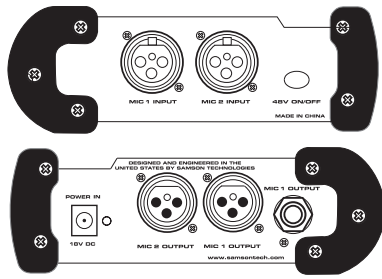


S·phantom



2-Channel Phantom Power Supply

Owners Manual

SAMSON®

S phantom Introduction and Features

Introduction

Congratulations on your purchase of the S phantom by Samson Audio! The S phantom is a two-channel, 48-volt phantom power supply capable of powering most any condenser microphones, two at a time. The S phantom is a perfect solution for applications where the use of condenser microphones is desired and the mixer, recorder, PA, or amplifier to be used does not provide phantom power on the microphone inputs. Whatever your exact situation, the S phantom will provide high quality and reliable performance thanks to its solid build construction based around the extruded aluminum chassis and oversized rubber bumper feet.

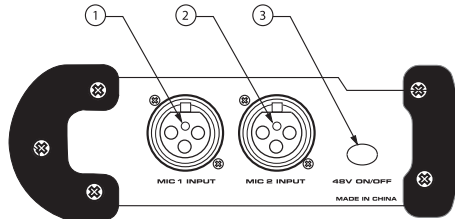
In this manual, you'll find a more detailed description of the features of the S phantom, as well as a guided tour through the front and rear panels, step-by-step instructions for using the S phantom, and full specifications. You'll also find a warranty card enclosed—please don't forget to fill it out and mail it so that you can receive online technical support and so we can send you updated information about other Samson products in the future. Also, be sure to check out our website (www.samsontech.com) for complete information about our full product line.

S Phantom Features

- Two channel, 48 volt phantom power supply for powering most condenser microphones.
- Two balanced XLR microphone inputs.
- Two balanced XLR microphone outputs.
- Convenient 1/4-inch phone jack output for Mic 1, for easy hook-up to many personal recorders without XLR inputs.
- Large rubber bumper feet.
- 18 Volt DC adapter included.
- Three year extended warranty.

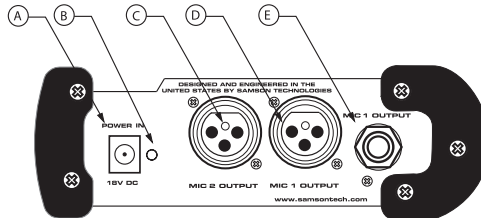
S phantom Front and Rear Panel Layout

Front Panel Layout



- 1 MIC 1 INPUT** - XLR balanced input for connecting condenser microphone.
- 2 MIC 2 INPUT** - XLR balanced input for connecting condenser microphone.
- 3 48V ON/OFF switch** - When pressed in, the LED illuminates indicating the phantom power is on.

Rear Panel Layout



- A DC POWER INPUT** - Connect the supplied power adapter here.
- B POWER ON LED** - The red LED illuminates when the unit is powered on.
- C MIC 2 OUTPUT** - XLR balanced microphone output.
- D MIC 1 OUTPUT** - XLR balanced microphone output.
- E MIC 1 OUTPUT** - 1/4-inch balanced connector for Mic 1 Output.

Operating the S Phantom

Setting Up the S phantom

The basic procedure for setting up and using your S phantom is simple and takes only a few minutes. Remove all packing materials (save them in case of need for future service) and check to make sure that you remove the supplied DC power adapter.

Warning: *Be sure to turn down the channel and master volumes of your mixer, PA or recorder BEFORE connecting or disconnecting your microphone cables. All phantom power supplies, including the S phantom, will make a loud pop when a microphone is connecting or disconnected during operation. Depending on the level of your system, the pop can damage your speakers or if you're wearing headphones, the pop may EVEN DAMAGE YOUR EARS! So be careful and be sure to turn down the volume of your mic channel, other inputs and master volumes before plugging or unplugging any mic cables while the S phantom is powered on.*

- Using a standard XLR microphone cable, connect the output of your condenser microphone to the S phantom's CHANNEL 1 INPUT.
- Using a second mic cable, connect the CHANNEL 1 OUTPUT of the S phantom to the microphone input of the mixer, recorder, PA or amplifier you wish to connect your condenser microphone to. If your recorder or mixer does not have an XLR input you can use the 1/4-inch MIC 1 Output.

Note: *There are several different input connectors that may be on your mixer or recorder, but they will more than likely be either XLR or 1/4-inch phone. For a detailed wiring diagram see page 7 of this manual.*

- Repeat the steps above for the second microphone using the CHANNEL 2 INPUTS and OUTPUTS.
- Plug the included DC adapter into the power outlet. *Be sure to pay attention and confirm the adapter is the correct voltage for your country. See specifications printed on the AC adapter.*
- Press the 48V switch in to activate the phantom power.

Operating the S Phantom

Disconnecting the S phantom

Follow the steps below for disconnecting your system.

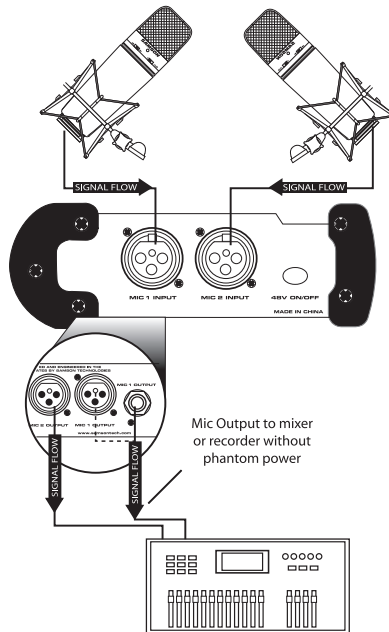
- Lower the level controls, to the off position, for the input channels that have the S phantom connected.
- Lower your master volume level control.
- Now, power-down the S phantom supply by removing the AC adapter.

Typical Set-up

The diagram on the right shows a typical set-up for a project recording studio using the S phantom to connect two condenser microphones to a personal hard disk recorder that does not provide phantom power.

Note: You can use either the XLR or 1/4-inch phone jack output for Mic 1 as depicted in the illustration by the dotted line.

For additional functionality, the S phantom can be used as a one-to-two mic splitter using the Mic1 XLR and 1/4-inch Outputs.

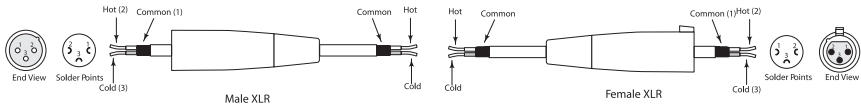


S phantom Wiring Guide

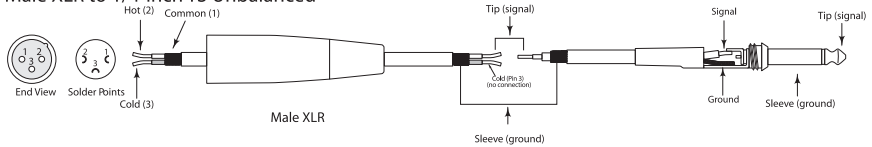
Wiring Guide

There are several ways to interface the S phantom, depending on your exact set-up. Follow the cable diagrams below for connecting your gear.

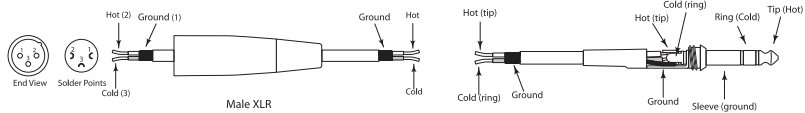
Standard Male XLR to Female XLR Balanced Mic Cable



Male XLR to 1/4-inch TS Unbalanced



Male XLR to 1/4-inch TRS Balanced



S phantom Specifications

Phantom Power Voltage	48 Volt
Connectors	
Mic One Input	XLR Balanced (PIN 1 GND, PIN 2 HOT, PIN 3 COLD)
Mic Two Input	XLR Balanced (PIN 1 GND, PIN 2 HOT, PIN 3 COLD)
Mic One Output	XLR Balanced (PIN 1 GND, PIN 2 HOT, PIN 3 COLD)
Mic One Output	1/4-inch Phone Balanced
Mic Two Output	XLR Balanced (PIN 1 GND, PIN 2 HOT, PIN 3 COLD)
Control Switches	
48 Volt	ON / OFF
Indicators	
Power On	Red Light Emitting Diode
Phantom On	Red Light Emitting Diode in 48 Volt switch
Power	18 VDC adapter (included)
Dimensions	5.65" L x 4.13" W x 2" H (144mm L x 105mm W x 51mm H)
Weight	16.5 oz., 419 gm.

Specifications are subject to change without notice.

S phantom - Caractéristiques techniques

Tension d'alimentation fantôme	48 V
Connecteurs	
Entrée Mic 1	XLR symétrique (Broche 1 : Masse, Broche 2 : Plus, Broche 3 : Moins)
Entrée Mic 2	XLR symétrique (Broche 1 : Masse, Broche 2 : Plus, Broche 3 : Moins)
Sortie Mic 1	XLR symétrique (Broche 1 : Masse, Broche 2 : Plus, Broche 3 : Moins)
Sortie Mic 1	Jack 6,35 mm symétrique
Sortie Mic 2	XLR symétrique (Broche 1 : Masse, Broche 2 : Plus, Broche 3 : Moins)
Touche	
48 Volt	ON/OFF
Témoins	
Mise sous tension	Led rouge
Activation de l'alimentation fantôme	Led rouge (touche 48 Volt)
Alimentation	Adaptateur secteur 18 Vcc (fourni)
Dimensions	144 mm (L) x 105 mm (P) x 51 mm (H)
Poids	419 g

Les caractéristiques peuvent être modifiées à tout moment sans préavis.