

Model DB 750 Tube Bass Head

Congratulations on purchasing Aguilar Amplification's DB 750 Tube Bass Head! The DB 750 is a groundbreaking hybrid amplifier with a discrete Mosfet output section and an all tube preamp. A perfect combination of raw power and excellent tone, the DB 750 sets the precedent for all hybrid heads. Delivering 750 Watts at 4 ohms and 975 Watts at 2 ohms this amp literally rattles you to the core. To get all this power to the speakers the DB 750 has Neutrik speak-on outputs for maximum efficiency.

In addition to outstanding performance with any active or passive four string bass, the DB 750 will musically and accurately reproduce the extended range of modern five and six string basses.

All Aguilar products are hand made in N.Y.C.

www.aguilaramp.com

Specifications:

Noise:	>-80 db (unweighted)
Fuses:	On/Off Switch, re-settable breaker
Preamp section:	All tube; three 12AX7's and one 12AU7
Power section:	12 complimentary lateral MOSFETs.
Outputs:	Two Neutrik speak-on speaker outs, one Jensen balanced XLR out-30db pre and post EQ.
Inputs:	One ¼" input selectable via front panel switch for passive 1 meg ohm, or active 68K ohm, one ¼" power amp input..
EFX Send:	Variable send level.
EFX Return:	One return with -20 db to 0 db compatibility.
Weight:	46 lbs.
Chassis:	Aluminum construction provides sturdiness without excessive Weight.

Components and workmanship: Only the highest quality components and workmanship are used in Aguilar products.

Warranty: **Ten Year Limited Warranty!**

Features:

Active/Passive inputs:

Start by using the passive input. If your bass's output distorts the input section, switch to the active position. In the active input, a 10 db pad in the signal path will remedy the situation.

Volume pot:

This pot controls the gain of the preamp section. Clean sounds are usually achieved by setting the input gain around 11 or 12 o'clock. A little bit of musical distortion will occur if set past one or two o'clock.

Equalization:

Treble:

Tube driven shelving type, boosts up to 12 db. The center frequency is set at 4 kHz.

Bass:

Tube driven shelving type, boosts up to 12 db. The center frequency is set at 40 Hz.

Midrange:

Tube driven shelving centered at 400 Hz.

Deep Switch:

The deep switch adds 3db of broadband boost at 30 Hz.

Bright Switch:

This switch is passive RC pre-emphasis circuit at 5-7 kHz. The bright switch will add a brighter timbre to the entire range of your bass.

Effects Loop:

The Send pot is push/pull for line or instrument level. This allows you to use a studio effects unit (line level) or a stomp box (requires instrument level) in the FX loop. Adjust the amount of send so as to get maximum performance from your effects unit.

The parallel/series pot is push/pull for parallel or series operation. In the parallel mode affected signals are mixed to the dry sound. In series mode the entire sound of your bass is processed by the effects in the loop. The amount of effects can be adjusted with the return pot. If you pull the return pot out for series operation without any effects plugged in the loop, the loop will be open and no sound will result.

Master Output Control:

This pot controls the output level to your power amp.

XLR Balanced Output:

Use the -30dB pre-eq setting in a concert situation where the house mixer is taking a signal into the house-mixing console. The house mixer is now getting his feed after the preamp stage, but can use appropriate eq for the venue. The eq on stage will still be controlled by your settings. If the house mixer wants your eq settings included in the mix, set the control to -30 post eq. The -30 level is correct output level for going into a preamp on a mixer. Our balanced output uses the highest quality Jensen output transformer. If you hear any ground noise, change the position of the ground lift switch under the output

OUTPUT INTERFACES:**Rear Panel:****Speakon Connectors:**

Two speakon connectors are provided. Use 12 gauge or larger speaker cable for proper connections.

FX Send:

Connect the input of your effects unit to this output.

FX Return:

Connect the output of your effects unit to this input.

Footswitch:

Use the Aguilar footswitch to mute the signal for silent tuning.

Preamp out:

Full range preamp output allows you to run into another poweramp in conjunction with your DB750.

Poweramp in:

The DB750 can be used as a stand alone poweramp or for slaving two DB750s together.

Tuner out:

A ¼ inch jack that sends a signal to your tuner.

Aguilar DB750 Hybrid Head **Diagnostic and Protection**

The DB750 is equipped with a self-diagnostic and status/protection circuit. Upon power-up the unit's blue status LED will blink for approximately 45 seconds. During this time several circuit parameters are verified, or allowed to become self calibrated.

1. The high B+ voltage to the preamp tubes is slowly ramped up, allowing the tube heaters to warm up before full current is drawn by the valves.
2. DC offset at the amp's output is monitored. Only if none is present (normal condition), will the unit proceed with the self-check protocol.
3. Temperature on the MOSFET heat sink is checked, and again only if normal temperature is detected, will the status check to continue.
4. If all the voltages, offsets, and temperature are in accordance with factory specifications, then the amp's input, and output relays will be energized. This will then cause the operate LED to illuminate and status LED to stop blinking, and the amp is now ready for normal operation.
5. Continues monitoring of the above parameters, protect both the DB 750 and speakers connected to the amp, in the event of unit, or user error. This will be indicated by the status LED's blinking.
6. If the status LED continues blinking, or starts blinking during amplifier use, this indicates a system fault. The amplifier requires servicing in order for normal operation to resume.

Limited Warranty

Aguilar Amplification's DB 750 tube bass amp is warranted to the original owner for a period of ten years from the date of purchase against defects in materials and workmanship. Tubes are covered by the warranty for a period of six months.

The warranty period starts from the date of purchase from an authorized Aguilar dealer. Your sales slip or purchase invoice is necessary for warranty service.

Before sending your unit to Aguilar for repair, you must receive a return authorization number from us. Contact us via phone, fax, or email (techsupport@aguilaramp.com) with a description of the problem. We will then issue to you a return authorization number.

You are responsible for all shipping charges. You must ship the unit to us freight prepaid. We will return the unit to you freight collect. If the unit is being sent from outside the United States you will also be responsible for customs brokerage, if applicable. Please check with your freight forwarder for assistance.

Aguilar Amplification LLC is not responsible for shipping damage, either to or from our service center. Claims must be filed with the carrier.

The only company authorized to perform work under this warranty is Aguilar Amplification LLC of New York, NY.