Purpose
This document shows how to assemble 1/4” jack speaker plugs for use with Peavey speakers.

Audience
- TouchTunes Jukebox Operators
- TouchTunes field service and customer support
- TouchTunes sales personnel

Estimated Time
15 minutes

Required Personnel
1 Technician

This document includes the following task types:

- [ ] Software
- [x] Electrical
- [ ] Mechanical
- [ ] Packaging

Topics
- Required Tools and Equipment
- Included in This Kit
- Included in This Kit
- Contacting TouchTunes Technical Support

Required Tools and Equipment
1. Wire stripper
2. Small flat-head screwdriver
3. Wire cutter
4. This kit, included with TouchTunes P/N 600190-0010 or 600190-012

You will also need to provide your own speaker wiring. TouchTunes recommends using 18-gauge speaker wire, at least. For longer runs (more than 50 feet) 16-gauge should be the minimum.
Included in This Kit

Ensure that you have received all the required parts before proceeding with this installation.

<table>
<thead>
<tr>
<th>Part</th>
<th>Amount</th>
<th>TouchTunes Part #</th>
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</thead>
<tbody>
<tr>
<td>1/4” Mono Speaker Jack</td>
<td>1</td>
<td>100353-001</td>
</tr>
<tr>
<td>Euroblock connector</td>
<td>1</td>
<td>100000-001</td>
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<tr>
<td>This document</td>
<td>1</td>
<td>900755-001 Rev.00</td>
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</tbody>
</table>

Attaching the Jack to Speaker Wire

1. Unscrew the 1/4” jack’s shroud and remove the protective plastic tubing to expose the terminals:

![Image of a 1/4” jack](image1)

2. Out of the tip and the sleeve of the jack connector, determine which should be positive (+) and which should be negative (-). In the case of a Peavey PR12, the tip is positive (+) and the sleeve is negative (-).

![Image of a 1/4” jack terminals](image2)

The tip terminal is always in the center, and the sleeve terminal is always on the outside.
3. Cut your speaker wire such that one of the wires reaches the tip terminal, while the other reaches the sleeve terminal. This will prevent binding when the shroud is screwed back onto the plug.

4. Strip about 1/4” of insulation off the speaker wire. Divide the bare wire in half, then twist each half together. Do this for both wires.

5. Slip the metal shroud and internal plastic sleeve onto the wire.
6. Using the screwdriver as a form, wrap both twisted strands of the bare wire around the shaft of the screwdriver to make a tight loop of wire.

7. Insert the terminal screw through the bare wire loop you just created, and then screw this into the terminal. Make sure none of the bare wire is exposed outside the terminal's screw down area, as this could lead to short-circuits.

8. Repeat steps 6 and 7 for the second terminal.

9. Slide the internal plastic sleeve over the wired terminals, then slide the metal shroud over the terminals and the plastic sleeve, and screw it on.
10. Fasten the other ends of the speaker cable into the euroblock connector you will be connecting to the amplifier (either a DA415, DA950-U, or the DA950-V inside Virtuo) making sure to connect the positive and negative wires to the correct terminals (this is normally indicated on the amplifier itself.)

11. Plug the 1/4” jack into the back of the speaker, and then mount the speaker into position at the location.

12. You’re done!
Contacting TouchTunes Technical Support

If you need help with or have questions about this document, contact TouchTunes by:

- using the e-mail links on the Contacts page on the TouchTunes Dashboard at https://operator.touchtunes.com
- calling TouchTunes 24/7 Service Hotline at 847-353-1954

To help us assist you more effectively with problem reports, this information may be required when contacting TouchTunes Support:

- Jukebox ID and model, such as Virtuo, Allegro MX-1, Ovation, Maestro II
- the serial number of any component you believe to be defective
- the date/time of the problem
- actions performed immediately before the problem occurred
- any additional comments