

# Hafler®

## PH50

Order#: H100-0050



“The Hafler PH50 phono preamp kicks ass. I’ve never heard my turntable sound that good. Actually, I didn’t think it was possible.”

### Chuck Ainlay

Engineer

*Dire Straits, Mark Knopfler, Miranda Lambert, Lionel Richie, George Jones, Taylor Swift, Peter Frampton, Eric Church, Sheryl Crow, Willie Nelson, Dixie Chicks, Lyle Lovett*

# PH50

## Phono stage for moving magnet cartridges



- Phono preamp with precise RIAA equalization curve
- Ultra low noise transformerless design with 35 dB of gain
- Variable high-pass filter eliminates rumble from excessive bass
- Plug & play easy to set up and use

The Hafler PH50 is a high performance phono preamp for moving magnet (dynamic) cartridges that delivers 35 dB of gain while incorporating a well defined RIAA curve to preserve and transmit the original program material with minimal coloration. Particular attention has been applied to reducing noise, a problem common to the 33 RPM recording chain, resulting in a low -80 dB noise floor with greater than 91 dB of dynamic range and less than 0.002% distortion.

The design begins with a 14 gauge steel casing to shield the low level signals from external magnetic fields and RF contamination. Gold-plated RCA input and output connector pairs are employed that will not tarnish over time, thus optimizing signal flow. Inside, the solid-state circuit and military grade PC board has been optimized by carefully positioning parts for minimal self-noise and cross-talk and then supplemented with a ground plane to reduce susceptibility to RF. An external supply further reduces emissions by removing the power transformer from inside the casing.

Front panel controls include a power on-off switch and a variable low-cut filter that may be inserted into the signal path when needed. The fully adjustable low cut (high-pass) filter enables the user to attenuate low frequencies that can cause resonance and feedback when playing music at higher levels. This helps eliminate both airborne and solidly coupled vibrations that can enter the stylus and cause feedback, rumble and distortion.

Compact yet ‘plug and play’ easy to use, the PH50 follows Hafler’s 50 year tradition of building the very finest audio products.

### Specifications:

Circuit:	Active operational amplifier
Inputs:	RCA (left/right)
Output:	RCA (left/right)
Impedance:	47 kΩ
Gain:	35 dB
Size:	4½" (w) x 6" (d) x 1¾" (h) (114 x 152 x 44.5mm)
Power:	15V 400 mA external supply
Warranty:	3 year transferable



*Hafler products are proudly designed and manufactured in North America.*

**Hafler Corporation**  
1588 Kebet Way, Port Coquitlam  
BC Canada V3C 5M5  
www.hafler.com  
info@hafler.com  
(604) 942-1001

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