

ROLLS

HR341 voice band audio processor



ROLLS



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ROLLS CORPORATION
SALT LAKE CITY, UTAH
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Quick Start Guide

INTRODUCTION

Rolls HR341 voice band audio processor.

This is a completely analog unit, not a clock in it. Use it as a mixer insert for taking bandwidth control of a single microphone or a group if your mixer will allow. Since the optical limiter is on the input it is nearly impossible to over drive the unit if the limiter is all the way up.

Also with the load resistor input it could be used for sound control and even speaker simulation of a small tube or solid state instrument amplifier. This unit is very useful for single channel bandwidth and dynamics control as well as some feedback suppression.



The 24dB/oct shelving filters can be set to minimize noise and limit the voice bandwidth.

The notch filter can eliminate an annoying feedback fundamental. This is useful for noisy environments where you need to increase intelligibility and decrease background noise

The headphone jack can cut the speaker out, but not the unswitched out. The compressor is a soft knee optical type and help smooth out loud signals transparently. This is ideal in the insert of a mixer for complete control of a microphone.



The speaker load switch on the rear is for loading tube type amps that need a speaker load on their output, or on a solid state unit you can switch it off. T/S means tip sleeve.

The built in power amp is about 2 watts and will drive most speakers.

The schematic diagram can be found on the Rolls website www.rolls.com

<http://www.rolls.com/product.php?pid=HR341>

SPECIFICATIONS

Connectors:	IN: 1/4" Line / Speaker T/S and Insert
	OUT: 1/4", RCA and 1/8" Headphone
Power Supply:	Rolls PS27 - 15 VDC OR Rolls PS12 - 12 VAC
Size (W x H x D):	6.75" x 6" x 1.5"
Weight:	1.65 lbs.