

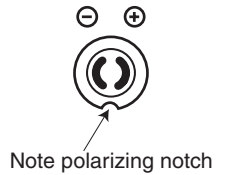
### Technical Note #9 Speaker Polarity

The industry convention for speaker polarity is to label the speaker terminals such that if a positive DC voltage is applied to the speaker's positive terminal, the speaker diaphragm will push out away from the speaker magnet. However, not all speaker manufacturers label the terminals.

It is easy to identify the polarity of an unlabeled speaker with a 1.5V battery by connecting the negative lead of the battery to one of the speaker terminals and the positive lead of the battery to the other speaker terminal and observing which way the speaker cone travels. If it moves out, then the positive speaker terminal is the one connected to the positive battery lead. Otherwise, if the cone moves in, it can be surmised that the positive battery lead is connected to the speaker's negative terminal.

SoundTraxx 3/8", 3/4" and 1" speaker polarities are noted at right:

3/8" Speaker



3/4" Speaker



1" Speaker

