



# Musical Surroundings

---

## Fozgometer Testing and Calibration Procedure

Download 3 Test tracks and burn a CD. Use a CD or DVD player to play this test disc. Since a CD player's output may not be exactly equal in both channels, there could be an error of up to 3% but this is non-critical.

### Test Disc contents:

- 1) Track One: 1 kHz sine wave, L channel 0 dB, R channel 0 dB
- 2) Track Two: 1 kHz sine wave, L channel -20 dB, R channel 0 dB
- 3) Track Three: 1 kHz sine wave, L channel 0 dB, R channel -20 dB

### Calibration Procedures:

- 1) Mechanical Zero: Turn the Fozgometer power switch OFF. Trim the black screw at the base/middle of the meter until the meter needle points to ZERO. Clockwise rotation lowers the needle, counter-clockwise raises.
- 2) Remove Fozgometer from case. Connect the Left/Right outputs of the CD/DVD player to the Fozgometer L/R inputs observing proper channel orientation. Turn the Fozgometer ON.
- 3) Play Track One; Trim RW1, a small set screw in a blue plastic housing, on the right edge of the main PCB when looking down from the face of the unit. Adjust RW1 until the meter points to ZERO. Only the middle (green) LED will light for this test.
- 4) Play Track Two; Trim RW2, a small set screw in a blue plastic housing on the left edge of the PCB when looking down from the face of the unit. Adjust RW2 until the needle points to 20 dB. Only the Right (red) LED will light for this test.
- 5) Play Track Three: The needle should point to 20 dB with only the Left (red) LED lit. If this is not the case, repeat steps 3, 4 and 5.

**Musical Surroundings Inc**  
**5662 Shattuck Ave Oakland, CA 94609**  
**510 547-5006, fax 510 547-5009**  
**info@musicalsurrroundings.com**