

Novacron amplifier quick setup and operation instructions
early '2 control' version

Installation: Place the amps in your system. Connect the preamp cable to the appropriate input connector on the rear of the amp. If you use the RCA input connector, make sure the shorting plug is installed between pins 1 & 3 on the XLR connector or a buzz may result. Verify that the power switch is OFF and connect AC power to the AC input connector on the rear of the amp. Connect the negative speaker cable to the negative output terminal and the positive speaker cable to the Bias Test post.

Setup: Install the tubes in their sockets. The smaller sockets take the 12AT7 tube. All other sockets take the 6C33 output tube (one matched set in front and one matched set in the rear). Engage the STANDBY and verify that the lower and middle LEDs are lit. Turn the bias control (closest to the edge of the chassis) fully counterclockwise. Set the DC Offset control (closest to the output tubes) to the center of its range.

Always allow at least 5 minutes for warmup of the tubes. The filaments of all tubes should be visibly glowing orange. Engage the ON position of the switch and verify that all LEDs are lit. The amplifier is now fully powered up.

Bias adjustment: NOTE: the speaker cable must be attached to the Bias Test Post for this procedure. Depress the Bias Test switch by the speaker terminals. Adjust the Bias Control for a reading of 350 mA on the meter. Release the Bias Test switch and allow the amplifier to settle for 1 minute. Adjust the DC Offset control to obtain a reading of zero on the meter. Remove the speaker cable from the Test Post and install it on the speaker terminal. After 1/2 hour repeat the procedure. The Bias should not exceed 500 mA at any time! This should be checked again at one hour. If the meter fails to respond, check the rear panel fuse by the AC inlet.

Operation: Remove the positive speaker cable from the bias test post and install on the positive output terminal. Failure to observe this step can result in damage to the meter (which is not covered by warranty) and a loss of sonic quality. The amplifier is now completely operational. The amplifier is designed for continuous operation, but if you are not currently listening, place the amp in standby to save output tube life and energy.

Tube Condition: The tubes should be matched, with one pair in the front and one in the rear. If any tube glows cherry red one should be instantly suspicious! One or both tubes of the pair are suspect unless a fuse for one of the pair is blown. If so, the tube glowing cherry might still be good. Contact Atma-Sphere if you have any questions. Uncontrollable readings on the meter indicate a short in a tube. Arc-over in an output tube (indicated by a popping sound at the time of failure) may blow a protection fuse. The tube will be unreliable if this occurs- replacement is indicated.