1 pcs
3	Certificate of qualification	1 pcs
4	Remote control	1 pcs
5	HDMI cable(4K)	1pcs

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		To reduce risk of electric shock, do not remove the outer cover (or rear panel). For maintenance, it should be carried out by qualified maintenance people. To avoid fire and electric shock hazards, do not get the unit wet or damp. Equipment safety standard : Class II
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- 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

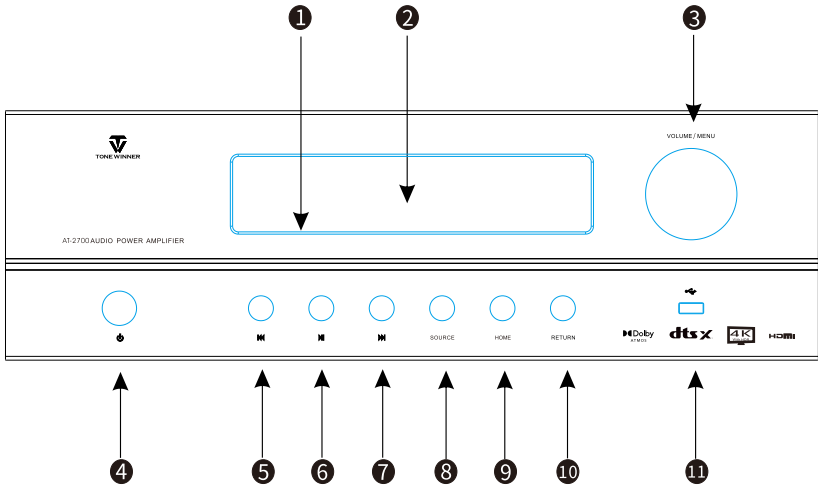
- 1 Support Dolby Atmos, DolbyTrue HD and all backward Dolby audio formats.
- 2 Support DTS:X, DTS-Master and all backward DTS audio formats.
- 3 Support HDMI2.1, HDCP2.2.
- 4 Support 4K/60Hz, RGB4:4:4, 18GHz bandwidth HD video signal.
- 5 Support Dolby Vision and HDR 10 video signal.
- 6 Support 5.1.2 decoding output.
- 7 Auto EQ, auto room testing and compensation of speaker distance, delay and sound pressure.
- 8 Built-in digital Bluetooth audio receiver.
- 9 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.
- 10 Support smart phone App control.
- 11 Support OSD layer menu.
- 12 Synchro-reading and display of music lists on mobile phone and TV.
- 13 Support speaker configurations from 2.0 to 5.1.2.
- 14 HDMI 4 in 2 out, 1 way coaxial, 1 way optical and 3 way analog inputs.
- 15 Built-in 7×120watts (8Ω, RMS)Hi-Fi amplifier to drive 5.1.2 speaker system.
- 16 Support RS232 protocol.
- 17 Support HDMI ARC and CEC.
- 18 Maximum 1000ms lip-sync adjustment.
- 19 5 to 11 band parameters EQ for each channel.
- 20 Independent EQ settings and parameter storage for each input channels.
- 21 Support audio-video matrix subgroup output.
- 22 Dual-core DSP from ADI company.

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Front Panel



① STANDBY indicator

Light up when the unit is in standby mode.

② Display screen

Display the input source, volume and current status.

③ VOLUME/MENU knob

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

(2) Press the knob to enter the menu.

④ STANDBY button

Turn on/off the unit.

⑤ Previous/fast-reverse button

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

⑥ Play/pause button

⑦ Next /fast-forward button

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

⑧ Source button

Press the button to select an input source.

⑨ HOME button

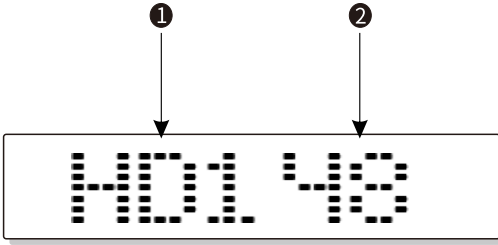
Switch between home interface and menu; directly return to home interface.

⑩ RETURN button

Return to the last step.

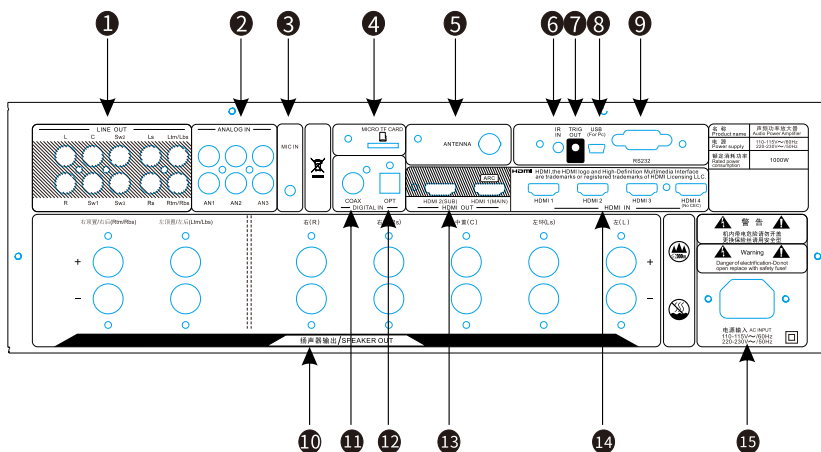
⑪ USB disk port

Front Display Screen



- 1 Input source indicator**
Indicate the current input source.
- 2 Volume indicator**
Indicate the current volume.

Rear Panel



1 LINE OUT jacks

Support 5.3.2 decoding output.

2 ANALOG IN jacks

3 way analog inputs AN1, AN2, AN3.

3 MIC IN jack

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

4 MICRO TF CARD port

For TF card input.

5 Bluetooth ANTENNAS

6 IR IN jack

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

7 TRIG OUT jack

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

8 USB (for PC) jack

For audio transmission from personal computer.

9 RS232 port

For remotely controlling the unit.

10 SPEAKERS OUT terminals

7 channel speaker outputs.

11 Coaxial input jack

12 Optical input jack

13 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.

14 HDMI IN jacks

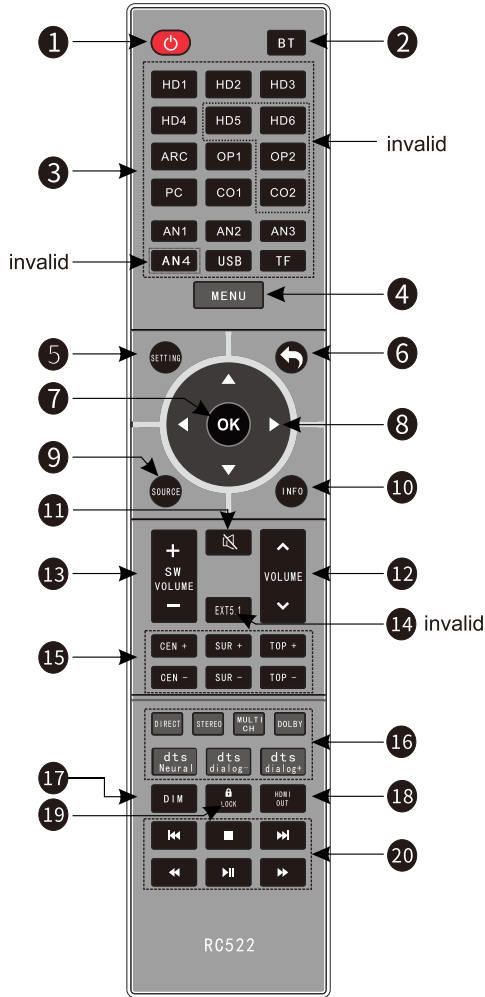
4 way HDMI inputs for connecting to an HDMI-compatible devices.

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

15 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 BT button**
For Bluetooth mode.
- 3 Input source selection buttons**
Select an input source.
- 4 Menu button**
Operate the menu.
- 5 Setting button**
Display the setup menu. Long press for 3s to enter "default parameters" menu.
- 6 Return button**
Return to the last step.
- 7 OK button**
Confirm the selection or operation.
- 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 Mute button**
Mute or unmute the audio.
- 12 Volume button**
Adjust the unit volume when the unit is in remote control mode.
- 13 SW volume button**
Adjust the subwoofer volume when the unit is in remote control mode.
- 14 EXT 5.1 button (invalid)**
This button does not work on the unit.
- 15 CEN, SUR, TOP volume buttons**
Adjust the volume of center, surround and top speakers.
- 16 Sound mode buttons**
Select a sound mode.
- 17 DIM button**
Adjust the brightness of the display screen.

18 HDMI output selection button

Select an HDMI output.

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

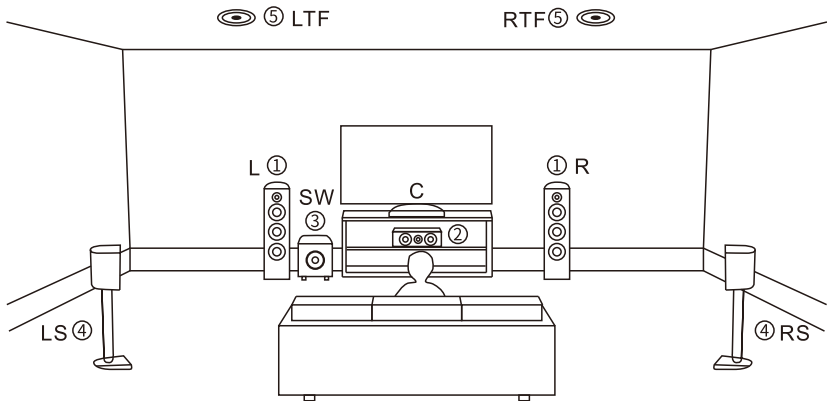
19 LOCK button

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



5.1.2 Speaker Layout Diagram

You can use the 5.1.2 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.

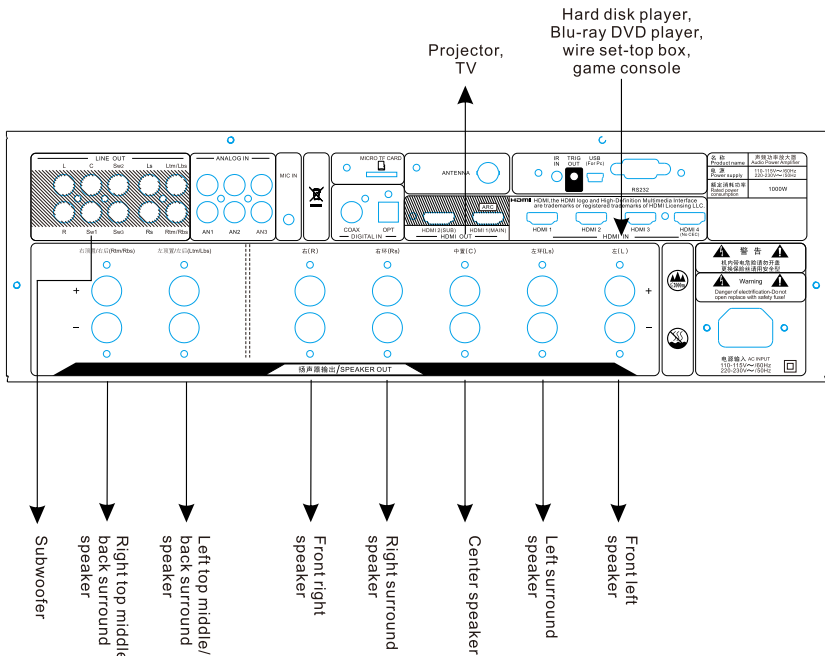
④ Left and right surround speakers

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 top front 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



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 2.0/2.1/5.1/7.1/5.1.2.

Attention:

- ① 5.1 system: no output from Rtm/Rbs & Ltm/Lbs ports.
- ② 7.1 system: Rtm/Rbs & Ltm/Lbs is used as right back and left back ports.
- ③ 5.1.2 system: Rtm/Rbs & Ltm/Lbs is used as top speaker channel.

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.

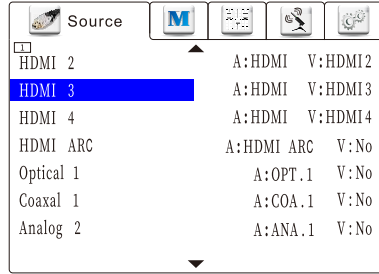
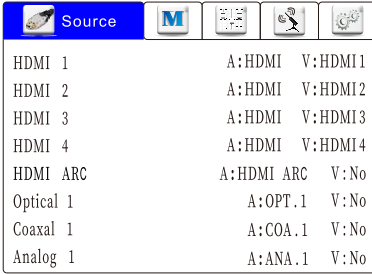
5 Select a subwoofer

Remote control: SETTING→Speaker setup→Subwoofer.

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

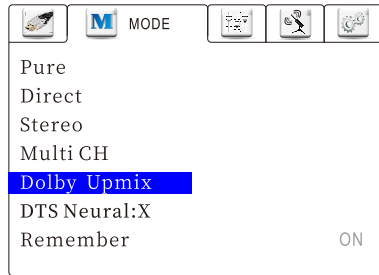
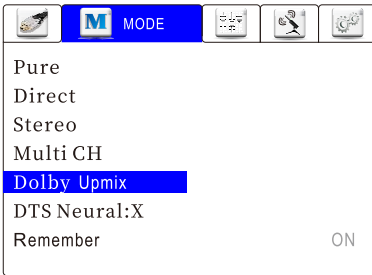
Function and Settings

1 INPUT SOURCE: Menu→Source



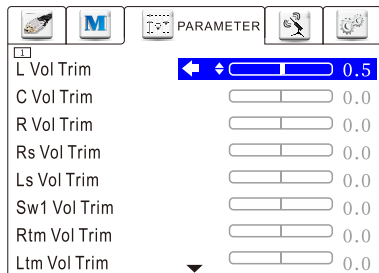
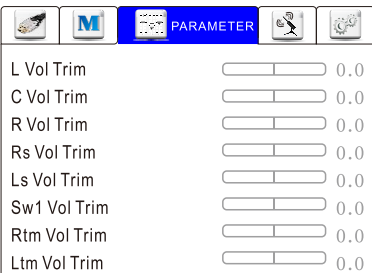
It offers input sources and displays the audio-video input port.

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.

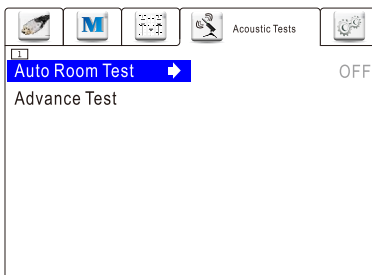
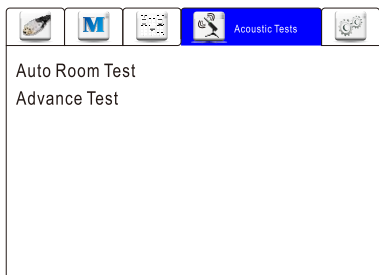
Remember channel volume : ON/OFF

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

DRC Dynamic Range Control: ON/OFF/Auto

Lipsync: Auto/0-1000ms

4 Acoustic Test: Menu→Acoustic Test



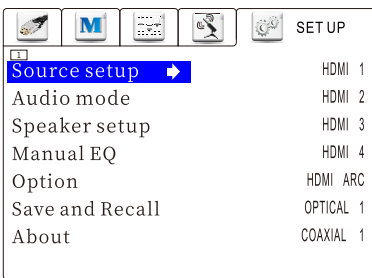
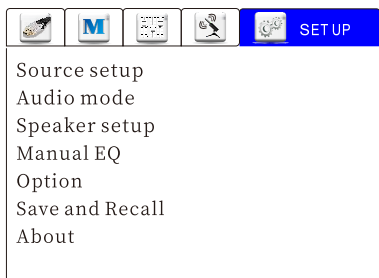
Auto Room Test: to auto-set the speaker EQ, distance and frequency response.

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

Advance Test: to set the speaker EQ, distance and frequency response at your will.

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

5 SET UP: Menu→SET UP



It handles seven parts: source setup, audio mode, speaker setup, manual EQ, option, parameter save and recall & information about the unit.

A. Source setup

Enable, Remote key, Video source, Audio source, EQ select, Volume mode, Trigger out & Default.

- ① Enable: set the ON/OFF status for each input port. If it is off, input port will not be displayed.
(suggest the default selection)
- ② 14 Input sources: HDMI1,HDMI2,HDMI3,HDMI4, HDMI ARC,OPTICAL1,COAXIAL1, ANALOG1,ANALOG2,ANALOG3,Bluetooth, U DISK, TF CARD & USB Audio.
(suggest the default selection)
- ③ Video source: No Video,HDMI1,HDMI2,HDMI3,HDMI4.
(suggest the default selection)
- ④ Audio source: HDMI Audio,Optical1,Coxial1,Analog1,Analog2,Analog3.
- ⑤ EQ select: Bypass, EQ1, EQ2, EQ3, Auto EQ, Not change.(suggest the default selection)
- ⑥ Volume mode: OFF/ON(Independent/Unified/Additional±20dB)
- ⑦ Trigger out: OFF/ON(suggest the default selection)

B. Audio mode

Analog/PCM 2CH, Multi CH PCM, Dolby 2CH, Dolby Multi CH, DTS 2CH, DTS Multi CH,AAC and select pure, direct, stereo, multi-channel, Dolby upmix and DTS Neural: X modes.

C. Speaker setup

- ① Speaker layout: to select 3.1/5.1/7.1/5.1.2 configuration.
- ② Top speaker type: to select ceiling or reflective speaker.
- ③ Level test/ adjust: test the right position, adjust the gain of each channel and auto-turn-off the unnecessary parameters.
- ④ Speaker distance: input the distance data between speaker & listening position and auto-adjust the latency.
- ⑤ Subwoofer: select NO when there is no subwoofer connected and it will auto-transmit the subwoofer signal to other channels to avoid distortion.
- ⑥ Speaker crossover: to adjust the frequency response for each channel.
- ⑦ Filter slope: to adjust the crossover slope for each channel.
- ⑧ Bass enhance: this selection will display on the list only after the L/R crossover is set to Bypass.
Turn on bass enhance for more stunning bass.

D. Manual EQ

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

11 bands for L/R and center channel, 7 bands for surround and top channels, 5 bands for subwoofer channel and 7 bands for front top/back surround channels.

E. Option

Language, Startup state, Volume options, HDMI option, Information display, No signal standby, Trigger out, Unit & U Driver Log.

① Language: English/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 options

To set the power on volume; **max volume limitation** to avoid damage of wrong operation; volume step; volume display mode.

④ HDMI option

HDMI OUT Select, Sync to TV Power, Standby Video, CEC Source Control, CEC Control & HDMI Format.

- a. HDMI OUT Select: select one/both of HDMI1 & HDMI2. Better select HDMI1 when there is only one way HDMI output.
- b. Sync to TV Power: ON/OFF is for sync-turn-on/manual-turn-on the TV & amplifier.
- c. Standby Video: ON is for video signal transmitting directly to TV or other display devices.
- d. CEC Source Control: ON means the amplifier will auto select HDMI port when it is connected with external HDMI CEC supported devices such as DVD player. Make sure it is connected properly. This only works for HDMI ARC output port and better select OFF to avoid wrong operation.
- e. CEC 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.
- f. **Auto is for auto-adapt to the resolution of display device, only for 3D, HDR & Dolby. Standard is for HDMI 1.4a video format. Enhance is for HDMI 2.0 (4K/60Hz) video format.**

⑤ Information display

Display DIM, OSD information, OSD info position & OSD Transparency.

Display DIM 1-4 to adjust the brightness of the display screen.

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

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

OSD Transparency 0-7 to set the transparency of the OSD menu.

⑥ No signal standby

To set the time limit before the amplifier enters standby mode.

⑦ Trigger out

Always ON/Always OFF/By source.

⑧ Unit

Metric/Imperial, only for speaker distance.

⑨ 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 dealer or store where you purchased this unit and ask for solution.

F. Save and Recall

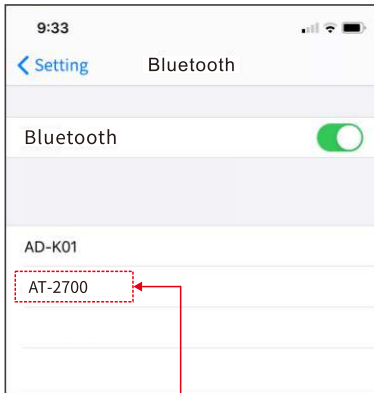
Save to back up: back up all the current parameter.

Load from backup: recall the parameter saved last time.

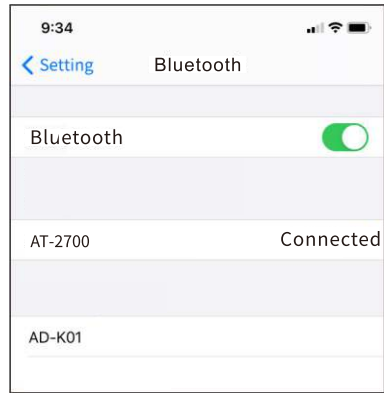
Load from default: reset the parameter to factory default.

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 AT-2700, 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 Music App and install it.
For IOS system, search "ToneWinner Music" on App store to download and install.
- (3) Enter the App, search AT-2700, and connect to it.
- (4) To set the App language into English, follow the four steps:



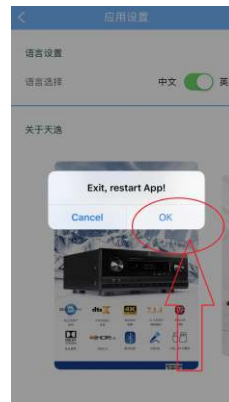
1. Click = on top left



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-2700

Rated impedance: 8Ω

Rated power output: 7 channels, 120W Rms/8 Ω (THD=1%, one channel, 1kHz)

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

Frequency response: 10Hz-20kHz (+1/-3dB, direct mode)

Gain: ≥40dB (direct mode)

S/N: ≥90dB (A-weighted, direct mode)

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

Net weight: 11.7kg

Gross weight: 13.8kg

Unit size: 430×391×149mm

Package size: 546×488×232mm

Executive standard: GB8898-2011, 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 appears on TV or projector screen.	<ol style="list-style-type: none">1 Select HDMI enhance.



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