



## PS2 Dual Channel Phantom Power Supply Owner's Manual



Congratulations on your purchase of the Miktek Audio Tool Box Series signal processor! The audio industry is filled with a lot of 'good' audio gear. At Miktek we believe 'good' is not good enough! We manufacture our products to go beyond average quality and performance. Thank you for trusting our vision and choosing Miktek for your important audio application.

In this manual you will find descriptions of the PS2, the 48V Phantom Power Supply's features, step-by-step set-up and operating instructions, along with detailed specifications. In addition, we've also included some simple application examples that help explain the features and functions of the PS2. For the experienced audio engineer these applications may seem basic, however at Miktek, we are committed to supporting and encouraging new engineers who use our products and help them appreciate outstanding audio quality! So, no explanation is too basic! We know you are serious about your audio equipment, and at Miktek, we are serious about providing superior products and service to our customers. We appreciate your patronage and hope you enjoy using your Audio Tool Box processors as much as we enjoy making them for you.

Sincerely,  
Michael Ketchell  
Managing Director

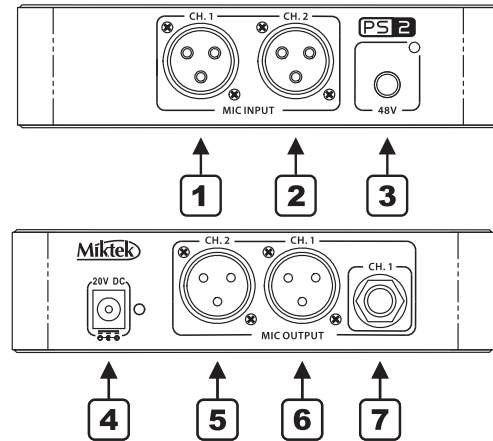
### INTRODUCTION

The Miktek PS2 is a Two Channel, 48 Volt Phantom Power Supply that is capable of powering two condenser microphones at the same time. It is a perfect solution for applications when using a condenser microphone with a mixer, PA, or other amplifiers that do not provide phantom power for their microphone inputs.

### FEATURES

- Two channels with 48 volt phantom power supply
- Dual XLR Inputs and Dual XLR Outputs
- 1/4" Microphone Output for Channel 2
- LED Power Indicator
- 20 volt DC adapter

### FRONT AND REAR PANEL LAYOUT



1. Ch1 - MIC INPUT: XLR balanced input for connecting condenser microphone
2. Ch2 - MIC INPUT: XLR balanced input for connecting condenser microphone
3. 48V: When pressed in, the LED illuminates indicating the phantom power is on
4. DC POWER INPUT: Connect the supplied power adapter here
5. Ch2 - MIC OUTPUT: XLR balanced microphone output for Channel 2
6. Ch1 - MIC OUTPUT: XLR balanced microphone output for Channel 1
7. ALTERNATIVE Ch1 - MIC OUTPUT: 1/4" balanced connector alternatively for Channel 1 output

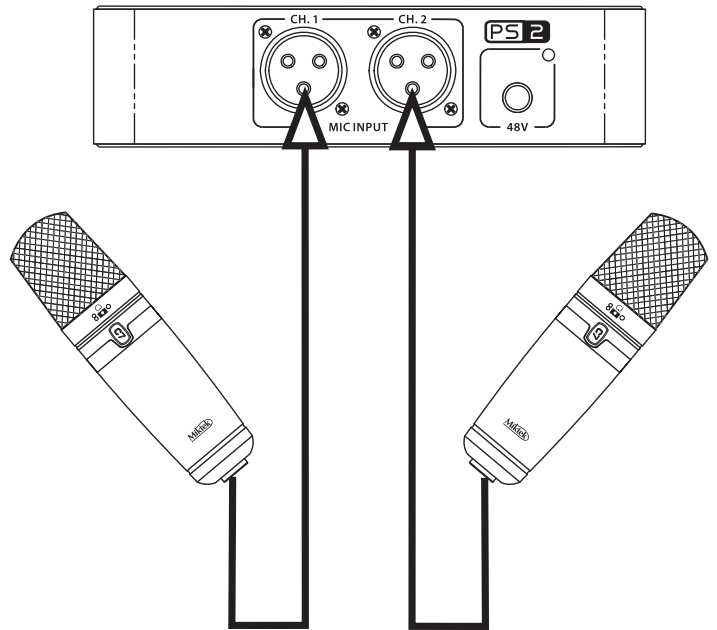
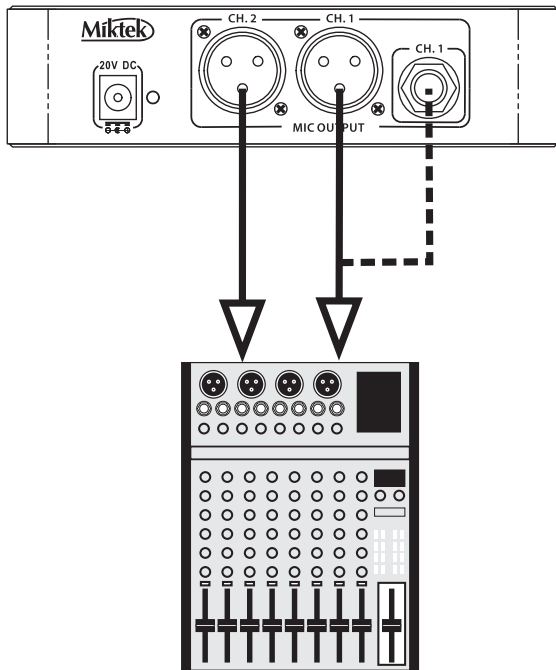
### SETTING UP YOUR PS2

Make sure the volume controls on your mixer/PA/amplifier are turned all the way down before connecting your microphones. Use caution because if phantom power on the PS2 is engaged, a loud pop will occur when connecting/disconnecting which can be harmful to your speakers and ears. Always start with the volume control all the way down and then slowly raise the signal to an appropriate level.

### TYPICAL SET-UP WITH PS2

- Connect your condenser microphone (connected with XLR mic cable) to the CHANNEL 1 MIC INPUT.
- Connect your mixer/recorder/PA/amplifier to CHANNEL 1 OUTPUT at the rear panel of PS2. Alternatively, you can connect any of them to the 1/4" MIC 1 OUTPUT jack if they do not have an XLR input.
- Repeat the steps above for the second microphone by using CHANNEL 2 INPUT and OUTPUT.
- Connect the supplied AC/DC adapter to the DC input on the rear panel of PS2, and then plug the adapter into any standard AC outlet.
- Press the 48V switch to activate the PS2.
- To disconnect it, turn down the volume/channel levels all the way down, then switch the 48V off.

**TYPICAL SET-UP WITH PS2 - Continued**



**SPECIFICATIONS**

Phantom Power Voltage . . . . . 48 Volt

Mic Input. . . . . XLR Jack x 2, balanced

Mic Output . . . . . XLR Jack x 2, balanced 1/4" Jack x 1, balanced

Power Supply . . . . . 18V DC

Control Switches . . . . . 48 Volt ON / OFF

LED Indicators . . . . . Blue Light Emitting Diode when Power On

. . . . . Blue Light Emitting Diode when 48 Volt Switch On

Dimensions . . . . . 144 W x 102 D x 38 H mm

Weight . . . . . 0.274 KG



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