

## How to Calibrate the AXiom PAE-1 for your preamp or overdrive pedal:

Set the PAE-1 to the following settings:

| Feedback | Bias | PI Gain | Master | Atten    | Rectifier | Tube | Power  | Bias Type    | Configuration |
|----------|------|---------|--------|----------|-----------|------|--------|--------------|---------------|
| “NONE”   | 10   | “1”     | 5      | to taste | “STIFF”   | “UL” | “100W” | “Fixed Bias” | “Push-Pull”   |

With the PAE-1 set to these settings, adjust the output of your preamp/pedal so the PAE is on the edge of light break-up.

### Sample PAE-1 settings:

| Amplifier <sup>a</sup>               | Feedback              | PI Gain                | Rectifier  | Tube       | Power       | Bias <sup>b</sup> | Bias Type  | Configuration |
|--------------------------------------|-----------------------|------------------------|------------|------------|-------------|-------------------|------------|---------------|
| Fender Champ 5F1 Tweed               | 2                     | 89 to 100 <sup>c</sup> | 10 (5Y3)   | 6V6        | 5W          | 3-4               | cathode    | single-ended  |
| Fender Deluxe 5E3 Tweed              | 0                     | 73 to 84 <sup>c</sup>  | 10 (5Y3)   | 6V6        | 15W         | 10                | cathode    | push-pull     |
| Fender 5F6 Bassman (1959)            | 6.0                   | 79                     | 5 (GZ34)   | 5881 (6L6) | 45W         |                   | fixed bias | push-pull     |
| Fender Twin Reverb AB763 Blackface   | 7.5                   | 74                     | 3.5 (SS)   | 6L6        | 85W         |                   | fixed bias | push-pull     |
| Fender Deluxe Reverb AB763 Blackface | 2.4                   | 84                     | 5 (GZ34)   | 6V6        | 22W         |                   | fixed bias | push-pull     |
| Vox AC30 Top Boost (1964)            | 0                     | 47                     | 5 (GZ34)   | EL84       | 30W         | 5                 | cathode    | push-pull     |
| Marshall JMP 1959 (1968)             | 5.8                   | 75                     | 3.5 (SS)   | EL34       | 100W        |                   | fixed bias | push-pull     |
| Ampeg SVT (1970)                     | 1                     | 56                     | 3.5 (SS)   | 6550 (6L6) | 300W (100W) |                   | fixed bias | push-pull     |
| Marshall 1959 MkII (1973)            | 4.4                   | 71                     | 4 (SS)     | 6550 (6L6) | 100W        |                   | fixed bias | push-pull     |
| Marshall JCM800 2203 (1981)          | 3.2                   | 85                     | 3.7 (SS)   | EL34       | 100W        |                   | fixed bias | push-pull     |
| Dumble Overdrive Special (1997)      | 3.0                   | 87                     | 3 (SS)     | EL34       | 50W         |                   | fixed bias | push-pull     |
| Mesa/Boogie Dual Rectifier (1993)    | 0 to 7.5 <sup>d</sup> | 80                     | 2 (SS) / 6 | 6L6        | 100W        |                   | fixed bias | push-pull     |
| Soldano SLO-100 (1996)               | 7.7                   | 87 to 100 <sup>e</sup> | 2          | 6L6        | 100W        |                   | fixed bias | push-pull     |

<sup>a</sup> The PAE emulates only the power amp section of these amps. Set your preamp accordingly.

<sup>b</sup> BIAS settings in “Fixed Bias” mode are subject to taste but BIAS settings below ~3 may introduce cross-over distortion.

<sup>c</sup> The lower PI GAIN setting corresponds to vintage output single-coil pickups and the higher setting to PAF style humbuckers.

<sup>d</sup> Negative feedback in the Dual Rectifier varies with the model year and mode: *Generally*, Raw = maximum -ve fb, Vintage = moderate -ve fb, Modern = no -ve fb

<sup>e</sup> Some later SLO-100 models sent a lower signal level into the power amp than earlier models - PI GAIN of 87 corresponds to those later models.