

# TUBE WORKS

## WARRANTY AND OWNER REGISTRATION

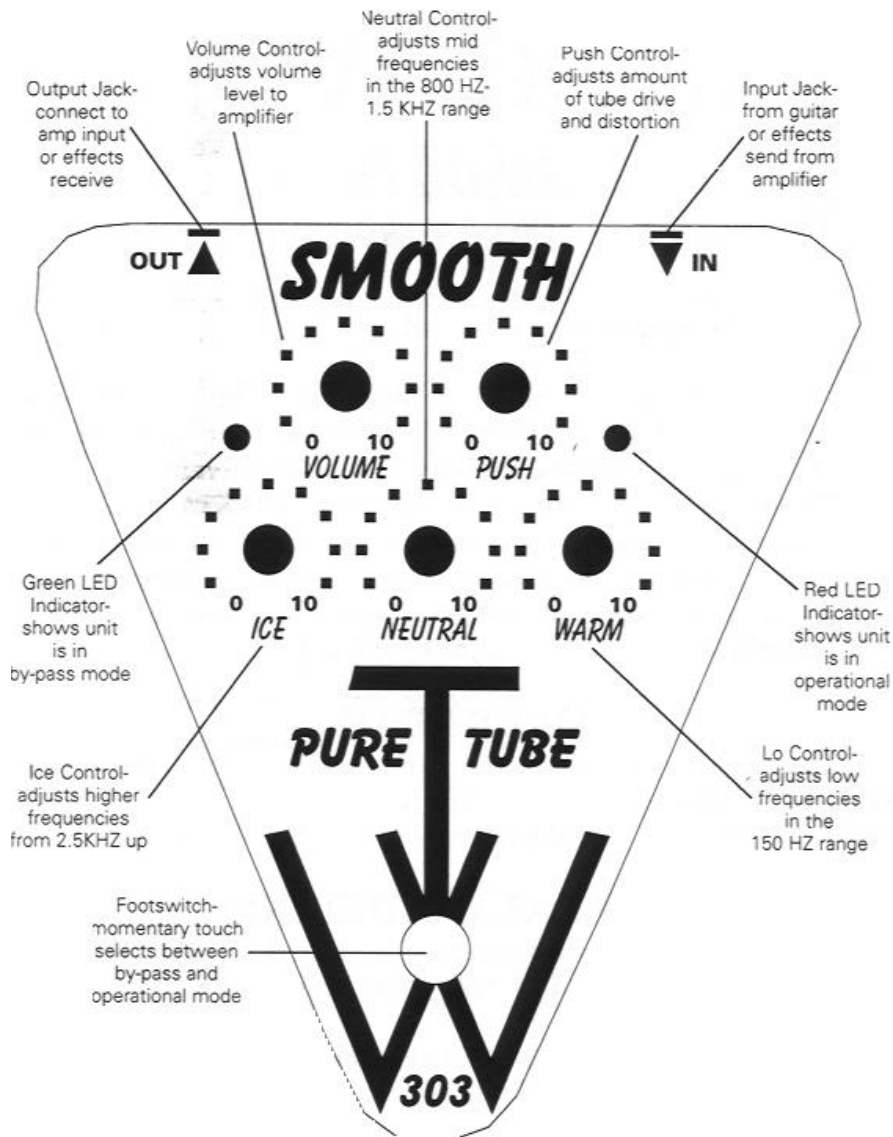
Your Smooth pick pedal is warranted for a period of THREE FULL YEARS against defects to the original, registered owner provided he/she has returned a completely filled-out OWNER'S REGISTRATION CARD. This warranty covers parts and labor only; shipping charges remain the sole responsibility of the owner. Damage due to modification or abuse is excluded from this warranty. Before returning any unit for service, a RETURNED MERCHANDISE AUTHORIZATION NUMBER (RMA) must be obtained. Manufacturer is not responsible for consequential or inconsequential damages resulting from any application or use of this product. Manufacturer and sales agents assume no liability or responsibility for safety or injury relating to the use of the Smooth pick pedal, and user agrees to hold manufacturer and designer harmless in this regard. This is the full extent of the warranty; no other warranties implied or intended.

## MODEL 303

*SMOOTH PURE TUBE*

Thank you for your purchase of the Smooth tube pre-amp pedal. For the applications intended, it will give you a quality of sound unattainable until now. Your Smooth pick pedal is intended primarily for bass, keyboard and guitar players who desire to warm-up and enhance their sound by using the classic vacuum tube as the vehicle. The heart of the Smooth is the classic 12AX7A twin triode vacuum tube. It is possible to obtain many classic "old amp" sounds with your present solid-state and probably over-processed equipment. If you are using tube equipment, the Smooth will add even more to the good sound you already have!

**TUBE WORKS**  
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## OPERATION

The Smooth is capable of a very good range of applications. While a pedal always has certain limitations vs. Rack systems, care has been taken to make your pedal as "pro" as possible.

## GENERAL GUIDELINES

1. In order to get the cleanest possible sound, set the Volume control to maximum and us the "Push" control as you would a standard volume control.
2. To get more Tube coloration and some overdrive, reduce the Volume control setting and increase the Push control setting.

## SPECIFICATIONS

VOLTAGE REQUIREMENT	: 120 VAC, 9 WATTS
TUBE TYPE	: 12AX7/ECC83-SELECTED
INPUT IMPEDANCE	: 1 MEG. OHMS
SIN RATIO	: 70 dB (Typical)
HUM & NOISE	: -85 dB (Typical)
OUTPUT HAPEDANCE	: 10K OHMS
OUTPUT LEVEL	: 0 dBV (.78 V Typical)
WEIGHT	: 3 lbs. shipping

## GENERAL NOTES

Although the **Smooth** is very ruggedly housed [in heavy gauge steel, care should be given to the unit as tubes are made from glass. Avoid physical abuse. A soft touch to the foot switch is all that is needed to switch the unit. You will note the absence of a power switch on the **Smooth**. This was intentional on the part of the designer. There is no possibility of unwanted power loss during a performance, and power switches are just one more area of eventual wear- out that has been avoided. The **Smooth** has been designed for prolonged periods of continuous use without overheating or damage. It has been observed that the **Smooth** sound is actually enhanced with use as the tube ages.