



# Mutine

## CEC PH53 phono preamplifier



### FULLY ADAPTABLE PHONO PREAMPLIFIER

The PH53 has been designed to match virtually any cartridge. The input for both MM and MC cartridges can be fully adjusted with the dip switches located on the bottom of the chassis.

The input capacity for MM cartridges is adjustable from 47pF to 884 pF. The input impedance can be set to 100  $\Omega$  or 1 k $\Omega$  for MC cartridges and 47 k $\Omega$  for MM cartridges. The gain can be increased by 6 or 20 dB.

### LEF (Load Effect Free) CIRCUIT

The PH53 features CEC's unique Load Effect Free (LEF) circuit to completely avoid all factors that result in deterioration of sound quality. Every amplifier should be a perfect voltage source, while the phase relation varies with the frequency. NFB amplifiers are sensitive to this matter, specifically to the dynamic changes. The LEF's current control stage is not linked to the signal voltage, and just checks the current requirement without "knowing" about the phase relation to the voltage. This "phase independent operation" is an important factor contributing to the sound quality. The PH53 also has an automatic bias adjust function for stable signal processing.

All preamplifier sections run without any overall negative feedback. Thus the preamplifier creates no dynamic distortion.

### CI (Current Injection Technology)

The XLR balanced input uses the current injection technology and provide the highest performance.

### SUBSONIC FILTER

A subsonic filter with two different curves can be switched in.



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phono amplifier

## SPECIFICATIONS

Input sensitivity RCA	12.5 mV rms / 1 kHz (6.5 mV rms at High gain) +16 dB RCA 2.2 mV rms / 1 kHz (1.1 mV rms at High gain)
XLR	Depending on voltage and impedance of the moving coil cartridge
Input impedance RCA XLR	Switchable, 100 $\Omega$ / 1 k $\Omega$ / 47 k $\Omega$ Approx. 10 $\Omega$
Input terminals	Balanced XLR: MC Unbalanced RCA: MM / MC (always use one input only)
Output terminals	Balanced XLR x 1 Unbalanced RCA x 1
Power supply	100 - 240 VAC, 50 / 60 Hz
Power consumption	10W
<b>DIMENSIONS AND WEIGHT</b>	
Weight	2 kg - 4.4 lb.
Width	217 mm / 8.6 in.
Height	57 mm / 2.25 in.
Depth	258 mm / 10.15 in.

## ACCESSORIES

AC power cord, user's manual

## AVAILABLE FINISH

Silver

## WARRANTY

North America 1 year

\*Specifications and design are subject to change without notice.

