

DJPRE II

Phono Preamplifier

Artcessories



User's Manual

A R T

APPLIED RESEARCH AND TECHNOLOGY

IMPORTANT SAFETY INSTRUCTION – READ FIRST



This symbol, whenever it appears, alerts you to the presence of uninsulated dangerous voltage inside enclosure-voltage that may be sufficient to constitute risk of shock.



This symbol, whenever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

Read Instructions: Retain safety and operating instructions for future reference. Heed all warnings printed here and on the equipment. Follow the operating instructions printed in this user guide.

Do not open: There are no user serviceable parts inside. Refer any service work to qualified technical personnel only.

Grounding: Only connect the unit to equipment with properly grounded mains power. Do not defeat the grounding and polarization means of the power cord plug of the connected equipment. Do not remove or tamper with the ground connection on the power cord of the connected equipment.

Environment: Protect from excessive dirt, dust, heat, and vibration when operating and storing. Avoid tobacco ash, drink spillage and smoke, especially that associated with smoke machines.

Handling: Protect the controls from damage during transit. Use adequate padding if you need to ship the unit. To avoid injury to yourself or damage to the equipment, take care when lifting, moving or carrying the unit.

Servicing: Refer servicing to qualified technical personnel.

Installation: Install the unit in accordance with the instructions printed in the user guide.

INTRODUCTION:

Thanks for purchasing Applied Research and Technology's DJPRE II™, a high quality phono preamp designed for your home and studio. It acts as an interface between your turntable and your audio recording system. The analog input capacitance can be switched between 100pf and 200pf to optimize your phono cartridge response. A switchable low cut filter removes turntable rumble while leaving the audio pristine. The front gain trim control and signal/clip LED allow you to optimize the preamp's gain for a wide range of input sources. The built-in low noise phono preamp circuitry is highly accurate and precisely conforms to the RIAA standard. The line output jacks are low impedance and can work with any sound card.

Housed in an aluminum anodized case, the DJPRE II can be powered by a wide variety of external supplies. If you need to amplify and EQ your vinyl records to interface with an audio workstation, sound card, or monitor system, the DJ PRE II gives you flawless audio reproduction in a rugged and reliable package.

FEATURES:

- High accuracy/low noise preamp
- Switchable low-cut rumble filter
- Variable preamp gain
- Signal present/clip indicator
- Selectable cartridge loading
- RCA preamp outputs
- Heavy duty extruded chassis
- Designed and developed in the USA

The Facts About Turntable Preamps Phonograph Records Have Three Basic Problems

1. It is physically impossible to press them with ridges that allow low frequencies to come out at the same reproduction level as mid and high frequencies. Bass compensation is therefore needed during playback.
2. Records produce a certain amount of hiss which is covered up in post-production by boosting the gain of the high frequencies before pressing. Counter-EQing during playback compensates for this.
3. Magnetic cartridges produce a weak signal, which must be boosted to match the rest of the amplification, and this too is done during playback. In the mid-1950s, the Recording Industry Association of America established compensation standards. The resulting RIAA preamp has been built into every hi-fi and stereo amplifier with phono or turntable inputs since then. A separate RIAA preamp is necessary when you are connecting a turntable to a mixer that does not have one built in.

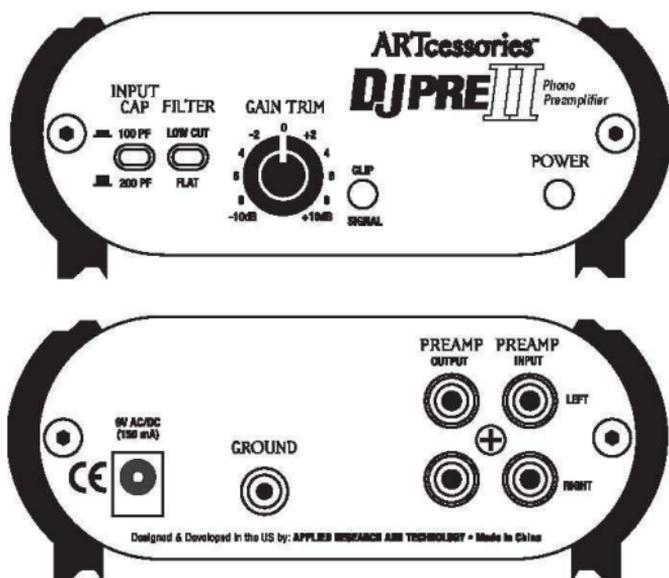
INSTALLATION and OPERATION:

1. Connect the AC adapter to the Power Input on the DJPRE II and plug the other end into an AC power outlet. If you are using the unit with a home stereo, see if your receiver or other component has a "switched" output, which will power the unit on and off with the rest of your system.
2. Connect the turntable leads to the Input connectors on the DJPRE II.
3. If the turntable has a separate ground wire, attach it to the Ground terminal on the DJPRE II to reduce hum.
4. Connect the RCA or outputs to the appropriate inputs on your mixer or stereo receiver (Aux input, or an unused tape input). If the mixer does not have RCA inputs (on any of the channels) a stereo RCA to dual mono 1/4" male cable may be needed to connect to the mixer line inputs.
5. Adjust the gain control so the indicator briefly indicates clipping (red) during the loudest portions of the music. If the sound is distorted and the led is red constantly, turn the gain down.
6. Select the input capacitance that sounds best to you.
7. Use of the low-cut filter rolls off deep bass to eliminate turntable rumble and "skipping" in heavy feet traffic areas

APPLICATIONS:

Perfect for: Portable recording, home recording, project studios.

The DJPREII may be used in a wide variety of applications and environments. Self-contained in an extruded enclosure, the Phono preamp is designed for continuous professional use. Because the unit is compact and lightweight, mounting location is not critical.



SPECIFICATIONS:

Frequency Response:	10Hz –50kHz, +/- .5dB
Phono EQ Standard:	Conforms to RIAA Curve
THD:	.01% Typical @ 1kHz
Hum and Noise:	>90dB below clipping
Input Impedance:	47k Ohms in parallel with either 100pF or 200pF
Maximum Input Level:	40mVrms @1kHz
Maximum Gain:	45dB @ 1kHz
In / Out Connections:	RCA
Maximum Output Level:	+6dBu (1.4Vrms)
Filter Type/Response:	Switchable, low-cut, -3dB @ 22Hz
Power Requirements:	7-12V DC or 9-12V AC @150mA
Dimensions HxWxD (in):	1.85 x 4.6 x 4.5
HxWxD (mm):	47 x 117 x 114
Weight (lbs/kg):	1.25 / .57

WARRANTY INFORMATION:

Limited Warranty (USA only)

Applied Research and Technology will provide warranty and service for this unit in accordance with the following warrants:

Applied Research and Technology, (ART) warrants to the original purchaser that this product and the components thereof will be free from defects in workmanship and materials for a period of **three** years from the date of purchase. Applied Research and Technology will, without charge, repair or replace, at its option, defective product or component parts upon prepaid delivery to the factory service department or authorized service center, accompanied by proof of purchase date in the form of a valid sales receipt.

Exclusions

This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. This warranty is void if the serial number is altered, defaced, or removed.

ART reserves the right to make changes in design or make additions to or improvements upon this product without any obligation to install the same on products previously manufactured.

ART shall not be liable for any consequential damages, including without limitation damages resulting from loss of use. Some states do not allow limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may have other rights, which

vary, from state to state. The warranty terms listed above are only valid within the United States of America. For units purchased outside the United States, an authorized distributor of Applied Research and Technology will provide service. For information on warranty and service policies outside of the U.S., please contact your local distributor.

Please fill in the following information for your reference:

Date of purchase: _____

Purchased from: _____

SERVICE:

The following information is provided in the unlikely event that your unit requires service.

1. Be sure that the unit is the cause of the problem. Check to make sure that the unit has power supplied, that all cables are connected correctly, and that the cables themselves are in working condition. You may want to consult with your dealer for assistance in troubleshooting or testing your particular configuration.
2. If you believe that the ART unit is at fault, go to www.artproaudio.com. Select "Support", then "Return Authorization Request" to request a return authorization number.
3. If you are returning the unit for service, pack the unit in its original carton or a reasonable substitute. The original packaging may not be suitable as a shipping carton, so consider putting the packaged unit in another box for shipping. Print the RA number clearly on the outside of the shipping box. Print your return shipping address on the outside of the box.
4. Include with your unit: a note with the RA number and your contact information, including a return shipping address (we cannot ship to a P.O. box) and a daytime phone number, and a description of the problem, preferably attached to the top of the unit. Also include a copy of your purchase receipt.



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**DJPRE II
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V1.3**