

**DS18**  
**DBPX200 Digital**  
**Bass Processor**



## DS18 DBPX200 Digital Bass Processor Owner's Manual

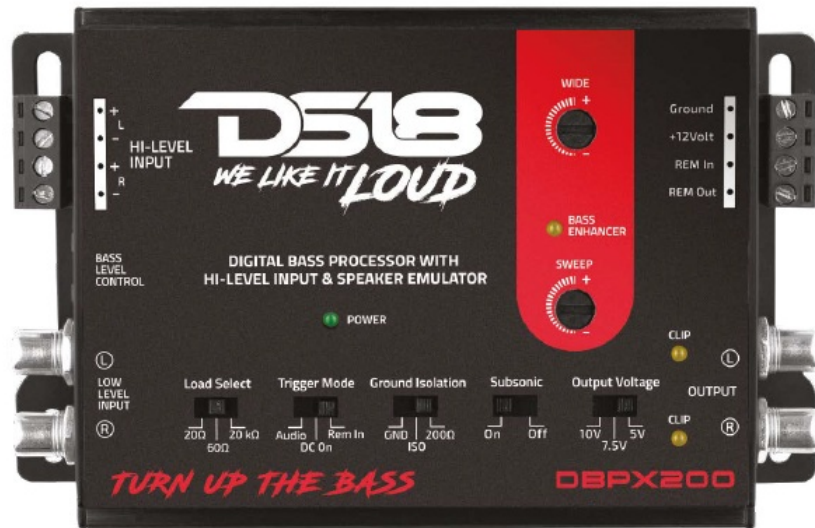
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**DS18 DBPX200 Digital Bass Processor**



## Product Specifications

- **Product Name:** Digital Bass Processor with Hi to Low Signal Converter
- **Model:** DBPX200
- **Input Voltage:** 10V (RCA Inputs), 30V (Speaker Inputs)
- **Output Voltage Options:** 10V / 7.5V / 5V
- **Subsonic Crossover:** 50Hz
- **Ground Isolation Options:** GND / ISO / 200
- **Speaker Input Load Select:** 20k / 60 / 20

## Product Usage Instructions

### RCA Inputs

The inputs of the DBPX200 use a balanced input circuit to minimize induced noise. They can handle signal voltages up to 10V.

### Bass Remote Level Control

Adjust the bass level produced by your system using the remote control. This control also affects the bass restoration.

### Speaker Inputs

The speaker inputs also use a balanced input circuit and can handle high signal voltages up to 30V.

## Frequently Asked Questions

**Q: What is the purpose of the Bass Enhancer LED?**

**A:** The Bass Enhancer LED indicates low-frequency bass output from the processor.

**Q: How do I select the subsonic crossover frequency?**

**A:** Use the Subsonic switch to control the high-pass crossover for the subwoofer output. Set it to ON and adjust it to 50Hz for optimal performance.

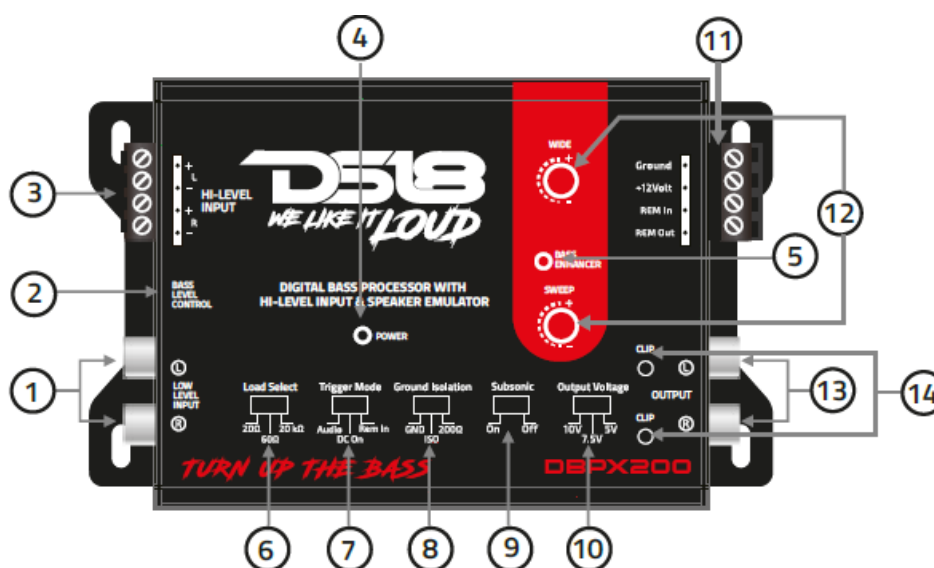
## DIGITAL BASS PROCESSOR WITH HI TO LOW SIGNAL CONVERTER

- Congratulations, you have just purchased a product with DS18 quality. Through Engineers with years of experience, critical testing procedures, and a high-tech laboratory we have created a range of high-quality products that reproduce the musical signal with the clarity and fidelity you deserve.
- To ensure optimal product operation, read this manual carefully before using the product. Keep the manual in a safe and accessible place for future reference.

## FEATURES

- Balanced line level input
- Fully adjustable bass processor that creates low frequencies from the original source
- Hi-Level speaker inputs for OEM intergration
- Dual knob dash mount remote control
- Input load selector
- Subsonic filter
- Auto Turn-on selectable
- PCB with anti-corrosion coating
- Compact design
- BEFORE OPERATING THE UNIT, PLEASE READ THIS MANUAL THOROUGHLY AND RETAIN IT FOR FUTURE REFERENCE

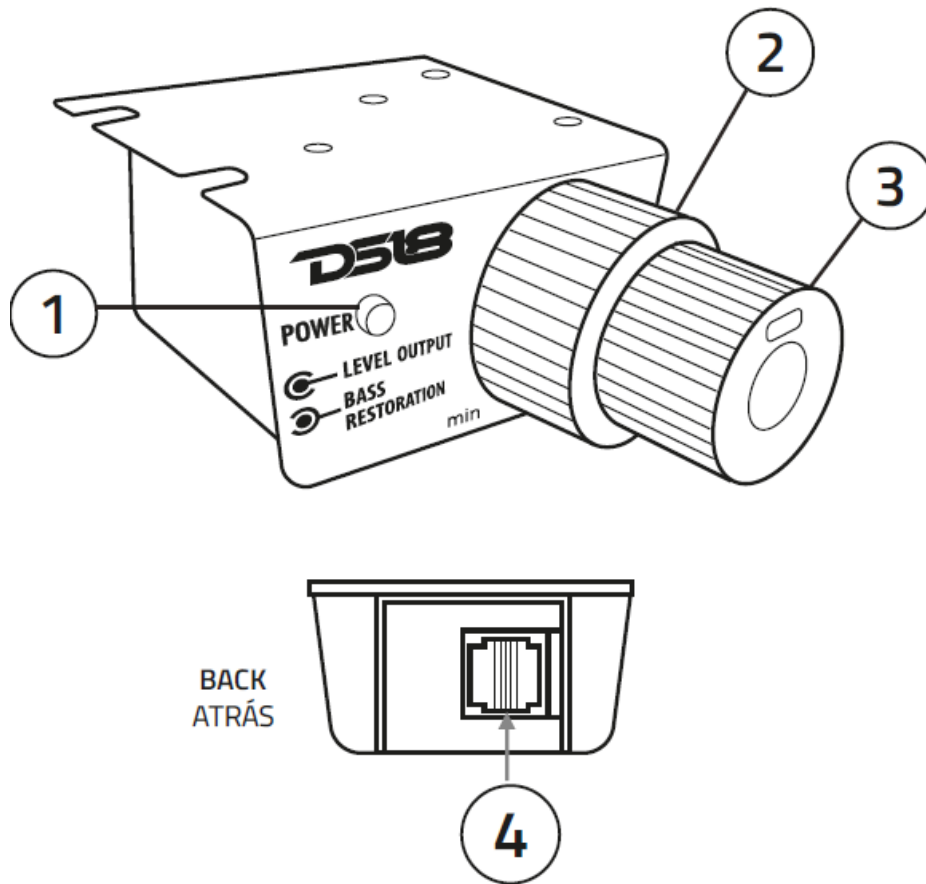
## OPERATIONS OF FUNCTIONS



1. **RCA Inputs:** The inputs of the DBPX200 use a balanced input circuit to minimize induced noise. They are also designed to handle very high signal voltages up to 10V.
2. **Bass Remote** Level Control: Adjust the level of the bass produced by your system. Also adjusts the amount of bass restoration.

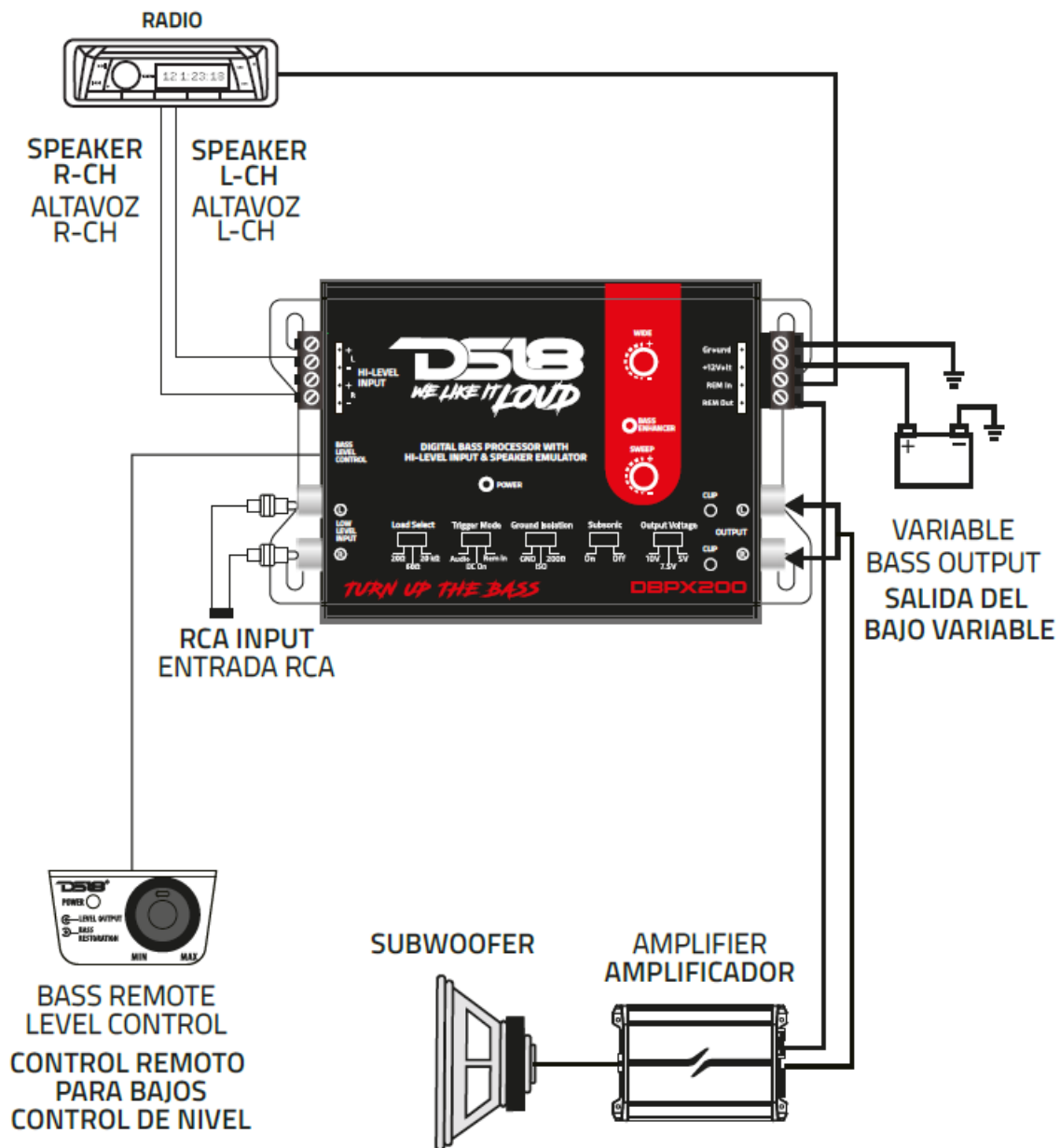
3. **Speaker Inputs:** The inputs of the DBPX200 use a balanced input circuit to minimize induced noise. They are also designed to handle very high signal voltages up to 30V.
4. **Power LED:** Notifies that power to the unit is on.
5. **Bass Enhancer LED:** Low frequency BASS indicator light at processor output.
6. **Speaker Input Load Select (20k $\Omega$  / 60 $\Omega$  / 20 $\Omega$ ):** For factory audio systems requiring a resistance load to output audio, select 60 $\Omega$  first, then 20 $\Omega$ . All others use 20k $\Omega$  setting.
7. **Trigger Mode:** Select the "Turn-On" mode depending on your system type. You can turn on the device using:  
Audio: Signal Input from Speaker or RCA.
  - **DC-ON:** Offset voltage from speaker input only.
  - **REM-IN:** Using the remote +12V input from head unit.
8. **Ground Isolation (GND / ISO / 200 $\Omega$ ):** Occasionally alternator whine may appear in a system due to improper grounding. To help resolve this situation the DBPX200 provides alternative grounding connections. Make sure your system is OFF before moving these switch.
9. **Subsonic (ON / OFF):** This controls the high-pass crossover for the subwoofer output. Adjust from OFF to ON, set at 50Hz
10. **Output Voltage (10V / 7.5V / 5V):** Systems vary in design, with some geared for powerful SPL performance and others for a more refined audio experience. The Bass Maximizer allows you to adjust the signal voltage of the Bass Restoration Circuit, either increasing or decreasing it. Depending on your system, you can change this switch to a higher or lower setting to optimize your bass output and safeguard your speakers.
11. **Power Terminal Block / +12V / Ground / REM In / REM Out:** Be sure to secure your connections to prevent shorts and damage to your DS18 unit.
12. **Bass Restoration Settings:** These knobs govern the bass restorer functions of the DBPX200.
  - The SWEEP knob enables you to select the center frequency that the DBPX200 will maximize.
  - The WIDE knob adjusts the width of the frequency range that the DBPX200 will impact.
13. **RCA Output:** Connect these RCA connectors to the subsequent component after the DBPX200, such as a crossover, equalizer, or amplifier.
  - It's important to note that the DBPX200 should be placed in-line before a crossover.
14. **CLIP Lamp:** Activates when the total harmonic distortion (THD) reaches 1% of the machine output.

## DUAL KNOB DASH MOUNT REMOTE CONTROL



1. Power LED Indicator
2. Output Level Knob
3. Bass Restoration level knob
4. Cable connector from processor

## SIGNAL CONNECTION



## SPECIFICATIONS

### GENERAL FEATURES

- **Operating Voltage** ..... 9-16V
- **Power Consumption** ..... 0.18A
- **Recommended Fuse Rating**.....1A
- **Power Input Terminal Size**.....16ga
- **LED Indicator**..... Power / Bass Enhancer
- **Ground Isolation Switch**.....Yes (GND/ISO/200Ω)
- **Hi-Level Speaker Input**.....Yes (2 Channels)
- **Auto Turn-on Function** .....Yes (Audio/DC)
- **Remote Turn-on (Input / Output)** .....Yes
- **Remote Level Control** .....Yes (Bass Enhancer/Level/Clip LED)
- **RCA Connector Type**.....Tiffany (Silver)

- **Compact Size for an easy Installation in any Application** .....Yes
- **Surface Mount Component Technology**.....Yes
- **Quality Control Verification using Audio Precision Instruments** .....Yes
- **Housing Material**..... Aluminum
- **Body Color** .....  
Black

## AUDIO SPECIFICATIONS

- **Frequency Response**..... 10Hz-20kHz
- **S/N Ratio** .....  
95dB
- **THD**.....  
0.05%
- **Input Sensitivity (Low-Level)**..... <8.8V
- **Input Sensitivity (Hi-Level)** ..... >15V
- **Input Impedance**.....20Kohms
- **Output Voltage** ..... Selectable (5V/7.5V/10V)
- **Output Impedance** .....110ohms
- **Balanced Input Noise Rejection** .....>45dB
- **Stereo Separation**  
.....>50dB

## CROSSOVER SECTION

- **Subwoofer LPF Frequency Cut-off** .....No (Full Range Signal)
- **Subwoofer Infrasonic Frequency Cut-off**..... Selectable (Off/50Hz)

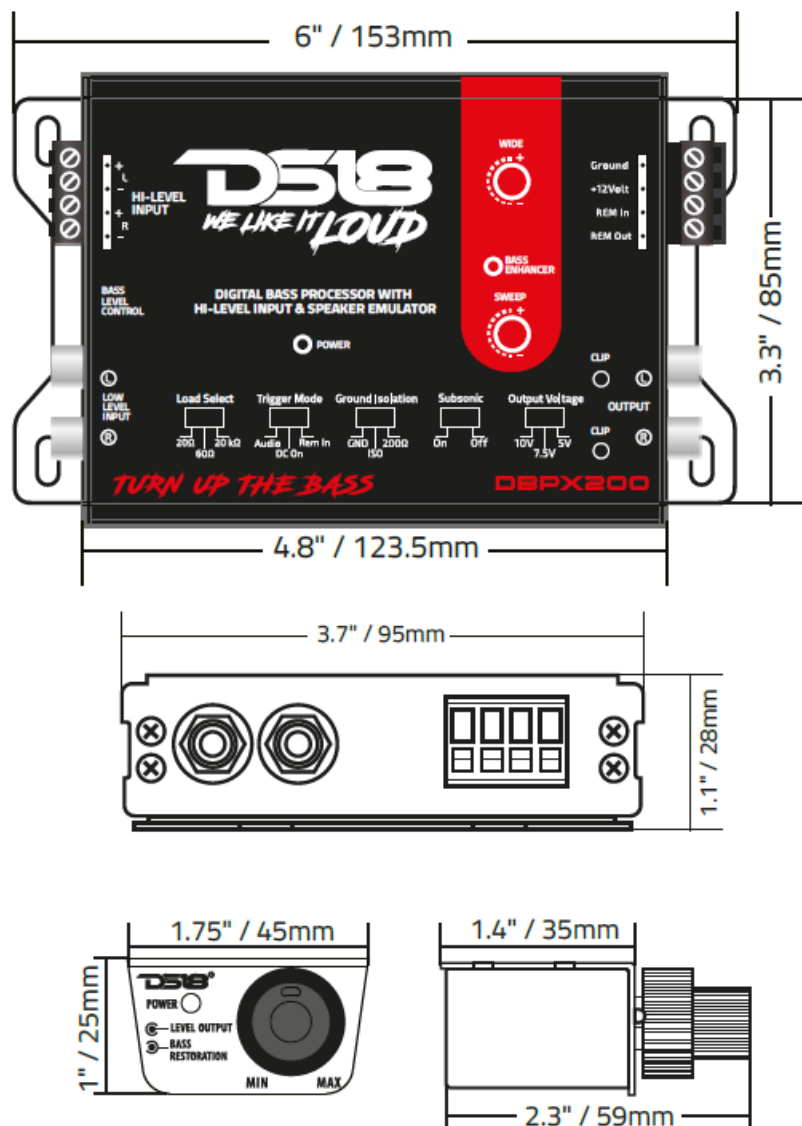
## BASS PROCESSOR SECTION

- **Gain**.....0~8.8
- **Center Frequency (Sweep)** ..... 75Hz~120Hz
- **Q Factor (Wide)**  
.....1~4

## MEASUREMENTS

- **Overall Length**.....6" / 153mm
- **Overall Width** .....3.7" / 95mm
- **Overall Height** .....1.1" / 28mm


## MEASUREMENTS



## WARRANTY

- Please visit our website [DS18.com](http://DS18.com) for more information on our warranty policy.
- We reserve the right to change products and specifications at any time without notice.
- Images may or may not include optional equipment.
- **WARNING:** Cancer and Reproductive Harm. [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)
- **FOR MORE INFORMATION PLEASE VISIT** [DS18.COM](http://DS18.COM)

## Documents / Resources

	<p><a href="#">DS18 DBPX200 Digital Bass Processor</a> [pdf] Owner's Manual</p> <p>DBPX200 Digital Bass Processor, DBPX200, Digital Bass Processor, Bass Processor, Processo r</p>
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## References



-  [\*\*Official DS18 Pro Audio Store - Speakers, Subwoofers, Amps & More!\*\*](#)
- [\*\*User Manual\*\*](#)

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