

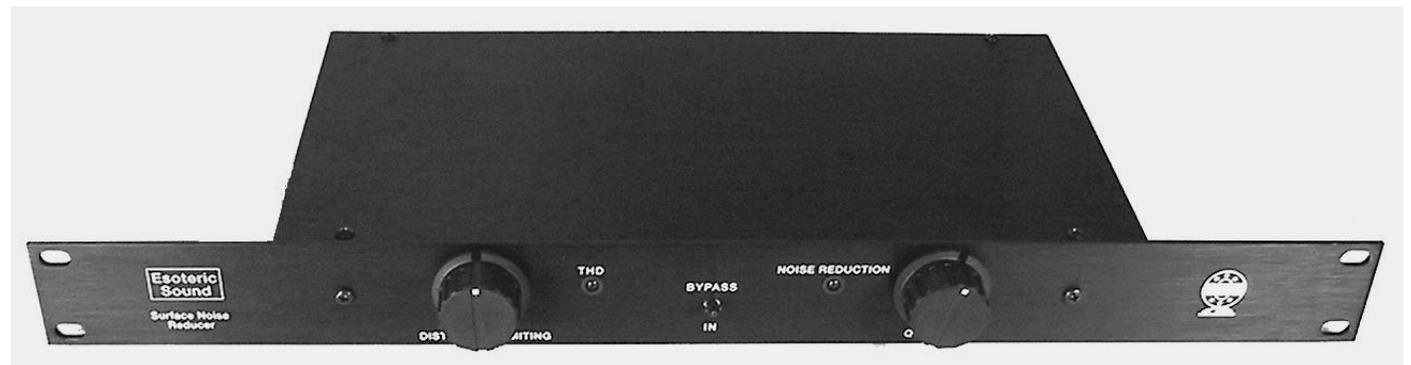
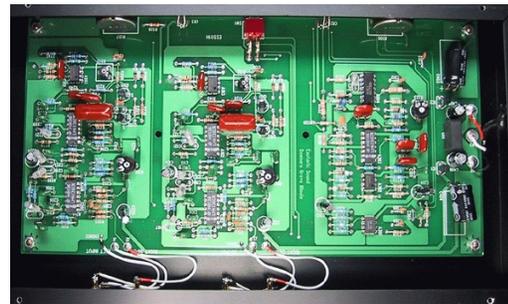
# ESOTERIC *SURFACE NOISE REDUCER* FOR ALL PHONO RECORDS

## YOUR PHONOGRAPH RECORDS ARE NOT GOING TO GET QUIETER

The *Surface Noise Reducer* eliminates or reduces the clicks and pops found on most types of phonograph records. Its circuit topology employs the latest in modern digital integrated circuits and a design algorithm which can identify and remove many clicks and pops found on Lp's and even 78's and other vintage records. It can often improve the quality grade of records by several grades. It will cause minimum degradation to either audiophile or vintage records and is suitable for inclusion into advanced audiophile systems where phonograph records are used. While use of a graphic equalizer or "scratch filter" to remove ticks and scratches is somewhat effective, such filters reduce or eliminate the highs found on records. The *Esoteric Surface Noise Reducer* acts only on the click or pop without effecting program material. The *Surface Noise Reducer* is also very effective in reducing ignition noise from FM radio broadcasts. Send for our 44 track demo CD. Please include \$3.00 ppd.

## **SURFACE NOISE REDUCER FEATURES:**

- \* 70-90% effective on Lp's and 15-30% effective on most vintage records
- \* Suitable for home, professional CD mastering, or broadcast use
- \* Professional quality design and construction
- \* Unique "distortion limiting" circuit prevents unit from acting on music
- \* In "BYPASS" mode, signal is hard-wired input to output - introduces absolutely no noise or distortion to any audiophile unit
- \* 19" rack mount standard at no extra cost
- \* Film coupling capacitors assure low TIM and transparent sound
- \* Works with phono, tape outputs - any source
- \* Gold-plated RCA connectors
- \* Very low distortion & noise
- \* Stereo or mono



## **SURFACE NOISE REDUCER SPECIFICATIONS**

THD: Less than 0.02% at 1 kHz  
HUM & NOISE: 95 dB below rated output  
RESPONSE: 20 TO 20 KhZ +/- 0.20 dB  
GAIN: 0 dB +/- 0.5 dB (Unity)  
MAX OUTPUT: 6.5 Volts RMS  
INPUT IMP: 50 kOhms  
OUTPUT IMP: 50 Ohms  
CONTROLS: DISTORTION LIMITING, QUIETING, BYPASS/IN  
LED'S: THD, NOISE REDUCTION  
POWER: 120 VAC/60 Hz, 230 VAC/50 Hz  
CONSTRUCTION: Black anodized aluminum case, gold-plated connectors  
SIZE: 19" X 1.75" X 7," standard EIA minimum-height mount

## **OPERATION**

1. Connect *Surface Noise Reducer* to you audio system just as you would a common "graphic equalizer."
2. While playing loud music portions from a record, the "DISTORTION LIMITING" control is advanced till the "THD" LED illuminates.
3. The "QUIETING" control is advanced till the "NOISE REDUCTION" LED flashes indicating that clicks and pops are removed.

PRICE: \$425.00, Continental US shipping \$8.00

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