Quick Start Guide
Speakers, Cross-over and Amps

Subwoofer

PL-11NR (One DML)

Weight - 58.8 lbs • 26.8 kg

EQ Settings
1. High Pass – Butterworth 30dB/oct Slope 90Hz
2. Low Pass - Butterworth 6dB/oct Slope 17kHz
3. Peaking - 265Hz Level: -5.5dB Q: 3.1 B/W: 0.46
4. Peaking – 449Hz Level: +2dB Q: 1.1 B/W: 1.27
5. Peaking – 965Hz Level: -5.2dB Q: 0.9 B/W: 1.53
6. Peaking – 2.8kHz Level: -1dB Q: 0.9 B/W: 1.53
7. Peaking – 5.3kHz Level: -2dB Q: 3.2 B/W: 0.45
8. High Shelf – 4000Hz Level: -3dB Q: 1 B/W: 1.39

A power response is used to evaluate the acoustic performance of a PL-11NR. The reason for this is because the single location measurements typically used in speaker evaluation cannot accurately depict the behavior of a Resonant Mode panel.

Conventional point source speakers produce uniform pressure waves. This means that the position of the measurement microphone will measure the same wave at the same relative time. The only thing that should change with measurement angle is the high frequency performance (due to beaming).

The PL-11NR emits sound from bending waves on the surface of a panel. Pressure waves are created at different locations over the surface of the panel as well as at different frequencies. At any one measurement location, the various frequencies of the panel have varied interactions. Because of this, no one measurement can accurately depict what a listener would experience in a room.

A power response is a measure of the total hemispherical energy produced by a speaker. It is created by taking numerous measurements at constant angles and then combining them based on the weight of each area the angle represents on the hemisphere. This combined measurement shows the average 180-degree radiation of the PL-11NR.
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**Subwoofer**

**PL-11** (One ribbon, one DML)
- Weight: 68 lbs • 30.8 kg

- PIN OUTS
  - Ribbon 12
  - DML 4
  - 1+
  - 1-
  - 2+
  - 2-

- 400W RMS 240W RMS

**Subwoofer**

**PL-12** (One ribbon, two DMLs)
- Weight: 98 lbs • 45 kg

- PIN OUTS
  - Ribbon 12Ω
  - DML 8Ω
  - 1+
  - 1-
  - 2+
  - 2-

- 800W RMS 240W RMS

Parametric EQ Settings:
1 - 225Hz, -4dB, Q 3.79, B/W 0.38
2 - 400Hz, -2dB, Q 4.0, B/W 0.36
3 - 1.45kHz, -3dB, Q 2.73, B/W 0.525
4 - 8.61kHz, -3dB, Q 7.63, B/W 0.18

Variable delay ~0.13ms

Gain -2dB
Temporary Live Rig

- **HS-12 (11)**
- **Shackles**
- **CGF (pr)**
- **QPL (pr)**
- **CTL (pr)**
- **EHL (pr)**

- **M8 Bolts**

- **0°, 3°, 5°, 7°, 10°, 15° angles available**

- **(Span set or chain hoist)**

- **(Optional pull-backs)**

**Contact Information**

Tectonic

+(425) 686-7640

www.tectoniaudiolabs.com
Installed Flying Rig

Suspension Cables

Shackles

EHL (pr)

Bolts (pr) 5/16th x 1.25"

CTL (pr)

Bolts (pr) 5/16th x 1.25"

CBL (pr)

M8 Bolts

0°, 3°, 5°, 7°, 10°, 15° angles available

EHL (pr)

Bolts (pr) 5/16th x 1.25"

( Optional pull-backs)
VESA Mounting

Optional VML Mount
400mm x 400mm

486 mm x 325 mm
Stand-off spacing usable
w/ adaptable mounts

M8 Bolts / Screws
1.25mm pitch

Floor Stand

Ceiling Mount

Wall Mount

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