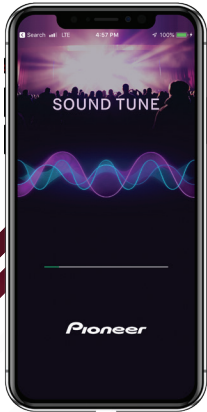




# DEQ-S1000A

Universal Sound Processor  
Smartphone controlled, DSP based OEM interface / stand-alone preamplifier-integrated amplifier



- Multi-application Universal Sound Processor for OEM integration and pre-set EQ correction
- Stereo high level / low level inputs for integration flexibility
- Hi-Volt RCA Preouts x 3 (4v) + MOSFET 50W x4 internal amplifier
- High performance 48-bit dual-core DSP
- Smartphone controlled via Pioneer's Sound Tune app to provide an Intuitive touchscreen user interface for system setting and control!
- Compact size for easy installation

## FEATURES

### Upgrade to uncompromised sound

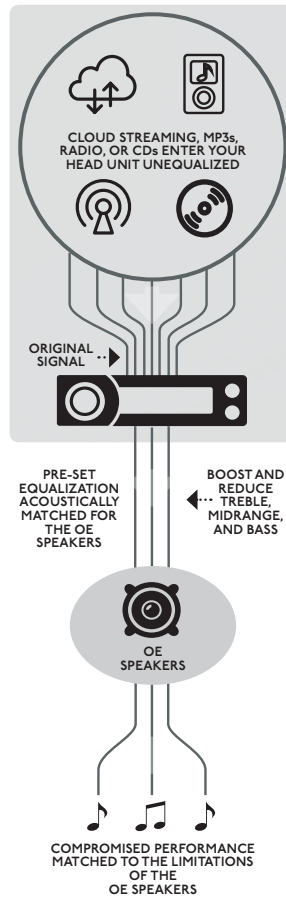
Embedded, pre-set equalization (EQ) is often used in original equipment (OE) audio systems to acoustically match the head unit to the capabilities of the speakers. Originally limited to luxury vehicles with expensive, optional audio packages, the use of pre-set EQ is now found in most cars and trucks sold during the last decade and even base model, budget tier vehicles with basic audio systems.

A pre-set EQ curve is designed to minimize the power handling and frequency response limitations of the original system by reducing deep bass that might damage low performance speakers while often also attempting to emphasize perceived sound quality by boosting mid-bass and high frequencies. For the consumer that is satisfied with their OE audio system, the pre-set EQ is a beneficial feature that makes the system more reliable and better sounding when compared to a factory installed system without it.

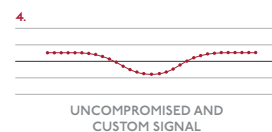
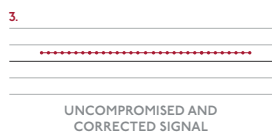
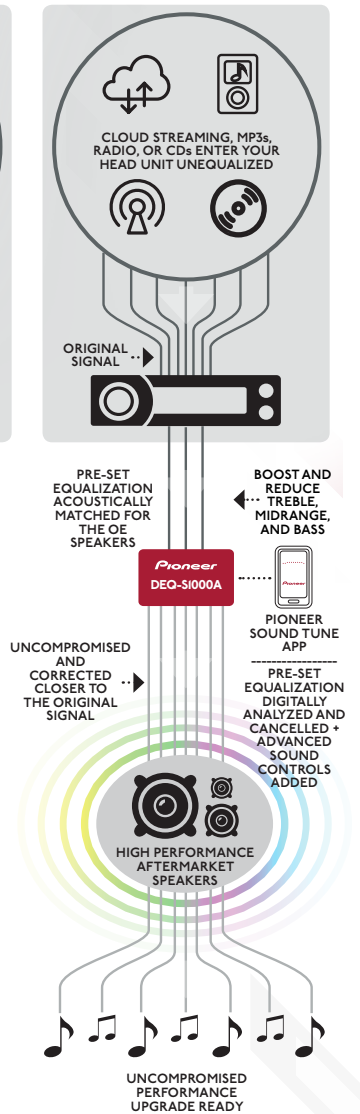
Traditionally, if you aren't satisfied and want better sound, the first step is to upgrade and replace the original head unit. However, many newer vehicles integrate the climate controls and rear visibility systems into the factory installed head unit, making its removal difficult or impossible. For these vehicles, upgrading the original speakers or adding a high performance amplifier or subwoofer system is still possible, but unless the compromised pre-set factory equalization is corrected and the frequencies that were reduced or boosted are restored, the overall performance of the system will be compromised or limited.

The DEQ-S1000A is an innovative approach to overcome the effects of an OE audio system's pre-set EQ. Featuring both high level and low level inputs plus DSP based OE pre-set EQ cancellation, the DEQ-S1000A is unique in how it leverages Pioneer's software expertise and smartphone integration experience to harnesses the processing power and touchscreen user interface of a connected iPhone or Android<sup>2</sup> smartphone. This advanced design improves performance, ease of use and minimizes the need for ultra high-cost components. Pioneer engineers also implemented advanced post-correction sound controls like a 31-band touch EQ, digital time alignment, 3-way digital network with subwoofer control, hi-volt pre-amp outputs, an internal MOSFET 50W x4 amplifier and more to provide expanded system flexibility and control.

### COMPROMISED OE PRE-SET EQUALIZATION



### UNCOMPROMISED AND CORRECTED

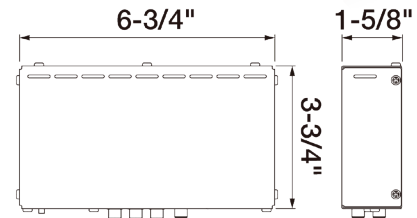


**Specifications / Features**

- Pioneer Sound Tune App controlled (available for iOS and Android OS smartphones)
- Source Calibration (Pre-set EQ correction)
- Stereo high level / low level inputs for integration flexibility
- Live Simulation sound mode (when smartphone connected and using Pioneer Sound Tune app)
- Super "Todoroki" Sound (when smartphone connected and using Pioneer Sound Tune app)
- Mix audio mode combines audio from the OE radio and smartphone source
- USB Input for smartphone connection
- Made for iPhone
- Compatible with Android
- USB Quick Charge for Android (CDP)
- High performance 48-bit dual-core DSP
- 13-band Graphical EQ internal + 31-Band Graphic EQ (when smartphone connected and using Pioneer Sound Tune app)
- Selectable crossover network: 3-Way Network Mode (high/mid/low) or Front/Rear/Subwoofer with high-pass (HPF) and low-pass (LPF) control
- Listening Position Selector
- Manual TA (Time Alignment)
- Hi-Volt RCA Preouts x 3 (4V)
- MOSFET 50 W x 4 Amplifier
- Wireless remote included plus IR remote sensor for hideaway installation
- Frequency response: 10Hz to 20kHz
- S/N ratio: 105dB
- Max. current consumption: 10A
- Compact chassis: 6-3/4" x 1-5/8" x 3-3/4" (W x H x D)



**Dimensions**  
mm (inches)



**CAUTION:** Read all safety instructions in the product documentation before use. Distracted driving can result in serious injury or death. Only use a function when it is safe and legal in your location, pay attention to the road and your surroundings, and obey all traffic rules.

Availability of non-Pioneer content and services, including apps and connectivity, may change without notice due to changes in operating systems, firmware or app versions; changes to restrictions on or discontinuation of the service or service plans; non-Pioneer hardware changes; or other events.

<sup>1</sup>Smartphone and Pioneer's SoundTune app are required for use. Smartphone not included.

<sup>2</sup>May not be compatible with Android phones depending on connection method. With some Android devices, AOA connection may not be available. In that case, connect via OTG. OTG connection requires a third-party USB cable (both USB Type-A Male to Type-A Male Cable and USB OTG Host Cable), sold separately.

"Made for iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Operations and functions may vary depending on iOS device or receivers.

Not every USB device is compatible with a Pioneer headunit containing a USB port. For size and other limitations, please see Owner's Manual. Unauthorized copying of music or other files is strictly prohibited.

Connected services require connection to a wireless network via a compatible iPhone or Android smartphone device. Ability to use such services will depend on network availability. If your data plan does not have unlimited data, charges from your carrier may apply.

Information provided for reference only and does not imply guaranteed compatibility with OE audio systems. Consult your Authorized Pioneer Dealer to confirm vehicle compatibility.

Protect your investment. Purchase from an Authorized Pioneer Dealer. Only products purchased from an Authorized Pioneer Dealer (or Authorized Pioneer Internet Dealer) qualify for the manufacturer's warranty and manufacturer's rebates. Pioneer Electronics (USA) Inc., Post Office Box 1760, Long Beach, California 90801 Pioneer Customer Service Department: 1-800-PIONEER

Note: Specifications, designs, and user interfaces are subject to modification without notice. Product colors and illumination may differ in photographs from actual appearance due to effects of printing and photography.

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