

AURORA 35



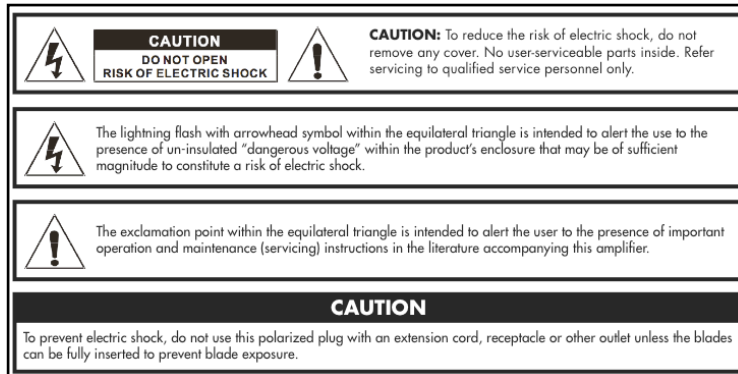
GUITAR AMPLIFIER

USERS GUIDE

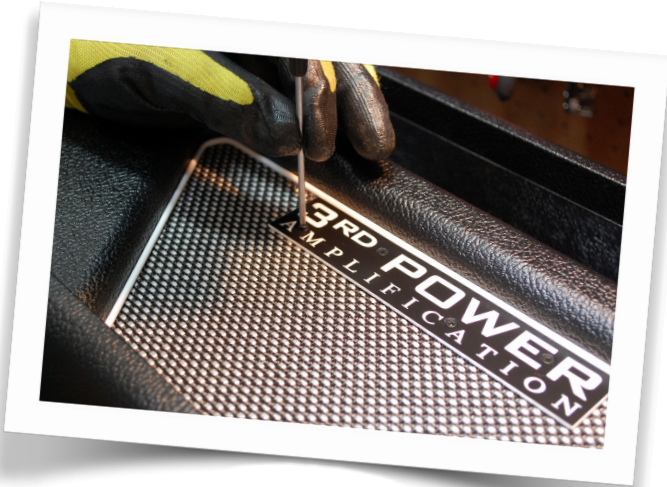
Your 3RD POWER Amplifier is a professional musical instrument amplifier. The information contained herein is current at the time of publication. However, specifications are subject to change without prior notice.

PRECAUTIONS & WARNINGS

- **READ THESE INSTRUCTIONS.**
- **KEEP THESE INSTRUCTIONS.**
- **HEED ALL WARNINGS.**
- **FOLLOW ALL INSTRUCTIONS.**
- **YOUR AMPLIFIER IS LOUD!
EXPOSURE TO HIGH SOUND VOLUMES MAY CAUSE PERMANENT HEARING DAMAGE !
Practice "safe listening."**
- **No user serviceable parts inside. Refer service to qualified personnel. Always unplug AC power before removing chassis.**
- **IF YOU INTEND ON OPERATING THIS EQUIPMENT OUTSIDE OF THE USA: Always insure that unit is wired for proper voltage. Make certain all connections and grounding conforms with local standards. Make certain that you have obtained authorization to operate prior to connecting to power supply.**
- **WARNING: Vacuum tube amplifiers generate heat. To insure proper ventilation always make certain there is at least four inches (100mm) of space behind the rear of the amplifier cabinet.**
- **Keep away from curtains or any flammable objects.**
- **WARNING: Do not block any ventilation openings on the rear or top of the amplifier. Do not impede ventilation by placing objects on top of the amplifier which extend past the rear edge of its cabinet.**
- **WARNING: Do not expose the amplifier to rain, moisture, dripping or splashing water. Do not place objects filled with liquids on or nearby the amplifier.**
- **WARNING: Always make certain proper load is connected before operating the amplifier. Failure to do so could pose a shock hazard and may result in damage to the amplifier.**
- **Do not expose amplifier to direct sunlight or extremely high temperatures.**
- **Always insure that amplifier is properly grounded. Always unplug AC power cord before changing fuse or any tubes. When replacing fuse, use only same type and rating.**
- **Avoid direct contact with heated tubes. Keep amplifier away from children.**
- **Be sure to connect to an AC power supply that meets the power supply specifications listed on the rear of the unit. Remove the power plug from the AC mains socket if the unit is to be stored for an extended period of time. If there is any danger of lightning occurring nearby, remove the power plug from the wall socket in advance.**
- **To avoid damaging your speakers and other music equipment, turn off the power of all related equipment before making the connections.**
- **Do not use excessive force in handling control buttons, switches and controls. Do not use solvents such as benzene or paint thinner to clean the unit. Wipe off the exterior with soft cloth.**
- **WARNING: Cancer and Reproductive Harm <http://www.p65warnings.ca.gov>**



MOVING FORWARD... IN 3D



Thank you for choosing the AURORA 35 by 3RD POWER as an integral part of your musical journey.

Music is a powerful blend of tone, attitude, and technique. When the right combination comes together, something extraordinary happens—it becomes an experience felt by everyone.

For over 30 years, I've had the incredible privilege of performing on stages and in studios, pursuing the sounds and responses

that make music truly come alive. As the principal visionary behind 3RD POWER, every product we design reflects that lifelong pursuit—shaped by my experience, energy, and passion for creating meaningful musical tools.

Each amplifier we build is designed to help you tell your story with greater depth, dimension, and connection.

Moving Forward... in 3D

Rock on!
- Dylana Nova Scott



Special Features of the AURORA 35 Amplifier:

- Exclusive 6VEL™ power architecture compatible with multiple output tube platforms:
 - 6V6 (approx. 18–20W)
 - EL34 (approx. 25–30W)
 - 6L6GC / 5881 (approx. 28–35W)
- Patented Venue Mode™ attenuator system for performance volume flexibility across a wide range of environments
- HybridMASTER™ volume management system for maintaining tonal integrity at lower listening levels
- Tube-buffered FX Loop
- Tube-driven spring reverb featuring a large-format reverb tank
- Volume, Treble, Middle and Bass controls
- Bright and Mid Voicing Switches
- Global HF Damp control for refining upper-frequency response in varying rooms and monitoring environments
- 8 ohm and two 4 ohm speaker output jacks
- Long-tailed-pair phase inverter for greater headroom
- Power and Standby switches on the front panel
- Choke filtered power supply
- Limited Lifetime Warranty
- Available as:
 - Head
 - 1x12 Combo

Tube Driven Spring Reverb:

The AURORA 35 features pure Class A tube-driven spring reverb, delivering authentic vintage-style ambience with warmth, depth, and dimensionality while preserving the amplifier's natural tonal integrity.

Dimensions & Weights:

Subject to change anytime. Please measure your amp carefully if a custom case is being made. These measurements do not include handle and rubber feet.

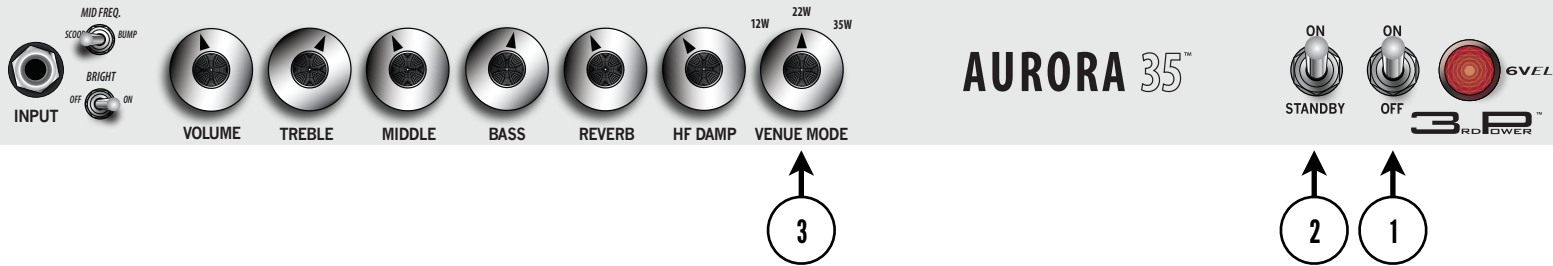
Dimensions (WxHxD): Head: 19-7/8 in. x 8.5 in. x 9 in.

112 Combo: 19-7/8 in x 16 in x 9.5 in.

Weight: Head: ~25 lbs.

112 Combo: ~35 lbs.

Front Panel: Preparing Initial Operation



Preparing to Operate your AURORA 35 Amplifier

Before operating your amplifier, ensure that all connections are properly made, including the power cable, speaker connection, instrument cable, and instrument connection. Confirm that all tubes are correctly installed before powering on the amplifier.

Power Switch (1)

The POWER switch, when placed in the UP position, provides AC wall power to the amplifier.

Standby Switch (2)

The STANDBY switch, when placed in the DOWN position, puts the amplifier in 'standby mode' allowing the tubes to warm up. When this switch is placed in the UP position, the tube circuitry is fully functional and ready to amplify your guitar signal.

VENUE MODE™ Attenuator (3)

Venue Mode™ is a patented 3RD POWER technology designed to preserve the tonal identity, feel, and dynamic response of your amplifier across a wide range of real-world performance environments.

Unlike conventional attenuators or basic power reduction systems, Venue Mode™ does far more than simply lower output volume. It strategically reconfigures amplifier behavior to help maintain musicality, responsiveness, and tonal consistency at reduced operating levels.

12W Output: Designed for home use and lower-volume performance situations while preserving the amplifier's essential voice, feel, and responsiveness.

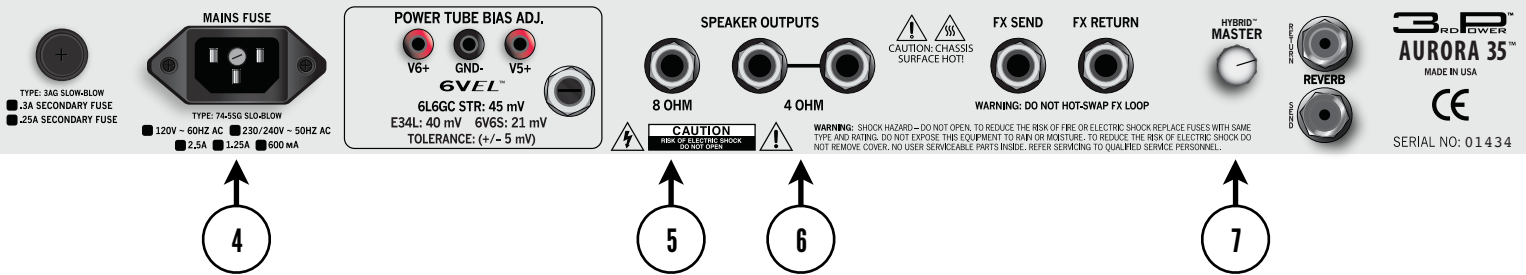
15W Output: Provides an ideal balance of power, feel, and tonal integrity for studio use, rehearsals, medium-sized venues, and a wide variety of live applications.

35W Output: Delivers the amplifier's complete stock performance, maximum headroom, and full dynamic authority.

IMPORTANT:

Venue Mode™ is engineered to work in conjunction with Hybrid-MASTER™ (see 7).

Back Panel: Preparing Initial Operation



AC Input (4)

The AC INPUT socket (TYPE IEC Grounded) is a required connection for operating the unit at 120V (standard USA household electrical power).

8-OHM Speaker Output (5)

If you have the 112 combo version, confirm that the internal speaker is connected to the 8-OHM jack and that the terminals on the speaker are securely connected.

4-OHM Speaker Outputs (6)

The 4-OHM SPEAKER OUTPUTS are wired in parallel. They are provided for connecting your amplifier to a single 4-OHM speaker, or two 8-OHM speaker cabinets, or more traditionally, a remote speaker cabinet that is connected simultaneously with the internal speaker.

Hybrid-MASTER™ Control (7)

The patented Hybrid-MASTER™ control allows you to set the amplifier's overall output volume independently from the front panel's Volume and tone controls.

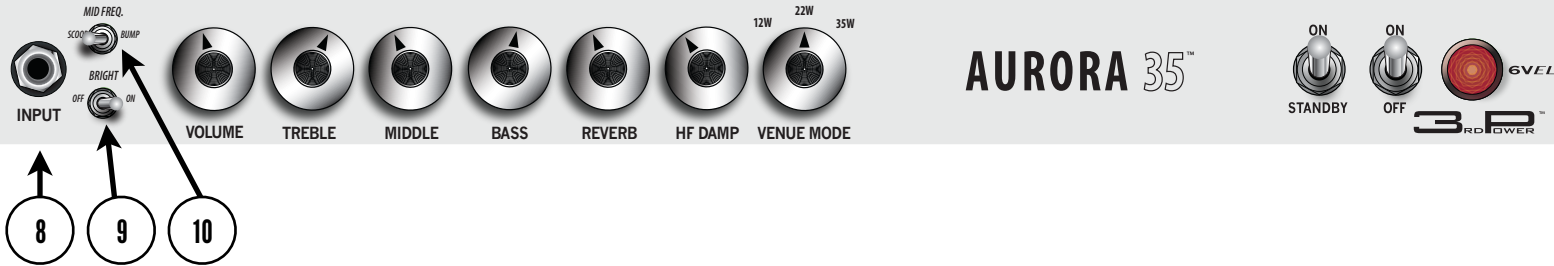
This enables you to preserve your preferred gain structure, tonal character, and dynamic response while precisely adjusting overall listening or performance volume.

For maximum flexibility, Hybrid-MASTER™ can be used in conjunction with Venue Mode to further tailor the amplifier's output to your specific performance environment.

SAFETY NOTES:

- Always plug your amp into a properly grounded 3 prong AC outlet.
- Never plug your amp into an ungrounded outlet.
- Never remove or break off the 3rd prong safety ground pin from the power cord.
- Never use a damaged or ungrounded power cord.
- Always use the proper value and type fuse according to the rear-panel markings.
- Never attempt to replace the fuse while the amplifier is still plugged into the power source. The fuse should only be replaced when the power cord has been disconnected from its power source.

Front Panel: Input Section Tone Shaping Switches



Input Jack (8)

The INPUT jack is used for connecting instrument-level signals to the amplifier.

Bright Switch (9)

The BRIGHT switch allows for additional control of your high frequency content. In the down position, the high frequencies are more evenly dispersed and balanced. In the up position, the BRIGHT switch enhances high-frequency response for a harmonically rich ‘chime’.

Mid Freq. (10)

The MID FREQ switch allows for additional control of your midrange frequency content. In the left position, the middle frequencies are scooped with more bloom and depth to the low frequency response. In the right position, the low frequencies are more subdued and focused while the middle frequency content is enhanced with additional bloom, sustain and compression.

Front Panel: Input Section 3 Band EQ Controls



Volume Control (11)

The VOLUME control allows you to adjust the signal level as well as the temperament and overall character of your instrument's sound.

Treble Control (12)

The TREBLE control adjusts the amplifier's upper-frequency response, shaping overall brightness, clarity, and top-end character.

The AURORA 35's treble circuit is carefully voiced to provide a highly musical range of usable high-frequency control.

At lower to mid settings, the response delivers balanced clarity, warmth, and openness. As the control is increased, additional chime, articulation, and harmonic detail are introduced.

This design allows the TREBLE control to cover a broad tonal range while maintaining smooth, musical performance throughout its sweep.

Middle Control (13)

The MIDDLE control allows you to adjust the emphasis and character of the midrange frequencies, shaping the body, punch, and overall voice of your sound.

Bass Control (14)

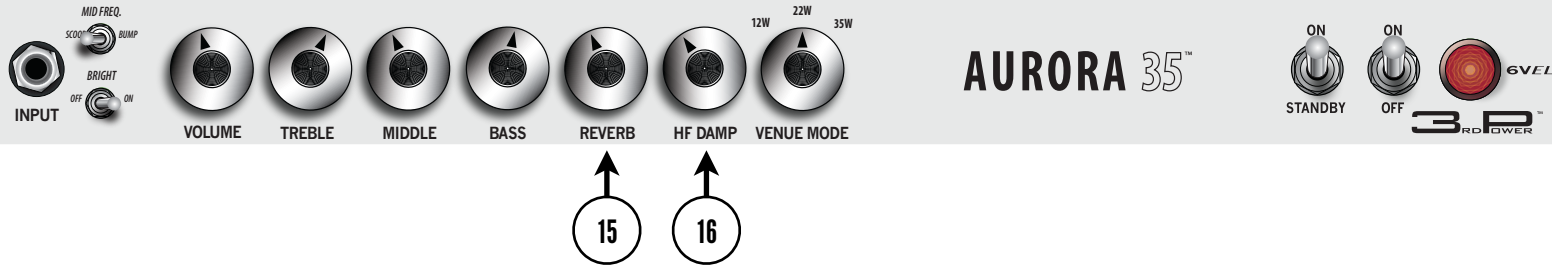
The BASS control allows you to adjust the depth, weight, and overall character of the lower frequencies in your sound.

NOTE:

The AURORA 35's 3-Band EQ was carefully voiced to deliver a highly musical and balanced tonal foundation with all controls set at noon.

This optimized baseline provides an ideal starting point, allowing players to easily fine-tune Bass, Middle, and Treble response to match their individual playing style, guitar characteristics, speakers, and performance environment.

Front Panel: Global Reverb and High Frequency Response



Reverb Control (15)

Adjusts the overall amount of tube-driven spring reverb blended into your signal.

The reverb circuit utilizes pure Class A tube-driven send and recovery architecture, delivering authentic vintage-inspired spring reverb with exceptional depth, warmth, and dimensionality.

This design preserves note clarity and tonal integrity while providing rich ambient enhancement across a wide range of settings.

HF Damp Control (16)

The global HF Damp control adjusts the amplifier's overall high-frequency response—functioning like a presence control in reverse.

Unlike traditional tone controls, HF Damp operates within the power amp stage, reducing excessive upper frequencies while preserving the tone, temperament, and character of the preamp section.

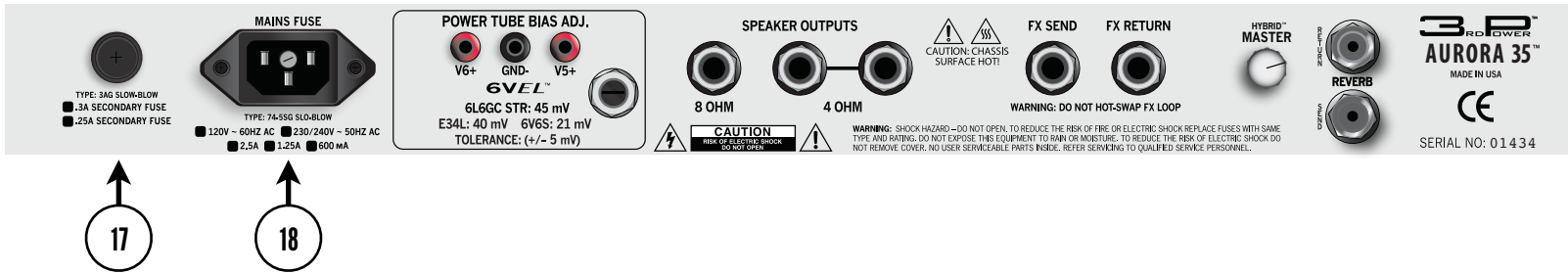
This makes HF Damp especially valuable when performing in bright rooms, managing harsh speaker interactions, or optimizing your sound for in-ear monitoring systems—allowing you to maintain warmth, clarity, and musical balance without compromising the amplifier's core voice.

HF Damp Usage Recommendation:

For the most open, crisp, and responsive tonal baseline, begin with the HF Damp control set to zero.

From there, increase HF Damp as needed to smooth excessive upper frequencies, particularly when shaping edge-of-breakup or overdriven tones where additional top-end control can enhance warmth, balance, and musical refinement.

Back Panel: Fuses



Mains Fuse (17)

The MAINS FUSE requires a 2.5 AMP slow-blow fuse. This fuse protects your amplifier from voltage peaks from your power outlet.

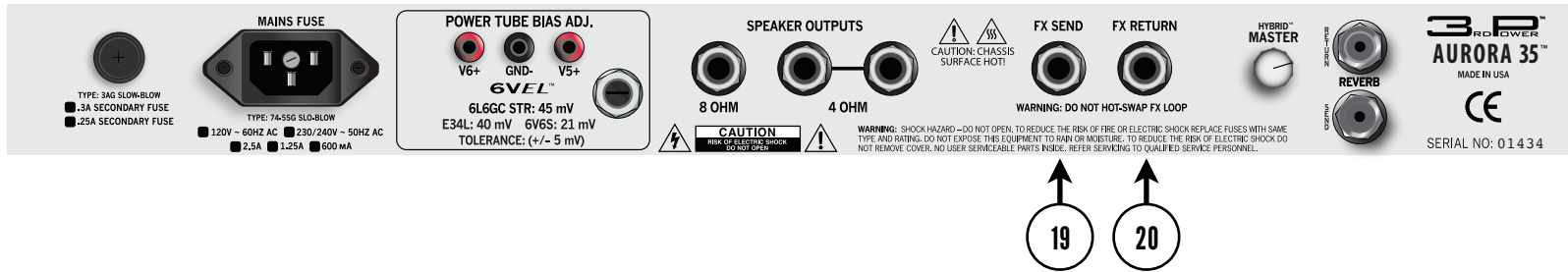
H.T. Fuse (18)

The H.T. FUSE requires a .25 AMP (250 milliamp) slow-blow fuse. The H.T. FUSE usually blows if your power tubes are bad to protect the circuit from being damaged.

SAFETY NOTES:

- Always plug your amp into a properly grounded 3 prong AC outlet.
- Never plug your amp into an ungrounded outlet.
- Never remove or break off the 3rd prong safety ground pin from the power cord.
- Never use a damaged or ungrounded power cord.
- Always use the proper value and type fuse according to the rear-panel markings.
- Never attempt to replace the fuse while the amplifier is still plugged into the power source. The fuse should only be replaced when the power cord has been disconnected from its power source.

Back Panel: Tube Buffered Effects Loop Patching



Tube Effects Loop

The tube-buffered FX loop allows pedals and external effects devices to operate with enhanced clarity, headroom, and tonal integrity.

FX Send Jack (19)

This 1/4" mono Tip/Sleeve jack feeds signal to your effects device.

FX Return Jack (20)

This 1/4" mono Tip/Sleeve jack accepts the return signal from your effects device.

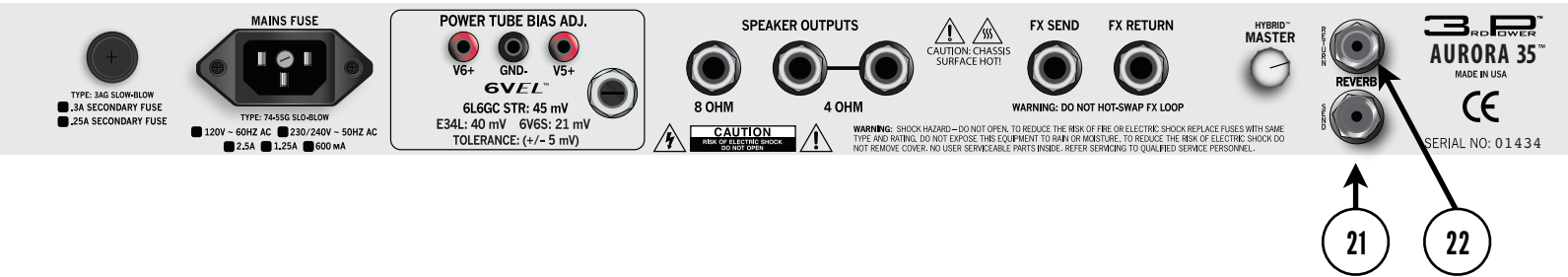
OPERATION NOTES:

- Signal levels at the FX SEND jack are a nominal -10dBV (just under 1V p-p) matching the levels most vintage and modern effect pedals want to see.
- The FX RETURN path brings your signal back into the amplifier with a tremendous amount of headroom (accepting signals as low as -10dBV and as high as +4dBu before the onset of compression).
- In the event of pedalboard failure, plugging directly into the FX RETURN jack can provide an emergency backup signal path through the amplifier's clean power section.

CAUTION:

Avoid "hot swap" any cables connected to the loop while the amplifier is operational. Before breaking any connections, make sure that your amp is on Standby. Failure to do so may result in a loud pop, hum or buzz that could potentially damage your speaker.

Back Panel: Reverb Tank Patch Points



To Tank Reverb Connection (21)

This RCA jack connection is provided to send the amplifier signal to the reverb tank.

From Tank Reverb Connection (22)

This RCA jack connection is provided to receive the return signal from the reverb tank.

OPERATION NOTES:

- Please make sure that the reverb send and return are connected with proper orientation and that you are using shielded RCA wire connections.

Operational Notes:

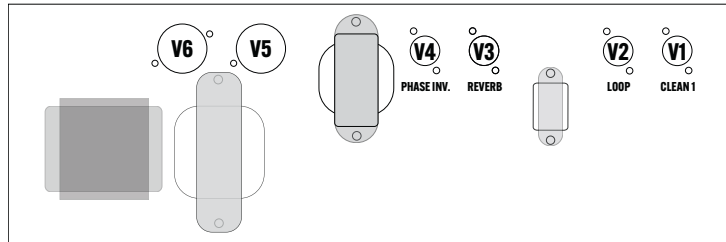
Tube Layout and Requirements:

V1: JJ 12AX7

V2: JJ Mullard Reissue 12AX7

V3 and V4: Sovtek 12AX7LPS

V5 and V6: JJ 6L6 Output tubes



Swapping Tubes and Bias Adjustment

Your AURORA 35 is factory-biased for safe and optimal operation with the installed tube set. Limited bias adjustment is available via the rear-panel bias terminals, allowing flexibility for compatible tube substitutions while maintaining important safety margins.

Always follow the recommended procedures and bias specifications carefully. Observe all warnings and cautions, as both your personal safety and the safe operation of your amplifier depend on proper handling.

The user bias circuit has been intentionally designed with a limited adjustment range to provide practical flexibility while preventing unsafe operating conditions.

Under no circumstances should you open the amplifier chassis or attempt internal circuit modifications to expand the bias adjustment range. Doing so may expose you to dangerous high-voltage electricity capable of causing serious injury or death.

DO NOT ATTEMPT INTERNAL MODIFICATIONS YOURSELF.

Tube Replacement

The safest method for changing tubes is to have your amplifier serviced by a qualified technician.

If you choose to replace tubes yourself:

- Power the amplifier off completely
- Disconnect the power cord from the AC outlet
- Allow sufficient time for all tubes to fully cool before handling

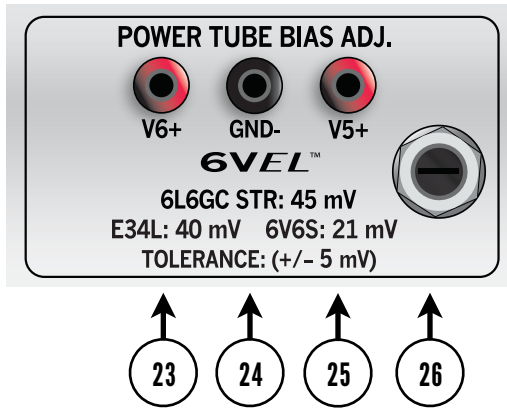
WARNING:

- Never touch tubes while the amplifier is powered on or shortly after operation
- Tube temperatures can cause severe burns
- Tubes are made of glass and may break if mishandled

ELECTRICAL WARNING:

Do not touch tube pins during removal or installation. Even after the amplifier has been powered off and unplugged, internal capacitors may retain potentially lethal high-voltage charge. Failure to observe proper precautions may result in severe injury or death.

Back Panel: Power Tube Biasing



CAUTION:

Never touch hot tubes. Operating temperatures can exceed 500°F (260°C) and may cause severe burns or injury. Allow sufficient cooling time before handling or servicing the amplifier.

CAUTION:

Read all information and procedures in this section thoroughly before attempting to modify the factory bias settings of your amplifier.

V6+ Voltage Reading Terminal (23)

This terminal is internally connected to a 1-ohm resistor on the cathode of V6 (the left-side power tube). When measuring current at this point, your multimeter will display the reading in millivolts (mV). For accurate measurement, connect your positive (+) test lead (typically red) to this terminal.

GND- Terminal (24)

This terminal is internally connected to chassis ground. When monitoring the current of either output tube, connect your negative (-) test lead (typically black) to this terminal.

V5+ Voltage Reading Terminal (25)

This terminal is internally connected to a 1-ohm resistor on the cathode of V5 (the right-side power tube). When measuring current at this point, your multimeter will display the reading in millivolts (mV). For accurate measurement, connect your positive (+) test lead (typically red) to this terminal.

Power Tube Bias Adjustment Control (26)

Controls the amount of negative DC bias voltage applied to both output tube input grids. Using a small flathead screwdriver, insert into the control port and adjust as follows:

- Counterclockwise: Lowers the idle current setting (cooler operation)
- Clockwise: Increases the idle current setting (hotter operation)

Always make bias adjustments carefully and according to proper operating procedures.

Power Tube Biasing:

CAUTION:

Biasing your amplifier is generally straightforward when proper procedures are followed. Carefully observe all warnings, cautions, and instructions before proceeding.

If you are uncertain about any part of the process, do not attempt to adjust the factory bias settings, as improper adjustment may result in equipment damage or personal injury.

If you hear a loud pop, observe tube flash, or notice abnormal behavior during biasing, immediately power down the amplifier and consult a qualified service technician.

BIAS ADJUSTMENT PROCEDURE:

To properly monitor and adjust your output tube bias, the amplifier must be powered on and operating at idle current. This means:

- No audio signal should be present at the INPUT jack
- No signal should be present at the FX RETURN
- A properly matched speaker cabinet must be connected at all times

Measuring Bias:

- Connect the negative (black) test lead from your multimeter to the GND- terminal on the rear panel.
- Connect the positive (red) test lead to either the V5+ or V6+ terminal, one tube at a time.
- Record each reading in millivolts (mV).
- The readings between V5 and V6 should be within approximately 6mV of each other.
- Always base your maximum bias setting on the higher reading of the two tubes.

Adjusting Bias:

- Using a small flathead screwdriver, insert into the bias control port:
- Clockwise: Increases idle current (hotter bias)
- Counterclockwise: Decreases idle current (cooler bias)

Performance Considerations:

- Cooler Bias Settings: May increase tube life, but overly cool settings can result in brash, thin, or less dynamic tone
- Hotter Bias Settings: Can improve warmth, feel, and harmonic richness, but may reduce tube lifespan if set excessively high

Recommended Operating Range:

- Optimal tone and feel are generally achieved when bias is set within approximately 50%–70% of your output tube's maximum operating range.
- This range may vary depending on the specific type and brand of power tubes installed. Always bias conservatively and within safe operating limits.

LIMITED LIFETIME WARRANTY

Thank you for choosing 3RD POWER Amplification. We take great pride in designing and building high-quality tube amplifiers and speaker cabinets, and every product is thoroughly tested prior to shipment.

Amplifier Coverage

Your amplifier is warranted to the original purchaser to be free from defects in materials and workmanship for as long as you own it. Proof of original purchase, including a dated sales receipt, is required to establish warranty coverage.

This warranty does not cover service, repair, or replacement resulting from:

- Accident
- Neglect
- Abuse
- Misuse
- Over-powering
- Normal wear
- Natural disasters
- Unauthorized modifications or repairs
- Improper packing or shipping procedures

If a defect in materials or workmanship is confirmed, your sole remedy under this warranty is repair or replacement at the discretion of 3RD POWER.

Tube Warranty

3RD POWER warrants the original purchaser that factory-installed tubes will be free from defects in materials and workmanship for a period of 30 days from the original purchase date.

A dated sales receipt is required for warranty validation.

If tubes fail within this 30-day period, your sole remedy is replacement of the defective tubes.

Return Procedures

In the unlikely event that warranty service is required:

1. Obtain a Return Authorization (RA) Number from 3RD POWER prior to shipping
2. Ship the product freight prepaid and insured
3. Include proof of purchase
4. Use original packaging or equivalent protective packaging
5. Clearly mark the RA number in large print below the shipping address
6. Include:
 - Brief description of the defect
 - Correct return address
 - Telephone number

Important:

The purchaser assumes all risk of loss or damage during transit to 3RD POWER.

LIMITED LIFETIME WARRANTY: Continued

Warranty Service

If 3RD POWER determines that the product is defective under warranty terms, we may:

- Repair the product
- Replace the product

at no additional charge, except for non-covered costs.

All replaced parts become property of 3RD POWER.

Products repaired or replaced under warranty will be returned via standard ground shipping within the United States at no charge.

3RD POWER is not responsible for expedited shipping charges to or from our facility.

Limitation of Liability

3RD POWER shall not be liable for incidental or consequential damages arising from the use or inability to use any 3RD POWER product, even if advised of the possibility of such damages.

Some states do not allow limitations on incidental or consequential damages, so certain exclusions may not apply.

This warranty provides specific legal rights, and you may also have additional rights that vary by state.

Product Registration

For your protection, please complete and return the Purchase Information Card within ten (10) days of purchase. This allows us to contact you directly in the event of a product safety notification in accordance with the Consumer Product Safety Act of 1972.

Customer Support

Our dedicated support team is available to assist with product-related questions.

3RD POWER Customer Support
(615) 945-3393
Monday–Friday
9:00 AM – 5:00 PM Central Time



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