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Introduction

The Mixer-Amplifier is a 4 channel audio mixer combined with a 6 watt amplifier on one board. You can mix sounds from up to 4 sources. It is equipped with separate volume controls for each channel and screw terminals for easy, no-soldering connection. A full range speaker is also included. It also features Reverse battery protection and a one year limited warranty.

Mixer-Amplifier Specifications

Input voltage range: 8 to 15 volts DC

Audio Output type: Mono, bridge-mode.

Audio Output Power:

6 watts peak (with a 4 ohm speaker & 12 volt battery)

Distortion: Less than 1% THD+noise at 6 watts

Input Current: 1/2 amp (at 6 watts output)

Size: 2.7" X 1.4" x 0.5" (69 mm x 33 mm x 8 mm)

Speaker Specifications

Frequency response: 66hz to 20Khz

Sound Pressure Level: 83 db at 1 watt per meter

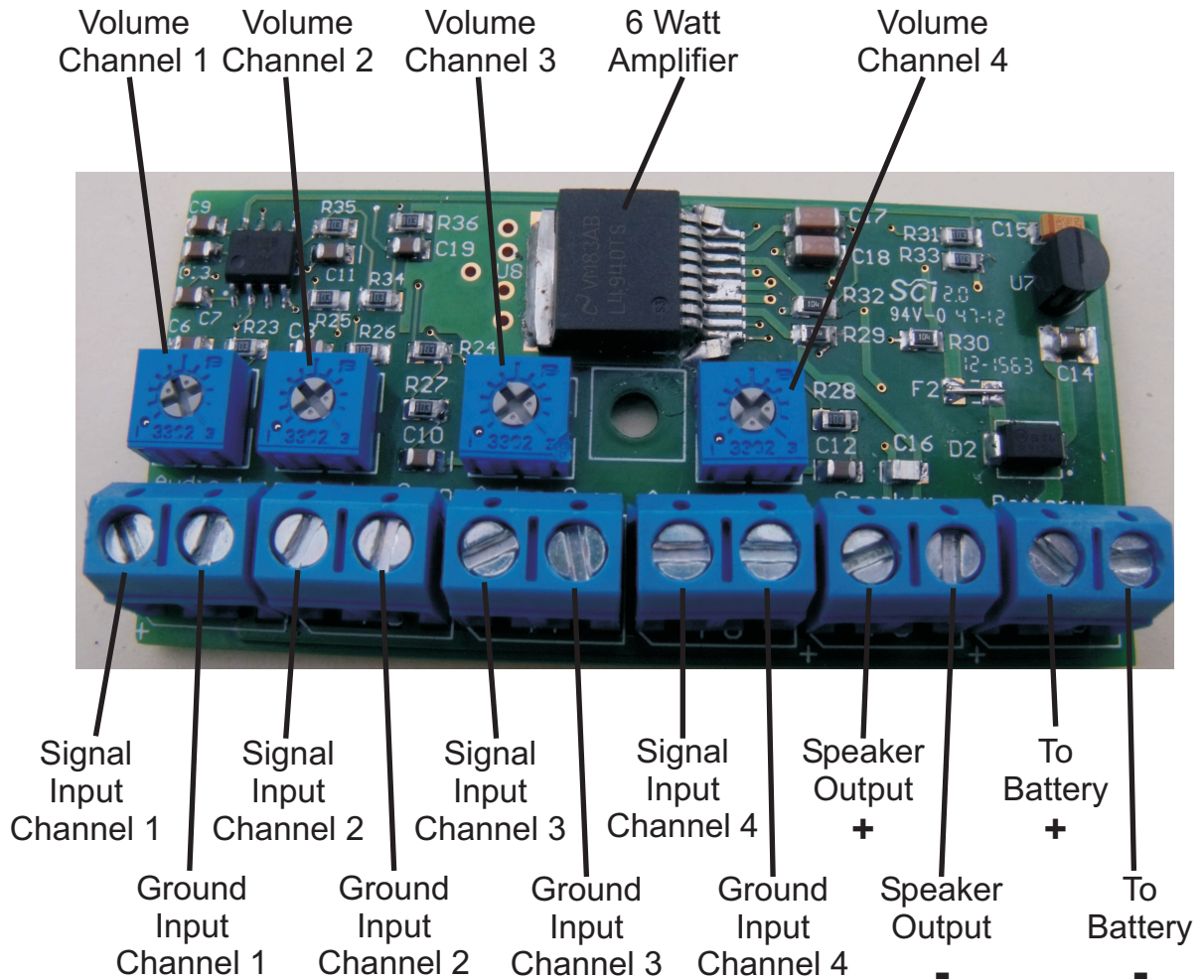
Impedance: 4 ohms

Size & Weight:

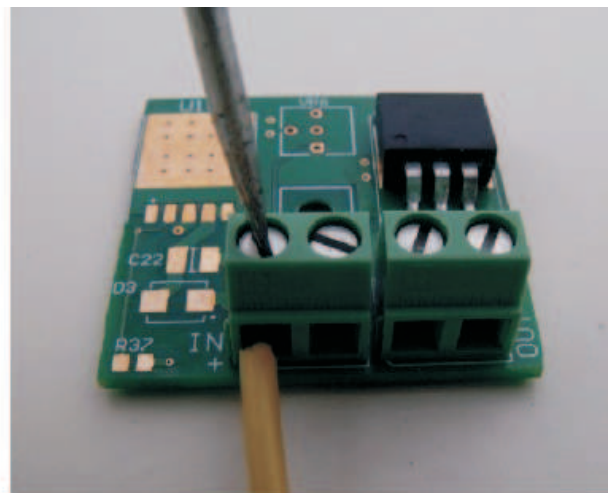
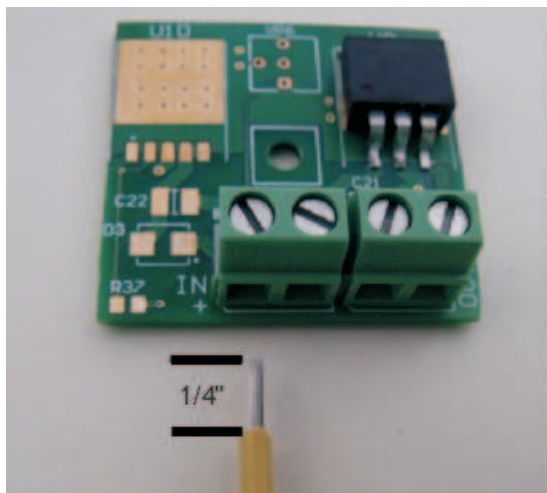
3.5" diameter

400 grams

Page 2 - Layout and Wiring



To operate the Mixer-Amplifier requires connection to a battery, the speaker and at least 1 input sound source. Any unused input channels can be left unconnected. See page 6 for the wiring example. Use 18, 20 or 22 gauge wire. First strip 1/4 inch (5 mm) of insulation off the end of the wire to be connected as shown below on the left. Then insert the wire into the terminal and tighten the screw as shown on the right.

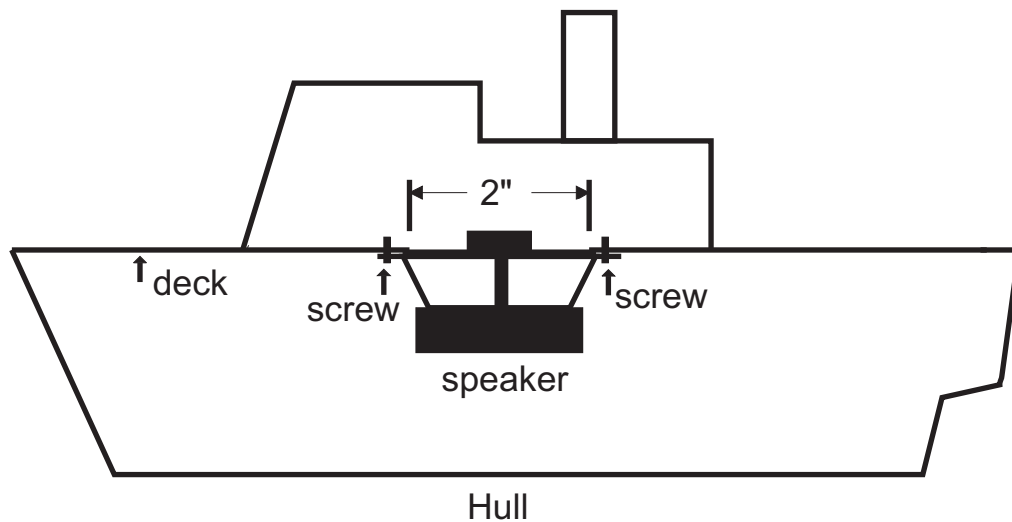


Mounting Instructions for the Mixer-Amplifier

The recommended way of mounting is to screw the SPB to a wooden surface using the #4 wood screw included. Be careful not to pin wires underneath the unit.

Mounting Instructions for the Speaker

The speaker must be mounted to the underside of the deck as shown below. A round opening of at least 2" must be cut in the deck to allow the sound from the speaker to exit. The best place to do this is underneath the superstructure. Some openings must be provided for the sound to exit the superstructure; this could though the funnel or open doors or port holes or ventilators. **Note: the speaker is quite heavy and the deck may have to be reinforced to support it's weight.**



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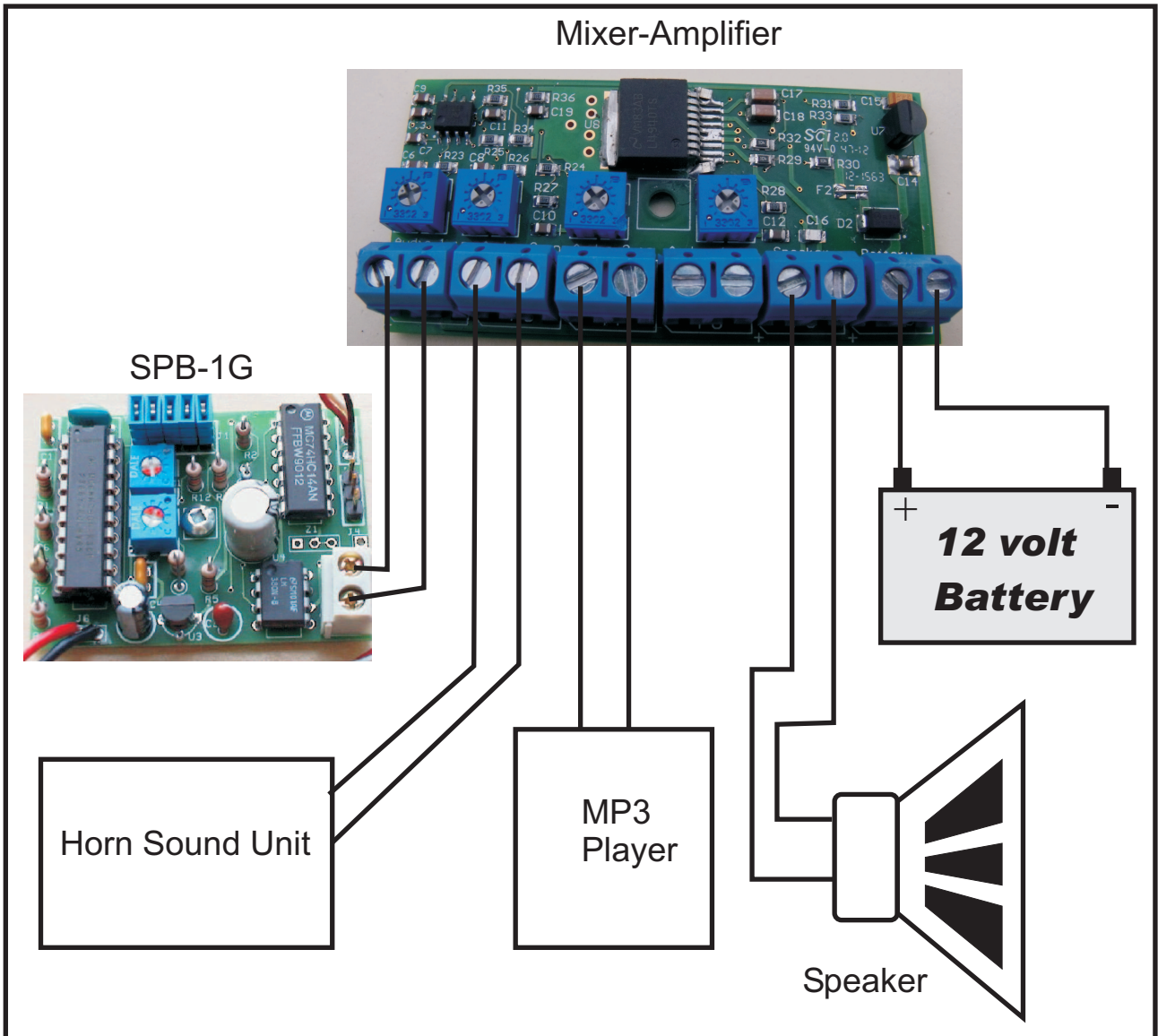
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Typical Mixer-Amp Application

This example is for a harbor cruise party boat. 3 sound sources, engine, horn and MP3 music player are mixed together and all come through the same speaker.



Compatibility Guarantee

If this product is not compatible with your RC system you can return it within 30 days of receipt for a full refund (less shipping). Please enclose a note stating the make and model number of your transmitter.

Limited Warranty

This product is warranted against defects in parts or workmanship for a period of 1 year from date of purchase. EA Electronics does not assume any liability arising out of the use of this product.

This warranty is void if the product has been physically damaged or has been connected to a power source with the positive and negative wires reversed or operated above the maximum voltage. Any user modifications to the unit will void this warranty.

Technical Support

Technical support is available by calling:

905-619-1813 (Monday to Friday - 7pm to 10pm E.S.T.)

or contact us by E-MAIL at: eeelec@sympatico.ca

Mixer-Amplifier

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