

DAYTONAUDIO



# 100W DESKTOP STEREO AMPLIFIER WITH BLUETOOTH 5.0

Model: DTA-100ST

User Manual

# Safety Information

## IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified personnel. To reduce the risk of fire and shock do not expose unit to rain or moisture. The unit should be connected to an earth grounded AC electrical socket. The unit should be operated in a well ventilated area. Minimum clearance is 2 inches from the ventilation openings.



## FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - (a) This device may not cause harmful interference.
  - (b) This device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



Thank you for purchasing the Dayton Audio DTA-100ST Desktop Stereo Amplifier. The compact design is perfect for focused application where space is at a premium. With 100 watts of real power it has never been easier to power almost any speaker.

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## Features

- Compact desktop size, perfect for a big sound from a small package
- Built-in Bluetooth receiver for streaming audio from anywhere in the room
- Stereo preamp out makes it incredibly simple to add a subwoofer amplifier for ultimate enjoyment
- Auto-on function keeps your equipment safe and saves power when not in use
- Built-in power supply with automatic 110/220V input voltage switching

## Package Contents

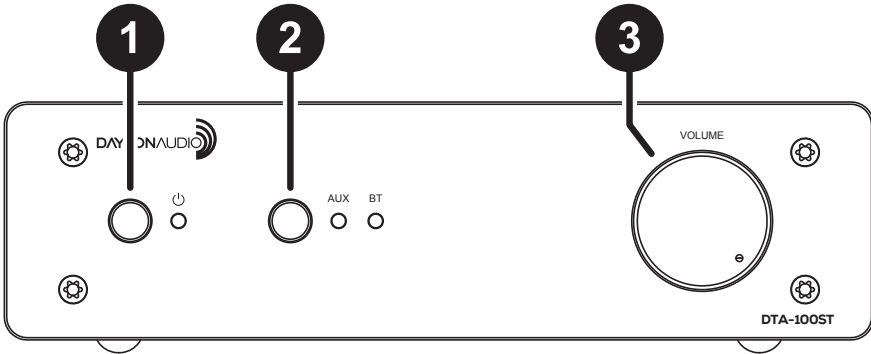
- DTA-100ST Desktop Stereo Amplifier
- Mounting Brackets (pair)
- AC Power Cord
- User Manual

\*Please contact Dayton Audio to make sure that nothing is missing from the package



# Controls and Functions

## Front Panel



### 1. Power/Standby Button

This button will turn the amplifier on and place it into standby. The indicator light will illuminate white when the amplifier is on. It will illuminate red when the amp is in standby.

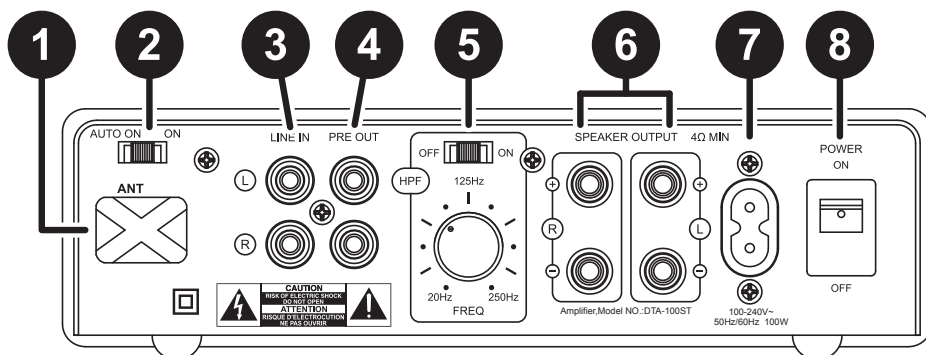
### 2. Source Selection Button

Use this to toggle between the Aux and Bluetooth inputs. The corresponding light will illuminate white when the input is active. While the Bluetooth input is active, press and hold to disconnect the device and enter pairing mode. Press and hold the button while in pairing mode to revert to the previously connected device.

### 3. Volume Control

Live a little and turn the volume up. After all, that's what the DTA-100ST is for. The volume knob controls the volume of SPEAKER OUTPUT and the PRE OUT connections.

## Rear Panel



### 1. BLUETOOTH ANTENNA

### 2. AUTO ON CONTROL

This is a handy feature when using the DTA-100ST in conjunction with other audio equipment.

It will safely turn off the amp when audio stops and will turn it back on when audio is detected. (please see pg. 6 for a more detailed explanation)

### 3. LINE INPUT (AUX)

### 4. PRE OUT

Stereo RCA jacks allow for connecting the DTA-100ST to other audio equipment. This signal level is controlled by the volume knob and will output whatever input is selected. It is not affected by the High Pass Filter (HPF).

### 5. HIGH PASS FILTER

This will help remove low frequencies from the connected speakers to protect from high-excursion. This feature is also particularly handy when using an external subwoofer so that the main speaker and subwoofer outputs do not affect each other.

### 6. SPEAKER OUTPUT

Using insulated 2 conductor wire to connect to speakers. The polarity, positive (+), and negative (-) for all speaker and amplifier connections must be consistent so both the left and right speakers are in phase.

**NOTE:** The speaker outputs are not bridgeable.

### 7. AC POWER INPUT

The DTA-100ST is capable of operation in 110V and 220V regions. The internal power supply will automatically sense the power input and operate appropriately.

### 8. MAIN POWER SWITCH

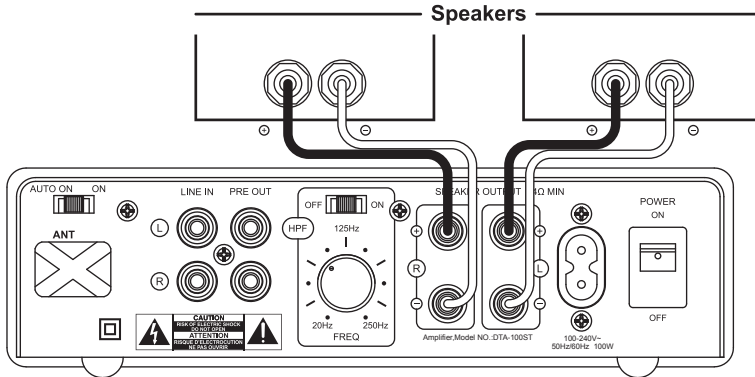
Turns the device on and off.

## Connecting Speakers

The amplifier can power speakers with a minimum impedance of 4Ω, using speakers with a lower impedance can cause damage to the amplifier. Use high quality two conductor speaker wire and your choice of connector to connect your speakers to the binding posts on the rear of the unit.

Connect the DTA-100ST's left speaker terminals marked "L-" and "L+" to the corresponding "-" and "+" terminals on your left speaker. Repeat the same process for the right channel.

**NOTE:** Never connect the negative terminals together or to ground. The DTA-100ST is not designed to operate in a bridged mode and attempting to do so may damage the amplifier.



## Operation

### Bluetooth Operation

When switching to the Bluetooth input, the indicator light will flash to indicate that the device is ready to pair. If the last connected device is within range it will connect automatically. Otherwise, look for the DTA-100ST in your device's setup menu and initiate pairing.

The DTA-100ST will automatically disconnect after 15 minutes of silence and enter standby.

### AUTO ON Function

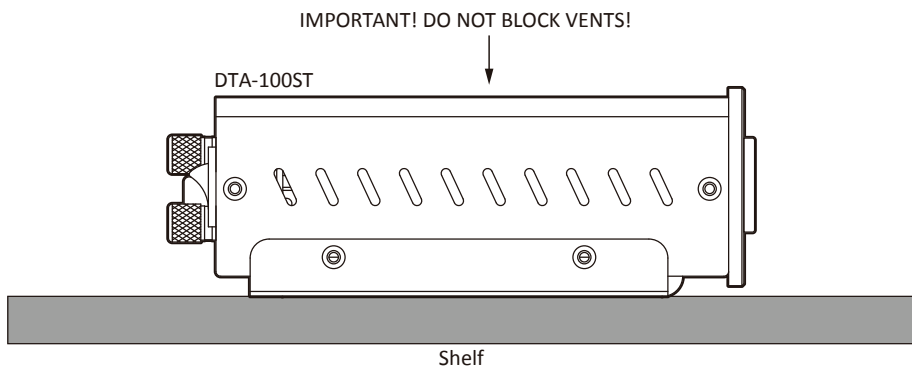
For ultimate control in any installation, the DTA-100ST has an auto sensing function that can turn off the amplifier when not in use and turn it back on when audio is detected. When the DTA-100ST is in standby the power indicator will illuminate red. To activate this function, toggle the AUTO ON switch. Otherwise, leave the switch in the ON position for normal operation.

When using the AUX input, the DTA-100ST will enter standby after fifteen minutes of silence. The amplifier will turn back on when music is played again. The power light will change to white and the AUX input light will light up again. The DTA-100ST will remain in standby until audio is sensed on the line inputs, or the front panel controls are used.

While using the Bluetooth input the DTA-100ST will unpair from the connected device after fifteen minutes of silence and enter standby. The power light will illuminate red and the Bluetooth light will flash to indicate that pairing mode is active. The DTA-100ST will remain in pairing mode until a Bluetooth device connects or the front panel controls are used.

## Installing Mounting Brackets

The DTA-100ST can be conveniently mounted on or underneath a shelf or desk with the included mounting brackets. The brackets can be attached to the sides of the amplifier by removing the screws and replacing them with the brackets in place.



## Specifications

<b>Maximum Power Output (Peak)</b> .....	70W/CH @ 4Ω
<b>RMS Power Output</b> .....	35W/CH @ 4Ω
<b>Total Gain</b> .....	27.5 dB
<b>THD+N</b> .....	<0.06% at rated power output
<b>Frequency Response</b> .....	25 Hz – 20,000 Hz
<b>Input Sensitivity</b> .....	215 mV
<b>Channel Separation</b> .....	70 dB
<b>Minimum Speaker Impedance</b> .....	4Ω
<b>Signal to Noise Ratio</b> .....	101 dB
<b>Bluetooth</b> .....	5.0

### General

<b>Power Requirement</b> .....	100-240V, 50/60 Hz
<b>Standby Power Consumption</b> .....	2W
<b>Amplification</b> .....	Class D
<b>Dimensions (W, H, D)</b> .....	7.5 x 2 x 5.5 in. (190 x 50 x 139 mm)
<b>Weight</b> .....	2.78 lbs. (1.26 kg)

All Specifications are accurate at the time of printing.  
Dayton audio reserved the right to make improvements without notice.

## Warranty

Dayton Audio products are warranted to be free of all defects in material and workmanship for 5 YEARS from the date of purchase from an authorized Dayton Audio dealer. This warranty and all rights provided are limited to the original owner and are non-transferable. Responsibility is limited to replacement or repair as set forth in this warranty statement.

Should a product require warranty service during this period, Dayton Audio will repair or replace without charge, any part or product proving defective in material or workmanship. All warranty repairs and service must be performed by an authorized Dayton Audio technician or service facility. The use of non-authorized repair services renders this warranty null and void, and any charges relating to non-authorized repair are the responsibility of the product owner. All expenses (except return shipping costs) related to replacing or repairing a defective part or product under this warranty shall be assumed by Dayton Audio. Dayton Audio reserves the right to replace defective product with a new or factory reconditioned unit.

For more information and to register your new Dayton Audio device visit [daytonaudio.com](http://daytonaudio.com).



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