

Rupert Neve Designs Portico 5045 Primary Source Enhancer



The Portico 5045 Primary Source Enhancer is a remarkable 2-channel analog device designed to assist mixing engineers remove unwanted background sounds from bleeding into microphones, hence enhancing the primary source of audio. Imagine inserting the 5045 over a podium microphone, making a few adjustments to the very easy to use knobs on the front panel, and realizing how the intelligibility of that microphone increases. The 5045 will handle or reduce unwanted signals well in excess of 20dB, if needed. By simply reducing the background sounds relative to the main audio source, the additional clarity and gain before feedback realized is quite stunning.

In addition to that, the rich warmth that Mr. Neve's devices are known for is also present with the 5045.

Ideal for corporate A/V, panel discussions, houses of worship, broadcast and a variety of other venues and events, the Portico 5045 Primary Source Enhancer especially shines when used in a challenging environment such as with a lavalier or headset microphone.

The 5045's front panel features a Time Constant, Threshold, and Depth knob for each of the 2 channels, as well as push button controls for Process Engage and RMS/Peak. Even when the channels are not engaged, the 5045 consists of two immaculate transformer coupled Line Amplifiers.

Connections are simple for the balanced line ins and outs for each channel. The rear panel has 2 XLR inputs and 2 XLR outputs. Because of the transformers, the 5045 will accept any combination of either balanced or unbalanced inputs and outputs.

Manufactured by Rupert Neve Designs and distributed in North America solely through Yamaha Commercial Audio Systems.

RUPERT NEVE DESIGNS



Portico 5045 Primary Source Enhancer Specs

Threshold: Continuously variable from -20 to 10dBu.

Depth: Continuously variable from 0 to 20dBu.

Time Constants:

RMS Mode:

- A: 50mS
- B: 100mS
- C: 200mS
- D: 750mS
- E: 1.5S
- F: 3S

* RMS Mode Time Constant data collected using 10dB bursts.

Peak Mode:

Attack: fixed 20mS

Release:

- A: 20mS
- B: 200mS
- C: 1S
- D: 2S
- E: 5S
- F: 30S

Maximum Output Level: +25dBu

Total Harmonic Distortion and Noise:

@ 1kHz, +20dBu output level, no load

Main Output, feedback suppressor bypassed: Better than 0.002%

Main Output, feedback suppressor engaged: Better than 0.002%

Noise:

Measured @ Main Output, un-weighted, 22Hz-22kHz, 50 ohm terminated input.

Feedback suppressor bypassed: Better than -100dBu

Feedback suppressor engaged: Better than -95dBu

Frequency Response:

Main Output @ 20Hz -3dB

@150kHz -3dB

Crosstalk:

Measured Channel to Channel Better than -80dB @ 16kHz

