



*Balance of
Power & Sound™*



2006

Hello Enthusiasts,

First I'd like to thank everyone who has shown their interests in our family of products. We say that because every one of our amps has been hand built in one way or another. They all have their own identity. Not to be confused with build quality, performance or Mass Production.

TVG, Inc. was founded in 2000 and TRU Technology went into production in 2002. All of our products are built here locally in California. All amplifiers go through 100% QC.

Because of our obsession for quality, all of our products are 100% USA MADE! Heatsinks are extruded & machined locally. Raw PC Boards are from Colorado & populated in-house. Even our packaging (including the foam insert) are locally produced and delivered to our door steps.

100% of our TO-3 output devices are 100% hand matched with individual serial numbers. No one has ever attempted this type of procedure in these quantities in our industry, period. Each PC Boards are electrically tested and visually inspected before it goes into production. Once the PC Boards are built, each board (3 individual PC Boards makes up one amplifier) is tested before they are put together. After that, the product gets assembled and goes through yet another final test.

Our test consists of full test of power, S/N Ratio, Cross-Talk, Freq response, Current draw & Thermal. Others might give you a pre-printed "Birth Sheet" paper. However, we'd give you a full "Medical History" of our product. Meaning, give us the serial#, we can give you that particular product's full specification before it shipped out.

We've been going against our industry's grain and that's exactly what we wanted and what we wish to offer to our audience. Quite honestly, our biggest competitor is our own!

We are very proud of all of our products because we feel that each and every one of our product is built with all the pride and joy that a product with this degree should deserve. At the end of the day, we would like to be known for building Quality products for a good value.

All of these points can only be achieved by Our Engineer John Fairchild & Mr. Liptock. Where John's been involved in Audio since 1952. Everything from designing a 50 foot FM antenna, to working on USAF T-38 Jets, building studio boards, to developing one of the 1st 1000w solid state Pro Amp back in 1972. In addition, working with various tubes designs from Delco and Blaupunkt Tube radios back in the '50's to our current Tube design amplifiers.

Mr. Liptock has been involved solely in the Pro Audio industry designing multiple amplifiers and processors. Our engineer makes up over 65 years of Audio experience

Our goal is to design and build products that are TRU to the "Form follows Function" Motto. It's all about the MUSIC.

John Yi
President
TVG, Inc.



Balance of
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BILLET SERIES

B-2110

B-475

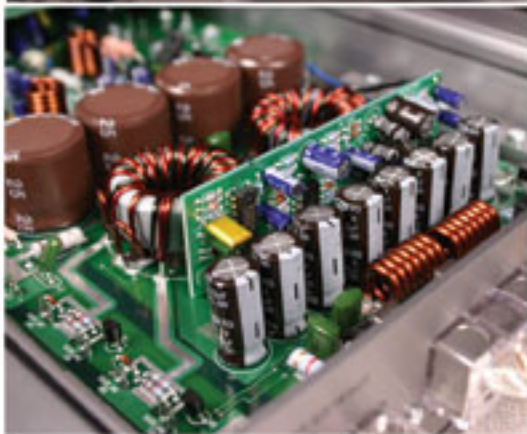
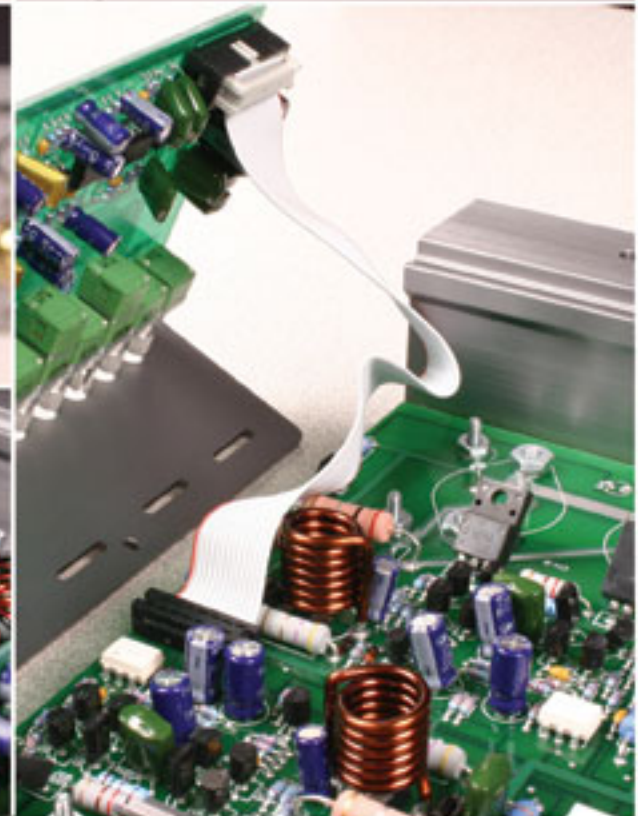
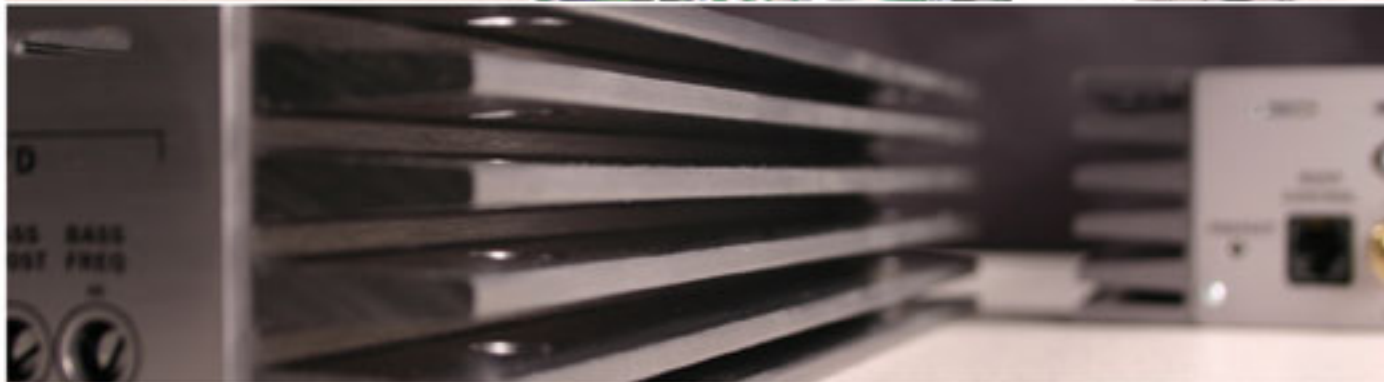
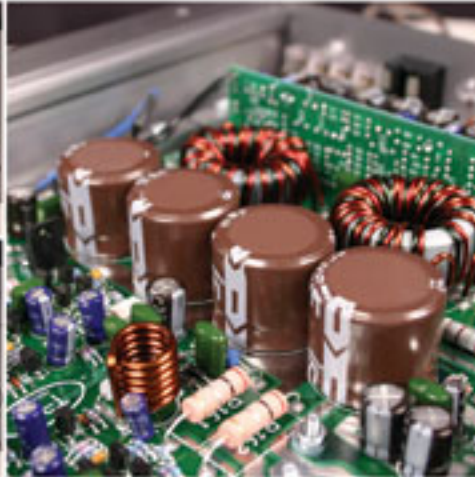


NEW BOLD COLOR



Balance of
Power & Sound™

BILLET SERIES





Balance of Power & Sound™

BILLET SERIES

B-475



B-2110



B-1800



B-4110



EXCESSIVE POWER, SOUND & DYNAMIC HEADROOM

- Extreme Broad range Class AB Amplifiers
- Absolute 100% QC conducted on all Amplifiers
- 100% USA Made is the byproduct of our QC in which no other company can claim
- Pre-Amp bypass "on the fly" feature offers direct input signal into the Output stage of the amplifier creating purest of the pure form of audio reproduction
- (8) **ON**® Beta Curved Hand matched TO-3 Metal Case Output Devices for optimal performance & reliability
- (8) **IGR**® 98 Amp rated Switching Devices for Efficiency
- Largest Power/Reserve Supply in its Class
- 1,000+ Watts of Output Devices (B-2110 & B-475)
- 2,000+ Watts of Output Devices (B-1800 & B-4110)
- 3-Piece separate "Plated Hole" PC Board
 - Main PC Board (4-Layer 2oz.)
 - Pre-Amp PC Board (Removable 2-Layer 1oz.)
 - PWM PC Board (2-Layer 1oz.)
- Removeable "Plug-N-Play" Pre-Amp PC Board for future Upgrade offers custom tailored Sound Quality
- **3M**® and **molex**® are used to connect all 3 PC Boards together to further retain uncompromised Audio Signal & Power Flow
- Power section uses discrete circuitry throughout audio path
- Constant Rated RMS Power Output until Thermal Shutdown
- High Current Unregulated Bi-Polar Power Supply
- CNC Machined Heatsink
- Dual differential pairs of complimentary Input Transistors
- 1% Non-Inductive Metal film Resistors
- (4) **IC**® 63Volt 2,700µf Capacitor Bank
- Dual sets of High-Speed Rectifier Diodes
- Dual Hand Wound Power Transformers
- Symmetrically mounted heat generating parts
- 12dB Hi/Low pass X-over (50Hz ~ 500Hz)
- 1 Band Quasi-Parametric Bass EQ with variable Bass Boost
- Remote Bass Control (optional)
- 4 Gauge Power/Ground Input
- 8 Gauge Speaker Wire Output

| | |
|---------------------------------------|--|
| Research & Development | 100% U.S.A. |
| Heatsink: Extrusion, CNC Machine work | 100% U.S.A. |
| PC Board: Raw | 100% U.S.A. |
| PC Board: Assembly & Final Assembly | 100% U.S.A. |
| Final Quality Control | 100% U.S.A. |
| Packaging | 100% U.S.A. |
| PC Board Parts | U.S.A., Europe, Mexico, Japan, Korea, & Taiwan |





Input Filters / PWM PCB



100% MADE in USA



Illinois Cap / Dual Power Transformer



Ribbon Connector & Cable

B-475
Upgradable
Pre-Amp PCB



250watt Output Devices

MODEL: BILLET
CHANNELS
FREQ RESPONSE
RATED POWER
4 Ω RMS
2 Ω RMS
4 Ω MONO
1 Ω MONO
T.H.D. + NOISE
S/N RATIO
INPUT SENSITIVITY
FUSE REQUIREMENT
POWER SUPPLY
HIGH PASS
LOW PASS
PRE-AMP BYPASS
BASS EQ & BOOST
SUB-SONIC
REMOTE BASS KNOB
DIMENSION (L x W x H)
WEIGHT

B-2110
2 CH
10Hz ~ 50KHz ± 0.5dB
12.5VDC / 14.4VDC
110W x 2 / 150W x 2
165W x 2 / 225W x 2
330W x 1 / 450W x 1
-
< 0.1%
> 100dB
350mV ~ 9.5V
70 Amp
9.5VDC ~ 15VDC
50Hz ~ 500Hz @ 12dB / oct
50Hz ~ 500Hz @ 12dB / oct
Yes
Yes
-
Yes (Optional)
12 5/8" x 10 1/4" x 2 1/4"
10 lbs.

B-475
4 CH
10Hz ~ 50KHz ± 0.5dB
12.5VDC / 14.4VDC
75W x 4 / 100W x 4
110W x 4 / 150W x 4
200W x 2 / 250W x 2
-
< 0.1%
> 100dB
350mV ~ 9.5V
80 Amp
9.5VDC ~ 15VDC
50Hz ~ 500Hz @ 12dB / oct
50Hz ~ 500Hz @ 12dB / oct
Yes
Yes (Ch C/D Only)
-
Yes (Optional)
12 5/8" x 10 1/4" x 2 1/4"
10.25 lbs.

B-4110
4 CH
10Hz ~ 50KHz ± 0.5dB
12.5VDC / 14.4VDC
110W x 4 / 150W x 4
165W x 4 / 225W x 4
330W x 2 / 450W x 2
-
< 0.1%
> 100dB
350mV ~ 9.5V
120 Amp
9.5VDC ~ 15VDC
50Hz ~ 500Hz @ 12dB / oct
50Hz ~ 500Hz @ 12dB / oct
Yes
Yes (Ch C/D Only)
-
Yes (Optional)
17 5/8" x 10 1/4" x 2 1/4"
15 lbs.

B-1800
PARALLEL MONO
10Hz ~ 50KHz ± 0.5dB
12.5VDC / 14.4VDC
-
-
800W x 1 / 1000W x 1
800W x 1 / 1000W x 1
< 0.1%
> 100dB
350mV ~ 9.5V
120 Amp
9.5VDC ~ 15VDC
50Hz ~ 500Hz @ 24dB / oct
50Hz ~ 500Hz @ 24dB / oct
Yes
Yes
Yes (Variable)
Yes (Optional)
17 5/8" x 10 1/4" x 2 1/4"
15.25 lbs.

