



# DT-307B

Vacuum Tube Amplifier

## Instruction Manual



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Thank you for purchasing this Mistral DT 307B Amplifier.

This instruction manual provides all of the information that you need to know about your MISTRAL DT-307B. Please read it carefully before you start using the unit.

The Mistral DT 307B is a high quality hybrid tube / transistor amplifier for use in iPod and Hi Fi system applications. It has several input options to enable users to connect a variety of digital and analogue music sources. It's compact dimensions, robust build and high quality finish make it a practical, long lasting and durable iPod or Hi Fi system component.

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## Safety Instructions

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### IMPORTANT

Please read this manual before operating your Mistral amplifier. Observe the Safety Instructions to avoid electrical shocks or equipment failure due to improper installation. Please retain these instructions in a safe place for future reference.

	<p>A triangle with a lightning symbol indicates “dangerous voltage” which may be high enough to entail risk of electric shock.</p>
	<p>A triangle with an exclamation mark indicates important instructions for use and maintenance in the accompanying manual.</p> <p>To prevent risk of electric shock, do not remove cover (or back). Refer servicing to qualified service personnel.</p>

1. Observe all safety warnings given in the manual.
2. If the unit produces smoke, a strange smell, or strange sounds upon turning the product “ON”, the unit may have been damaged in shipment. If this happens, immediately switch the power “OFF” and unplug the power cord.
3. This unit should NOT be situated in close proximity to water. E.g. Near baths, sinks, washing machines, swimming pools, saunas etc. Avoid exposure to direct sunlight or to extreme temperature, humidity, or changes in temperature.
4. Do not place near direct heat sources such as radiators, stoves,

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- gas fires, naked flames or candles.
5. Ensure that the unit is placed on a clean, dry and flat surface before operation.
  6. Do not drop the unit, apply excessive force to the controls or place heavy objects on top of the unit.
  7. Do not allow excessive levels of dust to gather on the amplifier. To clean, unplug the cooled unit and use a soft dry cloth. If necessary, use a damp cloth without any solvents.
  8. Ensure that the area in which the unit is situated has adequate ventilation. Do not place the amplifier in a position where its ventilation may become obstructed.
  9. Avoid placement on beds, sofas, rugs, enclosed bookcases / cabinets and any other area which may cause interference to the ventilation of the product thus causing it to overheat.
  10. Ensure that the unit is connected to the correct power supply as indicated on the unit. Unplug the amplifier when not in use for a long period.
  11. Always make sure power cables are placed safely and are not obstructing a walkway.
  12. This product can get hot. Do not touch the tubes and keep away from babies, children and pets.
  13. To avoid risk of electric shock, do not attempt to remove the cover or the back of unit. There are no user serviceable parts inside. Refer servicing of internal parts to qualified service personnel. Any unauthorised changes or modifications to this equipment would render the manufacturer's warranty null and void.
  14. **WARNING:** Tube electronics use high voltages that can cause injury or death. Dangerous voltages may be stored in capacitors many hours after the unit has been tuned "OFF".
  15. Check that your local mains supply voltage agrees with the setting indicated on the back panel of the amplifier. Always use a quality power surge protector.

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16. Always turn OFF the power switches when connecting or disconnecting from mains power.
17. It is recommended that you disconnect the power supply from the mains when the unit is in a protracted period of non-use (holidays, etc) and during initial setup.
18. Refer to the owner's manual of each component that is connected to this unit.

### VACUUM TUBE AMPLIFIER

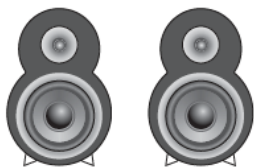
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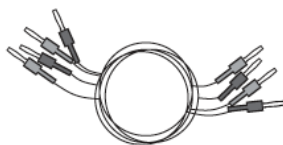
Vacuum Tube Amplifier

### SPEAKERS

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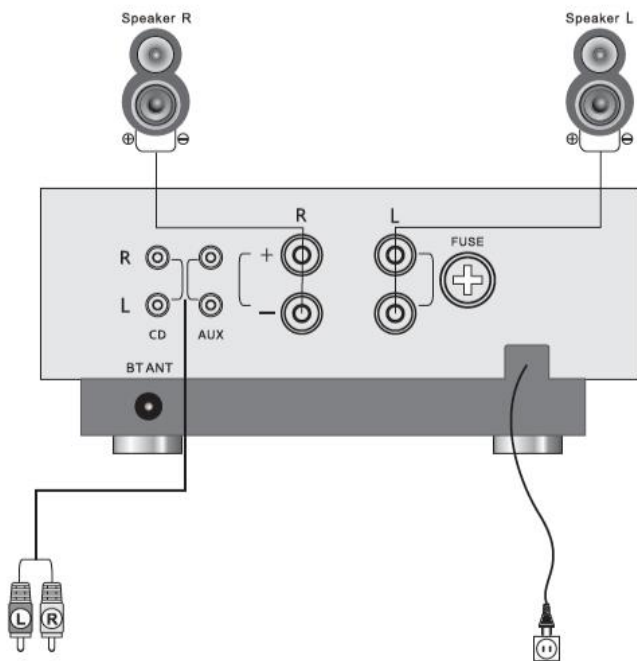
Speakers 307S



Speaker Cable

## System Set-Up

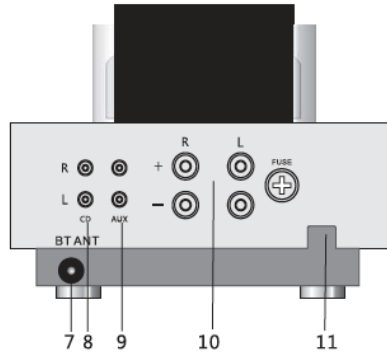
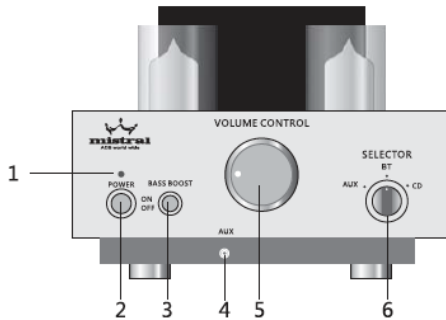
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# Vacuum Tube Amplifier Instructions

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|-------------------|--------------------|
| 1. Power LED      | 2. Power Switch    |
| 3. Bass Boost     | 4. AUX Front In    |
| 5. Volume Control | 6. Input Selector  |
| 7. BT ANT         | 8. CD Input        |
| 9. AUX Input      | 10. Speaker Output |
| 11. AC Power In   |                    |

## Bluetooth Connection

- Select BT on the right hand input selector switch.
- Select Bluetooth on your audio source e.g. Smartphone, Laptop etc.
- After a short time BLUE SPEAKER will appear on your audio source screen. Select "Pair".
- DT307B will now be ready to play your music wirelessly within a range of approximately 30ft.

## Troubleshooting

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If the unit fails to operate normally, check the following points to determine whether the fault can be corrected. If it cannot be corrected, or if the fault is not listed in the Problem column, disconnect the power cord and contact your authorised dealer or service centre for help.

Problem	Cause/Remedy
No power when unit is turned on.	<ul style="list-style-type: none"><li>▪ Switch on the electric current at the socket</li><li>▪ Check that the plug has been correctly inserted into the socket.</li><li>▪ The internal fuse has blown and must be replaced by a qualified service technician.</li><li>▪ The power cord has been damaged and must be replaced.</li><li>▪ Input selection is not correct. Ensure input selection is set to the correct source.</li></ul>
No sound.	<ul style="list-style-type: none"><li>▪ <b>Input source volume is low.</b> Increase the volume level on the source device.</li><li>▪ <b>No volume or low volume.</b> Turn the volume control to increase the volume level.</li><li>▪ <b>Speakers are not properly connected to the unit.</b> Check that they are connected correctly.</li></ul>
Sound is distorted	<ul style="list-style-type: none"><li>▪ <b>Volume level on speaker system is set too high.</b> Decrease Volume.</li><li>▪ <b>Sound source is distorted.</b> WAV and MID files are sometimes of poor quality. Therefore distortion and noise are easily noticed on high quality systems. Try a different audio source (e.g. CD Player)</li></ul>

## Technical Data

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### Kit Contents

Vacuum Tube Amplifier  
3.5 mm Stereo Cable

### Specifications

Power Output	25W x 2
Frequency Response	20Hz – 20kHz
Harmonic Distortion	<=0.1%
Signal-to-noise ratio	>=85dB
Input Impedance	470kOhms
Power Supply	AC100V – 120V 50/60Hz AC220V - 240V 50/60 Hz

We reserve the right to change the technical data and the design of the product without notice as a result of further development.

