Roland® MMP-2
MIC MODELING PREAMP

TurboStart

It's a Fact...

The Roland MMP-2 offers features not found on any other microphone preamp along with sound quality that rivals preamps costing hundreds of dollars more. Its features include:

- 2-channel mic modeling preamp for recording and live performance
- Premium analog components and 24-bit/96kHz A/D conversion
- COSM® Mic Modeling for instant access to a variety of high-end mic sounds
- Four bands of fully parametric EQ, modeled tube compression, enhancer and de-esser
- Analog I/O includes 2 XLR/TRS analog mic inputs, 2 XLR line analog outputs
- Coaxial digital I/O and AES/EBU digital outputs
- USB port allows computer control and ability to download new effect plug-ins
- Bundled software with intuitive graphic editing of EQ, compressor and more
- Models optimized for the AKG C3000B plus four additional mics

Setting Up a Mic Input

Use the following procedure to connect a condenser microphone to the MMP-2's Channel 1 using an XLR cable.

Note*: Condenser mics require power—you can use Channel 1's built-in phantom power supply.*

1. Plug an XLR microphone cable into the Channel 1 MIC IN.
2. Press the left-hand PHANTOM/PHASE/LO CUT button so it lights green—"+48V OFF" is displayed on the left of the screen.
3. Turn the knob beneath +48V OFF clockwise. "TURN ON XLR1 PHANTOM PWR OK?" is displayed.
4. Press ENTER.
5. Press METER so it lights green.
6. While speaking into the mic, adjust Channel 1's input sensitivity (SENS) knob so that the meter shows a level between -12 and -4.

Applying Mic Modeling to An Input

Get the best results from the MMP-2's COSM Mic Modeling by using models designed for your mic. Here's how to emulate a vintage condenser mic using an AKG C3000B condenser microphone:

1. After the mic input has been set up as described earlier, press the MODEL EDIT SELECT button—"MODEL" appears on the display.
2. Turn the knob beneath MODEL to select ON.
3. Turn the knob under INPUT so that it's set to C3000B.
4. Turn the knob under OUTPUT to select VNT.C for "Vintage Condenser."
5. Press the METER button to return to the input screen.

Selecting a Preamp Modeling Effect Patch

Preamp modeling reproduces distinctive mic preamp characteristics such as frequency response, harmonic balance and distortion.

1. Press the PATCH button so it lights green—the currently selected patch's number appears on the display.
2. Turn the knob beneath the patch number to select P36 Amp N1073.
3. Press ENTER.
4. To modify the selected patch, press PLUG IN.
5. Use the PAGE buttons to display the various parameters for this patch. Turn the knob beneath any parameter to change its value.

Applying EQ to the Microphone

You can use the MMP-2's 4-band parametric equalizer (EQ) to adjust the volume level of individual frequency bands. Here's how:

1. To use the equalizer, select a patch that contains EQ. For now, select the P02 Male Vocal patch as described above.
2. Press the EQ EDIT SELECT button.
3. Press the PAGE buttons to display any desired EQ parameter and turn the knob beneath the parameter to adjust its value.
4. To hear the input without EQ, press the EQ BYPASS button so it turns solid red. Press it again to turn the EQ back on.

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Using the Dynamics Processor

The MMP-2 provides a compressor to help control volume changes. Use the following procedure to turn on the MMP-2's compressor:

1. Press the DYNAMICS EDIT SELECT button—"COMPRESSOR" appears on the display.
2. Turn the knob beneath COMPRESSOR so "ON" is displayed.
3. Use the PAGE buttons to navigate through the various dynamics parameters. Turn the knob beneath any parameter to change its value.
4. To hear the input signal without compression, press DYNAMICS BYPASS so it turns solid red. Press it again to turn the compressor back on.
5. Repeatedly press METER until it's red to display gain reduction, or orange to show output level.