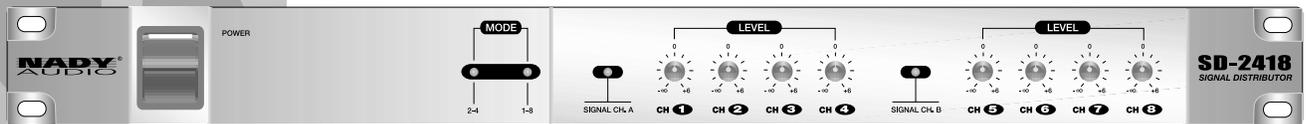


**NADY**<sup>®</sup>  
**AUDIO**

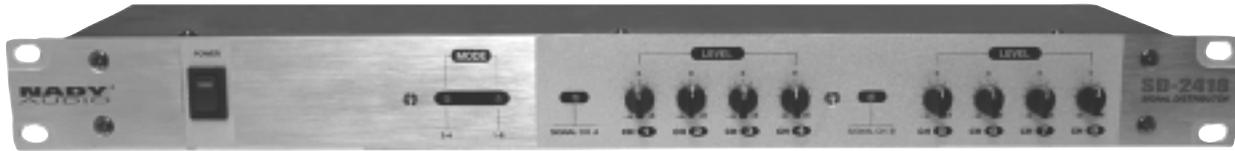
# OWNER'S MANUAL



**SD-2418**  
Signal Distributor

PRO BAK GEAR

# SD-2418 Signal Distributor



Congratulations on your choice of the SD-2418 signal distributor — you have purchased one of the finest signal distributors on the market today. This unit was developed using the expertise of professional sound engineers and working musicians. You will find that your new NADY AUDIO SD-2418 has superior performance and greater flexibility than any other signal distributors in its price range. Please read this manual carefully to get the most out of your new unit.

Thanks for selecting NADY AUDIO as your choice in audio products.

## FEATURES

- Splits balanced mono signal into 8 separate balanced mono signals or stereo pair into four separate stereo pairs
- Indispensable signal routing tool for live sound and recording applications requiring signal splitting and distribution with level matching to different equipment
- Individual gain controls (up to +6dB gain) for all 8 outputs; 2-4,1-8 split mode select switch and display; dual balanced inputs (Ch A,B) with Link outputs for optimum signal routing flexibility in hookup
- Wide dynamic range for optimum signal integrity and transparency

## CONTENTS

**FEATURES** .....2

**WARNING** .....3

**INSTALLATION**.....4

**LEGAL INFORMATION** .....4

**CONTROL AND CONNECTORS**.....5

**SPECIFICATIONS**.....6

Date of Purchase \_\_\_\_\_

Dealer's Name \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Model # \_\_\_\_\_

Serial # \_\_\_\_\_

# WARNING



An equilateral triangle enclosing a lightning flash/arrowhead symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure which may be of sufficient magnitude to constitute a risk of electric shock.



An equilateral triangle enclosing an exclamation point is intended to alert the user to the presence of important operating and service instructions in the literature enclosed with this unit.

## IMPORTANT SAFETY INSTRUCTIONS

When using this electronic device, basic precautions should always be taken, including the following:

1. Read all instructions before using the product.
2. Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, etc.).
3. This product should be used only with a cart or stand that will keep it level and stable and prevent wobbling.
4. This product, in combination with headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be positioned so that proper ventilation is maintained.
6. The product should be located away from heat sources such as radiators, heat vents, or other devices (including amplifiers) that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product. Replace the fuse only with one of the specified type, size, and correct rating.
8. The power supply cord should: (1) be undamaged, (2) never share an outlet or extension cord with other devices so that the outlet's or extension cord's power rating is exceeded, and (3) never be left plugged into the outlet when not being used for a long period of time.
9. Care should be taken so that objects do not fall into, and liquids are not spilled through, the enclosure's openings.
10. The product should be serviced by qualified service personnel if:
  - A. The power supply cord or the plug has been damaged.
  - B. Objects have fallen into, or liquid has been spilled onto the product.
  - C. The product has been exposed to rain.
  - D. The product does not appear to operate normally or exhibits a marked change in performance.
  - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond what is described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.

# INSTALLATION

To ensure years of enjoyment from your NADY AUDIO SD-2418, please read and understand this manual thoroughly before using the unit.

## INSPECTION

Your NADY AUDIO SD-2418 was carefully packed at the factory in packaging designed to protect the units in shipment. Before installing and using your unit, carefully examine the packaging and all contents for any signs of physical damage that may have occurred in transit.

*[Please note: Nady Systems is not responsible for shipping damage. If your unit is damaged, do not return to Nady, but notify your dealer and the shipping company (if shipped to you) immediately to make a claim. Such claims must be made by the consignee in a timely manner.]*

## CONTENTS

- Instruction manual
- SD-2418 (verify that the unit's serial number is same as shown on shipping carton)
- AC Power cord
- Warranty Card

## RACK MOUNTING

The SD-2418 fits into one standard 19" rack unit of space (1 3/4"). Parts of the unit can become very warm during use. This is normal during operation. Care should be taken to ensure that there is enough space around the unit for cooling (at least 12" or 30cm). Do not place the SD-2418 on high temperature devices such as power amplifiers, etc., or the unit may overheat in operation. Also, do not place the unit on speakers as this may cause them to move and/or fall due to speaker vibrations.

Although the unit's chassis is shielded against radio frequency (RF) and electromagnetic interference (EMI), extremely high fields of RF and EMI should be avoided.

## POWER CONNECTION

The SDR-260 has an internal power supply and is designed to operate from an external AC source. Power requirements for electrical equipment differ from area to area. Be sure to confirm that the voltage selected by the voltage selector switch on the bottom panel is proper for your area (120VAC/60 Hz or 230VAC/50Hz) per the information below:

Europe (except UK): 230V, 50Hz  
UK and Australia: 240V, 50Hz  
USA and Canada: 120V, 60 Hz

For other areas, please check with local authorities. When ready to operate, plug the AC cord into the power source. Make sure that the unit is turned off before connecting to the AC power source to avoid possible loud transients that can damage your speakers or your ears, especially when monitoring with headphones.

# LEGAL INFORMATION

## NOTICE

The information in this document is subject to change, as the Company may make changes to product in order to improve reliability, design, or function, without prior written notice. No part of this manual may be reproduced or transmitted in any form or by any means without the written permission of the company.

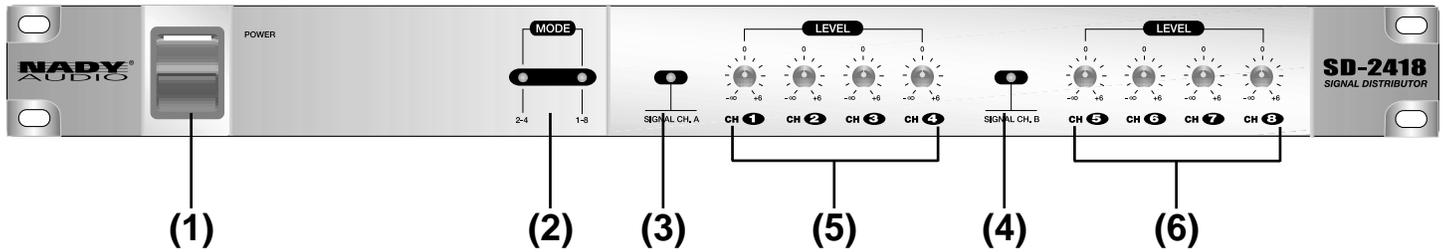
**IN NO EVENT WILL THE COMPANY BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING DIRECTLY OR INDIRECTLY, SUCH AS LOSS OF PROFIT OR GOOD WILL, THAT MAY BE SUFFERED IN CONNECTION WITH THE PURCHASE OF THIS PRODUCT OR FROM THE BREACH OF ANY REPRESENTATION OR WARRANTY.**

## LICENSE

The Company grants the customer a non-exclusive, non-transferable license to use the software, if any, accompanying this product for internal use on a single computer system. The end user may make a single copy of the software solely for backup purposes; otherwise, no copies may be made of the software or any part thereof. No other license of any kind is granted to any part of the product or any of the intellectual property therein.

# CONTROLS AND CONNECTIONS

## FRONT



### 1. POWER SWITCH

Use this switch to power unit ON or OFF. The integrated LED will light when the unit is ON. Before turning on this unit, verify connection to the proper voltage AC source, check all connections and turn down the level controls of equipment connected to the outputs.

### 2. MODE DISPLAY LED

The corresponding LED will light green to indicate whether the SD-2418 is set to Single Mode 1-8 (stereo) or Dual Mode 2-4 (stereo). In Single Mode, the signal input into Ch A is distributed to outputs 1 through 8. In Dual Mode, the signal input into Ch A is distributed to outputs 1 through 4 and a signal input into Ch B is distributed to outputs 5 through 8.

### 3. CHANNEL A SIGNAL LED

This LED lights green when an audio signal is detected at the input of Channel A. The LED will light red when the input signal is too high and causes clipping. If the LED is blinking red, turn down the volume level of the audio equipment source.

### 4. CHANNEL B SIGNAL LED

Same operation as Channel A LED

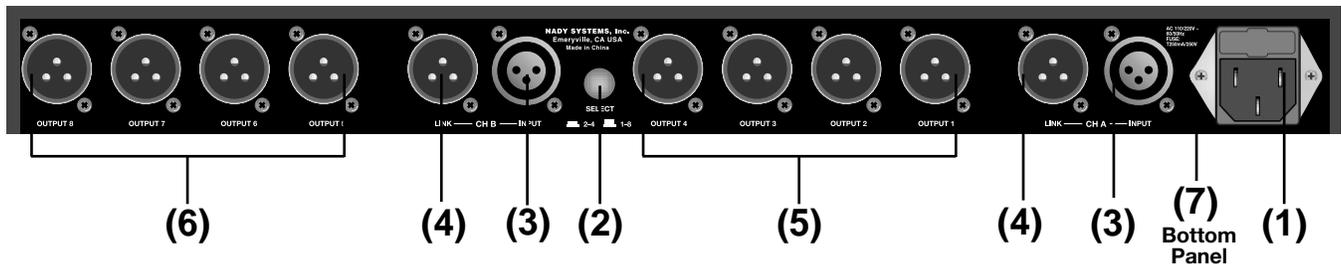
### 5. LEVEL CHANNELS (1 - 4)

Each control adjusts the Output volume of outputs 1-4 from  $-\infty$  to +6dB.

### 6. LEVEL CHANNELS (5 - 8)

Each control adjusts the Output volume of outputs 5-8 from  $-\infty$  to +6dB.

## REAR



### 1. FUSE HOLDER & POWER CORD CONNECTOR

This fuse holder contains an AC primary fuse. When this fuse blows, replace it with the same type fuse, size and power rating (see **SPECIFICATIONS**). If it continuously blows, stop replacing the fuse and refer servicing to qualified personnel. The cord connector is used to connect the AC power source to your power amplifier.

*(CAUTION: After checking the AC supply voltage, be sure that the correct fuse is in the fuse holder.)*

**CAUTION: DO NOT REMOVE THE AC PLUG CENTER GROUNDING PIN.**

### 2. SELECT SWITCH

This push button switch selects the mode of operation. When the switch is out, Single Mode 1-8 (mono) is selected. Depressing this button selects Dual Mode 2-4 (stereo).

### 3. INPUTS

Channel A and Channel B XLR balanced line level inputs.

### 4. LINK OUTPUTS

Ch. A and Ch. B XLR outputs linked in parallel with the respective input.

### 5. OUTPUT CONNECTORS (1 - 4)

Balanced XLR outputs for Ch. A signal.

### 6. OUTPUT CONNECTORS (5 - 8)

Balanced XLR outputs for Ch. A signal, when in Single Mode, and Ch. B signal when in Dual Mode.

*Note: All output signals are in-phase with the input signal.*

### 7. INPUT VOLTAGE SELECT SWITCH (BOTTOM PANEL)

Select 115V/60Hz or 230V/50Hz as appropriate for your area.

*(CAUTION: Selecting the wrong voltage can damage your unit. See also **POWER CONNECTION**, pg 4)*

# SPECIFICATIONS

<b>Frequency Response</b> .....	20Hz - 20KHz +/-3dB
<b>Total Harmonic Distortion (THD) + Noise</b> .....	< 0.03 %
<b>S/N Ratio</b> .....	> 98 dB
<b>Maximum Gain</b> .....	+6dB per channel
<b>Input Impedance</b> .....	20K $\Omega$
<b>Output Impedance</b> .....	300 $\Omega$
<b>Power</b> .....	115 VAC 60Hz / 230 VAC 50Hz
<b>Rack Space</b> .....	1u
<b>Dimensions</b> .....	19" x 1.73" x 5.9" (483 X 44 X 150mm)
<b>Weight</b> .....	5.3 lbs (2.4kg)

*The specifications above are correct at the time of printing of this manual. For improvement purposes, all specifications for this unit, including design and appearance, are subject to change without prior notice.*



## **SERVICE FOR YOUR NADY AUDIO PRODUCT**

**(U.S.)** Should your NADY AUDIO product require service, please contact the Nady Service Department via telephone at (510) 652-2411, or e-mail at [service@nady.com](mailto:service@nady.com).

**(International)** For service, please contact the NADY AUDIO distributor in your country through the dealer from whom you purchased this product.

DO NOT ATTEMPT TO SERVICE THIS UNIT  
YOURSELF AS IT CAN BE DANGEROUS  
AND WILL ALSO VOID THE WARRANTY.



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