

## **PB17-Ultra QUICK SPECS:**

- **Driver:** 17”
- **Amplifier:** SVS STA-2800 Class D
- **Frequency Response:**
  - 14Hz to 220Hz +/-3dB (standard mode – all ports open)
  - 12Hz to 220Hz +/-3dB (extended mode – 2 ports open)
  - 14Hz to 320Hz +/-3dB (sealed mode – all ports sealed)
- **Dimensions:**
  - Dimensions: 25.0” (635mm) H x 21.7” (550mm) W x 29.3” (744mm) D

## **Frequency Response / Acoustic Data:**

- 14Hz to 220Hz +/-3dB (standard mode – all ports open)
- 12Hz to 220Hz +/-3dB (extended mode – 2 ports open)
- 14Hz to 320Hz +/-3dB (sealed mode – all ports sealed)
- Expect 2-3Hz deeper extension in small to mid-size rooms.
- Roll-off slope specifically optimized to take maximum advantage of available room gain.
- 2-meter ground plane away from reflective structures (quasi-anechoic).

## **Subwoofer Specs:**

- Piano Gloss Black and Black Oak Real Wood Veneer options
- Front Firing 17-inch high-excursion driver
- Triple High-flow 4-inch ports
- Amplifier Rear Panel OLED and control interface provide fast and direct control of the most important features and includes a convenient “Display Flip” function.
- Protective non-resonant extra-thick ABS grille frame with fabric mesh cover shields driver to prevent damage while ensuring longevity.
- Robust Medium Density Fiberboard (MDF) cabinet construction with internal bracing for resonance free performance at highest drive levels.
- Screw-in Iso-elastomer feet reduce noise artifacts and improve stability
- Dimensions (with grille): 25.0” (635mm) H x 21.7” (550mm) W x 29.3” (744mm) D
- Dimensions (without grille): 25.0” (635mm) H x 21.7” (550mm) W x 28.5” (723mm) D
- Shipped Dimensions: 30.2” (767mm) H X 27.5” (698mm) W X 38.4” (976mm) D
- Weight (unboxed): 164.7lbs (74.7kg)
- Shipped Weight: 186.1lbs (84.4kg)

## **Driver Specs:**

- All-new proprietary 17-inch long-throw driver with high-precision tuned overhung motor configuration.
- 63.76lb (28.92kg) pound Woofer with 55lb (25kg) motor
- 48.9mm Xmax, 81.78mm Xmech precision aligned excursion
- 8” diameter Voice Coil with high current 4-layer bifilar copper-clad aluminum wire windings

- Dual Voice coil design captures power delivery from dual-mono amplifier outputs into a single voice coil for maximum acoustic output.
- High Temperature glass-fiber composite former/bobbing
- Four-piece high-grade oversized Y35 Ferrite magnet motor produces effortless on-demand driving-force for subtle and over-the-top bass thrills.
- Dual shorting rings reduce gap inductance and lower distortion
- Dual 25-strand copper-alloy and Nomex composite high-temperature leads woven through the spider provide a pristine electrical connection from the amplifiers to the voice coils.
- Precision machined and narrow tolerance Top-plate and oversized T-yoke with integrated pole-piece extension made from low carbon 1010 steel for optimal magnetics and thermal capacity
- Dual Nomex extreme excursion linear suspension spiders.
- Proprietary injection-molded extreme-excursion catenary SBR rubber surround ensures flawless pistonic motion for pinpoint control and accuracy without distortion at the highest drive levels.
- Premium glass-fiber laminated dustcap and vented composite cone sub-structure with exceptional stiffness-to-mass ratio ensures a light, ridged, and neutral radiating surface about to move massive amounts of air with crisp precision.
- High-density 17" Powder-coated cast aluminum basket FEA optimized for maximum rigidity, tensile strength, and energy transference.
- Nickel-plated high-tension spring terminals provide secure connections.

#### **Amplifier Specs:**

- Massively powerful STA-2800 Class D amplifier design
- High resolution 295Mhz Analog Devices Audio DSP with double precision 56bit filtering, with over 5x the processing power of our previous subwoofers, the most advanced subwoofer processor available for perfect audio reproduction.
- DSP monitors every function of the amplifier ensuring precisely regulated clean voltage is delivered to and from the switch mode power supply and maximum current is pushed to the driver's voice coils.
- DSP Continuously runs complex power management algorithms and multi-point thermal, voltage, and current monitoring systems to optimize AC voltage delivery to the power supply for continuous peak performance with maximum performance and greatest efficiency.
- Advanced digital audio processing and DACs (Digital-to-Analog Converters) with 120 dB Signal-to-Noise Ratio provide greater headroom, lower noise, and flawless fidelity.
- Dual-mono discrete Class D amplifiers create effortless and endless power from eight massive 60A 200V MOSFETs, resulting in lower EMI and highest efficiency while providing effortless power each voice coil, producing SPLs and low frequency output with pristine clarity well beyond reference listening levels.
- All new Switch Mode Power Supply (SMPS) includes a two-stage 100v-240v full range active Power Factor Correction (PFC) which pre-regulates mains to solid 390V DC regardless of mains voltage or quality, ensuring a consistent 160V rail voltage for the dual-mono amplifiers.
- Power-Factor-Correction (PFC) time aligns the AC voltage to the AC current resulting in less

heat, greater efficiency, peak power output, and the ability to maintain rated power over a wide-range of AC voltages.

- Onboard AC line conditioner filters and stabilizes incoming voltage, corrects waveform distortions, and eliminates electromagnetic and radio interferences to optimize signal quality and audio performance.
- New convective cooling plate design pulls cool outside air through vents at the bottom of the amplifier plate, flowing over the amplifier components and internal heat sinks, eliminating the need for an external heatsinks.
- Customer EQ and DSP limiter settings specifically for the 17-Ultra allow the subwoofer to take control of a room and pressurize it with accurate, heart-pounding, acoustically tuned bass.
- Unbalanced RCA 10kohm input impedance (compatible with consumer and professional audio up to 4Vrms inputs)
- Balanced XLR 14kohm input impedance (compatible with consumer and professional audio up to 14Vrms / +24dBu inputs)
- OLED and control interface with easy control of the most important features
- USB provides power for the SVS SoundPath Wireless Audio Adapter (sold separately) which eliminates the need for a cable run to the subwoofer from the source component.
- Auto/On and Trigger options through App for maximum installation convenience (3.5mm trigger Input 3-12V AC/DC)
- 3.5mm IR input for easy integration with control systems
- Green 0.5-watt low standby power consumption
- RoHS compliant, lead-free construction, world-wide safety certifications.

#### **SVS App Features:**

- Compatible with Apple iOS, Google Android, and Amazon Fire platforms, the industry leading SVS Subwoofer Control Smartphone app allows convenient and intuitive management of all subwoofer controls.
- The Analog Devices DSP supports a comprehensive menu of functions, including volume, fully adjustable low pass filter, phase, polarity, six PEQs, room gain compensation, tuning modes, power management settings, and more.
- Includes three convenient memory presets for fast and easy global system adjustments to match listener preferences.
- Subwoofer Auto Room Equalization (**available via over-the-air app update soon**)
  - Uses your mobile device's built-in microphone to measure the acoustic performance of your subwoofer in your room
  - Automatically calculates equalization filters to optimize the subwoofer and room combined performance at your listening position
- Unique bidirectional feedback shows adjustments in real time on both app and subwoofer interface.
- Easy-to-follow tutorial provides clear guidance for all functions.

#### **Included Accessories:**

- Protective non-resonant extra-thick ABS grille frame with fabric mesh cover

- Iso-elastomer feet
- 3 Foam port tuning plugs
- Extra heavy-duty, high current 6' power cord
- Quick Start Guide