



► **What is the MicPre 5.0 ?**

The "MicPre 5.0" is a complete single channel microphone preamp that offers features and flexibility for use in the most serious recording applications.

The signal path consists of a matched discrete transistor front-end, premium IC's, and transformer output stage. With the push of a button, the MP5.0 can change from an "Transformer-Balanced" output to a "Active-Balanced" output.

The compact 1/2 rack format of the MP5.0 can easily be rack mounted and combined with the Speck Model ASC equalizer to create a highly functional outboard channel strip.

The MicPre 5.0 also includes a mix section that makes it perfect for DAW's and remote recording.

► **Key Features**

- Matched discrete transistor input / transformer output.
- 70 dB of preamp gain.
- Precision stepped gain control with variable trim.
- Variable high pass filter.
- Mix output section with level, pan and mute.
- Mix section can be "linked" with additional MP5.0's.
- Transformer "and" active-balanced outputs.
- High resolution 10 segment LED VU meter.
- Internal power supply with toroidal transformer.
- All input, output, and insert connectors are balanced.
- Can be combined with the Model ASC equalizer to form a channel strip.

► **What is a Mix Node?**

The mix section of the MicPre 5.0 provides a separate left/right mix output with level, pan and mute.

With only a simple interface cable, this mix section, or "Mix Node" can be linked with any number of MP5.0's to form a fully integrated mix section.

In many situations such as desktop or location recording, this expandable feature of the MP5.0 can eliminate the need for a separate audio mixer.

► **Specifications**

- Gain Range (Mic)**
70 dB total
+10 to +60dB in 5dB steps
-10/+10 variable trim
- Gain Range (D.I.)**
-20 to +40 dB in 5 dB steps
- THD+n (Gain +40, Output +12dBu)**
.002% nominal
- Noise EIN (22Hz-22kHz)**
-126 dBu (150 ohm load, 60dB gain)
- Frequency Response**
10Hz-200kHz (+0/-3dB)
- Mic input impedance**
4.6k ohms
- D.I. input impedance**
50k ohms
- Maximum input level**
+18dBu (without pad)
+30dBu (with 20dB pad in)
- Max. output level (10k load)**
+28dBu at active outputs
+24dBu at transformer output
- HP Filter**
30Hz-250Hz (12dB/octave)
- Phantom Power**
+48V regulated
- Dimensions**
HxWxD= 1.75" x 8.5" x 8.00"
(44mm x 216mm x 203mm)
- Weight**
5 Lbs. (2.27kg)
- Power Requirements**
100-120 VAC 50-60Hz
220-240 VAC 50-60Hz



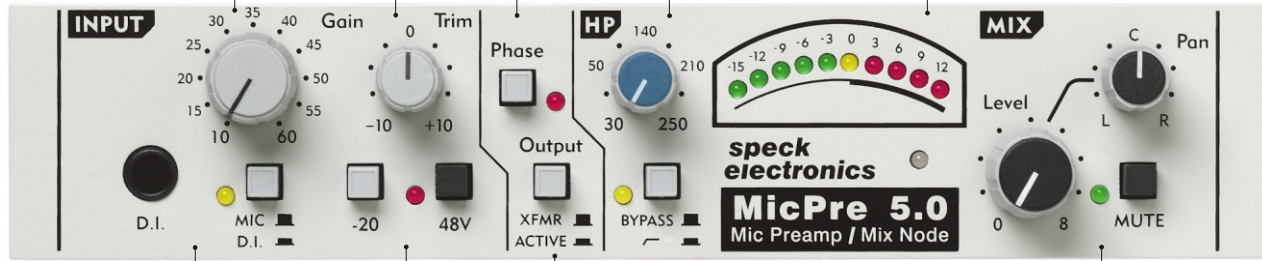
A high quality rotary switch adjusts the **Gain** in 5dB steps from +10dB to +60dB.

A variable **Trim** of +/-10dB for a total gain of 70dB.

A **Phase** reverse is located after the preamp gain stage.

A **High Pass** filter section with **Bypass** switch will sweep the frequency from 30Hz to 250Hz.

A 10 segment **LED VU Meter** is referenced to +4dBu for a 0 VU reading.



A balanced 1/4" **D.I.** input jack is selected with the **Mic/DI** select switch.

A **20dB pad** and **+48V** phantom can be selected for the mic signal.

The **Output "Xfmr/Active"** switch selects a Transformer-Balanced output or Active-Balanced output.

A mix section with **Level**, **Pan** and **Mute**. The source for the mix section can be the mic preamp or any line level signal plugged into the Line In jack.

Aux DC Out will power the Speck Model ASC equalizer.

Balanced TRS jacks for the **Insert Send** and **Insert Return**. The insert send can also be used as a **Pre Out-B** for zero-latency monitoring and the **Line Input** to monitor the output of a DAW or multitrack.

This **XLR Preamp Output** can be "Transformer-Balanced" or "Active-Balanced" depending on the switch setting on the front panel.



The **Mix Link** connector allows the mix section of the MP5.0 to be combined with any number of MP5.0's to form a fully integrated mix section.

The balanced TRS **Left and Right Mix Outputs** can be used anywhere a stereo signal is needed.

When going for the absolute minimal signal path, the "Output Signal Path" (**O.S.P.**) switch will bypass all non-essential circuitry to the XLR pre out.

Signal Flow Diagram

