TECHNICAL SPECIFICATIONS

Power Output (10% THD)	2 x 160 watts into 4 ohms/ 2 x 120 watts into 6 ohms 2 x 100 watts into 8 ohms
Amplifier Efficiency	>90%
Minimum THD	<1%
Signal-to-noise Ratio	>90 dB
Frequency Response	20-20,000 Hz
Bluetooth Compatibility	Bluetooth v4.0, up to 20 meters/ Distance will vary
DC Power Input Jack	2.5 mm x 5.5 mm
Power Requirements	18 to 36 VDC, 4.5A
Included Power Supply	110-240 VAC input, 36 VDC, 4.5A output
Dimensions	4.5" W x 1.25" H x 7" D (114.3mm W x 31.8mmH x 177.8mm D)

CAUTION

CAUTION

For indoor use only. Your 50-20810 should not be exposed to any outdoor elements including dust, water, moisture, humidity, or temperatures outside normal living conditions. There are no user serviceable parts inside your amplifier, therefore do not open your 50-20810 or it will void your warranty. For optimum life of your 50-20810 place it in a location that is open and where air can fully circulate. Use a clean cloth to dust your 50-20810. Your amplifier comes with a compatible power supply. If an inappropriate power supply is used and the unit is damaged the warranty will be voided.
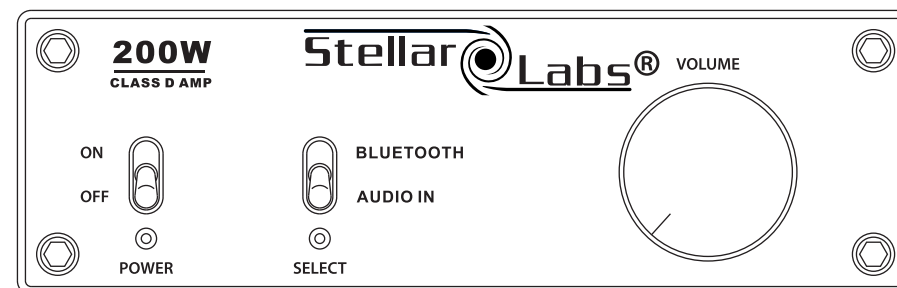
QUESTIONS / PROBLEMS

QUESTIONS / PROBLEMS

Consult your Owner's Manual for set-up and operation. Should you have questions or issues not found in the manual please contact your place of purchase.
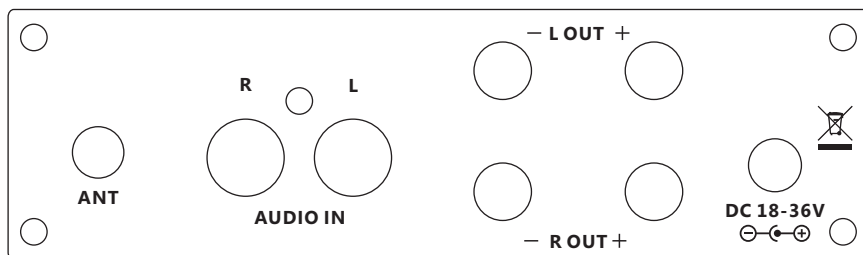
50-20810   OWNER'S MANUAL

200 WATT CLASS D BLUETOOTH aptX STEREO AMPLIFIER

INTRODUCTION

INTRODUCTION

Thank you for purchasing the 50-20810. The 50-20810 uses a STMicroelectronics TDA7498E Audio Amplifier for amazing performance and clarity with superb power handling and efficiency. Built-in thermal overload and short-circuit protection combined with the selection of only the highest quality components ensures your 50-20810 will provide you with years and years of audiophile quality listening enjoyment. Your 50-20810 includes RCA Left/Right line level inputs found on the rear of the amplifier. If your device does not have a RCA Left/Right output you can use an adapter cable such as a 3.5mm to RCA Cable or other line level cables that meet your source device's type of output. The 50-20810 includes Bluetooth streaming audio. Use the Bluetooth aptX connection to wirelessly stream audio from your iPhone, Android smartphone, tablet, or laptop. The aptX codec produces better quality sound than standard Bluetooth when used with aptX compatible devices. With 100 watts per channel, the 50-20810 stereo amplifier is perfect for desktops, bookshelf speakers, and most home audio applications. Included with your 50-20810 is a 36VDC power supply that provides the horsepower for your 50-20810 to fill any room with quality sound and performance.

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     ANT          ○    ○                         DC 18-36V
          AUDIO IN     ○          ○              ⊖─◖─⊕
 ○                       − R OUT +                 ○
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CONNECTING SPEAKERS

CONNECTING SPEAKERS

The 50-20810 features binding posts for more convenient speaker connection. These binding posts will accept bare wire, 3/8" spade terminals, or standard banana plugs. Note: The binding posts will accommodate dual banana plugs.

USING LINE LEVEL INPUT

USING LINE LEVEL INPUT

Many portable music players use a 3.5mm jack to play music through headphones. Connect a 3.5mm to RCA cable between the source headphone out and the amplifier's line input. If the source device is not portable it likely uses RCA stereo cables. Connect a stereo audio cable from the source device to the amplifier's line input.

USING THE BLUETOOTH CONNECTION

USING THE BLUETOOTH CONNECTION

The Bluetooth audio source device must be paired and connected to the 50-20810 to play music wirelessly from your phone, tablet, or other music player.

AMPLIFIER

AMPLIFIER

- Turn the power switch to "Off"
- Set the select switch to "Bluetooth"
- Turn the power switch to "On"

MOBILE DEVICE

MOBILE DEVICE

- On your mobile device select "HiFi" from available devices to pair the devices
- From "Paired Devices" list select "HiFi"
- Under Settings, select "Use for media audio"
- The 50-20810 will emit a beep to let you know that the mobile device is paired and selected. Adjust the output level of the mobile device to approximately 75% for best sound quality and adjust the master volume on the amplifier to set the ideal listening level.

NOTE

NOTE

It is normal for some Bluetooth devices to require a little more time to pair Bluetooth with your 50-20810. If you have trouble pairing and connecting to the amplifier simply repeat all of these steps for the amplifier and mobile device several times until you have a successful pairing. Your Bluetooth enabled device should remember the 50-20810 in the future and not require this extra effort before the amplifier will play music from the mobile device.

OPERATION

OPERATION

- Connect 4-8 Ohm speakers to the binding posts
- Plug the power supply into the amplifier then into the wall outlet
- LINE LEVEL IN: Connect a line-level device to the RCA inputs and set input to "Select"
- BLUETOOTH: Turn on the amplifier, set the input switch to BLUETOOTH follow pairing instructions
- Adjust the volume to the desired listening level