

Item ref: 103.109UK

User Manual

STA50-BT

DIGITAL STEREO AMPLIFIER

WITH BLUETOOTH™



Box contents:

- 1 x STA50-BT Amplifier
- 1 x Remote Control
- 1 x NFC Tag
- 1 x Fig 8 UK Power Lead

A digital stereo amplifier capable of delivering up to a powerful 85W max. per speaker output with very little distortion. Built-in Bluetooth™ connectivity makes this amplifier incredibly easy to use and ideal for home multimedia. Also great for commercial installations where there is confined space.

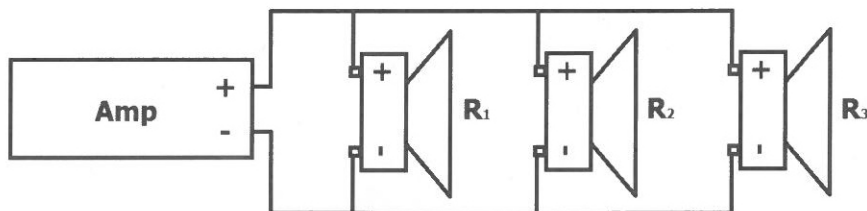
- Class D digital amplifier in a compact unit
- NFC technology allows simple tap and connect with Bluetooth™ devices
- aptX® coding provides high definition, consistent audio streaming through Bluetooth™
- Bluetooth™ device playlist can be control by supplied remote controller
- NFC tag supplied allowing the connection to be in an alternate location to the amplifier
- 2 x RCA gold plated stereo line inputs
- 4 x gold plated binding post stereo output to speaker
- 3.5mm line output for active subwoofer or signal feed for other devices

Installation

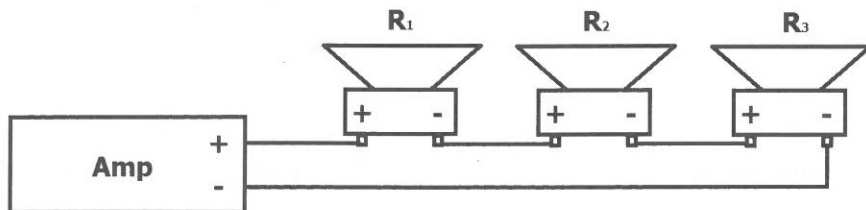
STA50-BT is capable of 4-16Ω impedance output. If more than one speaker is to be connected to the amplifier per channel then please ensure total impedance of the speakers are within the range.

The total impedance can be work out by the below formula:

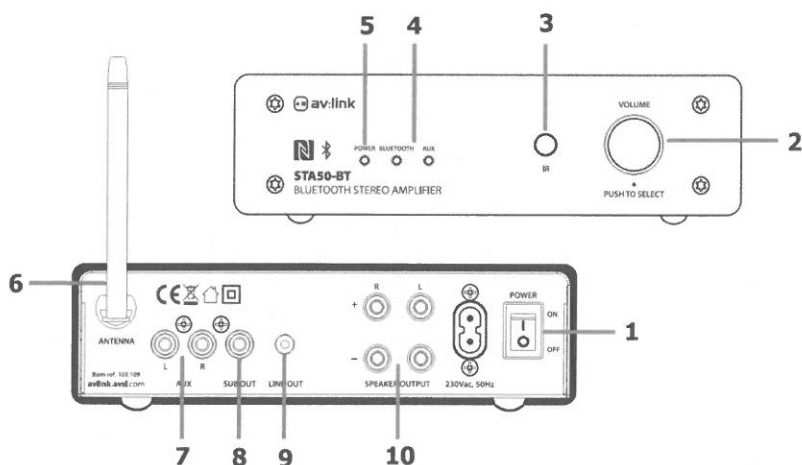
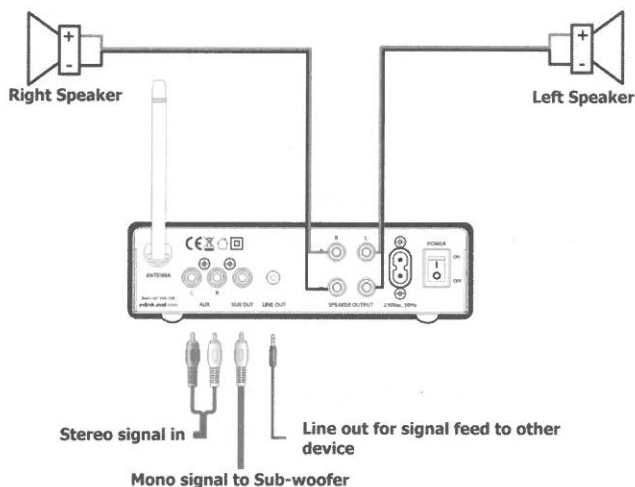
Parallel Connection - $1/R_{total} = 1/R_1 + 1/R_2 + 1/R_3.....$



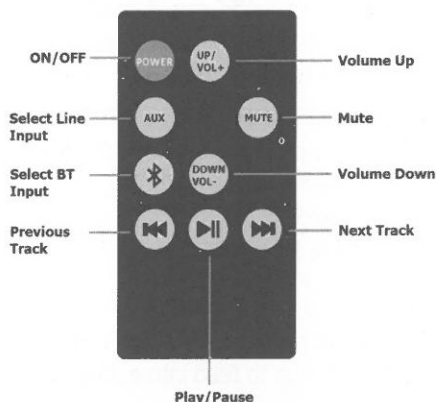
Series Connection - $R_{total} = R_1 + R_2 + R_3.....$



Before connecting the speakers to the amp, please ensure the power is switched off and power supply is removed from the mains to avoid damage to equipment and installer.



- | | |
|-------------------------|------------------------------------|
| 1. ON/OFF Switch | 7. RCA Stereo Line Input |
| 2. Volume/Input Control | 8. RCA Mono Output to Active Sub |
| 3. IR Receiver | 9. 3.5mm jack stereo line output |
| 4. Input Indicators | 10. Bind Post Active Stereo Output |
| 5. Power Indicator | |
| 6. Bluetooth Antenna | |



Please note - before playing, always ensure the output volume is set to minimum to avoid damage to equipment.

Volume Control

Output volume can be adjusted from rotary switch, anti-clockwise to reduce and clockwise to increase. Volume can also be controlled by the remote by pressing the volume up and down button while pointing at the IR receiver on the front of the amplifier.

Aux Line Input

To play through line input, simply press the front rotary switch or the "AUX" button on the remote control until the "LINE IN" LED on the front of the amplifier is illuminated. Connect the aux audio source to the two RCA sockets on the back of the amplifier. Turn volume up slowly until desired music level is achieved.

Bluetooth Input

To select bluetooth input, simply press the front rotary switch or the Bluetooth button on the remote control until the "Bluetooth" LED on the front of the amplifier is flashing. To pair, activate the Bluetooth function on the device and look for "STA50-BT" for pairing. Once paired, the "Bluetooth" LED will remain illuminated. Music can now be playing from the bluetooth device to the amplifier, turn the volume up slowly until desired music level is achieved. For details on bluetooth pairing please refer to your device manual.

NFC

This function allows simple tap to pair between NFC compatible bluetooth devices. A NFC tag is supplied with the the amplifier which contains the unique ID of the amplifier's bluetooth. This allows a quick connection point different to the location of the amplifier, providing it is still within a 10m radius of the amplifiers location.

To use NFC function, first of all the NFC data exchange function needs to be switched on, please refer to your device manual on how to enable NFC data exchange function. Once its

on, simply tap the back of the device to the NFC tag. A message should pop up to confirm if you want to pair up with "STA50-BT". Press YES or OK to confirm pairing. Please note, detection of the NFC tag is within 3cm distance, covers or cases may prevent your device from detecting the NFC tag. If this is the case, remove your case or cover and try again.

To check if your device is NFC enabled please check with the compatibility list on the link below:

http://en.wikipedia.org/wiki/List_of_NFC-enabled_mobile_devices

SUB out and Line out:

ST50-BT also have 2 signal outputs at the back panel to feed into other devices. "sub out" which is a mono signal level output design to feed into active subwoofer. Line out is the line level output design to feed to other amplifiers or other monitors devices.

Specifications

Power Supply	100-240Vac, 50/60Hz
Max. output	85W per channel
Output power	35Wrms @ 8Ω, 5% THD per channel 50Wrms @ 4Ω, 5% THD per channel
Output impedance	4Ω to 16Ω
Bluetooth™ range	10m
Bluetooth™ version	2.1
Dimensions	192 x 175 x 55mm
Weight	1.4kg

Troubleshooting

No power / power LED not lit	Check power switch on the back of the amplifier is switched on.
	Check DC plug is fully inserted at the back.
	Check the mains is switched on and mains lead is in good condition and fully inserted to the DC adaptor.
Power on but no music output	Check input connection is connected properly.
	Check the correct input is selected.
	Check audio device is playing.
	Check volume of audio device and amplifier are up.
	Check speaker cable is striped and connected properly to the amplifier and speaker.

Diminishing output	Check speaker polarity is connected correctly.
	Check audio source volume is up.
	Check line in connection cable.
Unable to pair devices	Check device Bluetooth™ function is enabled.
	Check amplifier input is selected to Bluetooth™.
	Check distance between devices and amplifier is within 10m with no major obstacle in between.
	Restart Bluetooth™ device.
Unable to use NFC	Check device compatibility.
	Check NFC data exchange function is enabled.
	Check if device is in a case cover, try with cover removed.
	Check distance between device and amplifier is within 10m with no major obstacle in between.
Disrupted output	Check output volume is not set too high.
	Check line input cable ensure it is not worn or damaged.
	Check amplifier is not located near any mains or router when using Bluetooth™ connection.
	Check speaker cable does not run along mains cable.
	Check distance between devices and amplifier is within 10m with no major obstacle in between.



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines

*Errors and omissions excepted.
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