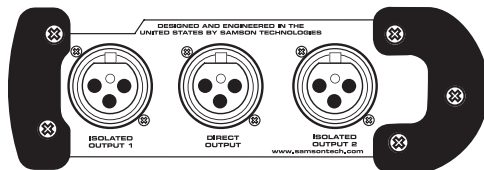
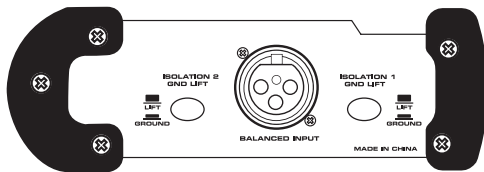


# S·split



One by Three Microphone Splitter

**Owners Manual**

**SAMSON**<sup>®</sup>  
A U D I O

# Table Of Contents

<b>Introduction and Features</b>	<b>3</b>
<b>Front and Rear Panel Layout</b>	<b>4</b>
<b>Operating the S split</b>	
<b>Setting Up the S split</b>	<b>5</b>
<b>Typical Set-up</b>	<b>6</b>
<b>Wiring Guide</b>	<b>7</b>
<b>Specifications</b>	<b>8</b>

Copyright 2003, Samson Technologies Corp.

Printed June 2003

Samson Technologies Corp.  
575 Underhill Blvd.  
P.O. Box 9031  
Syosset, NY 11791-9031  
Phone: 1-800-3-SAMSON (1-800-372-6766)  
Fax: 516-364-3888  
[www.samsontech.com](http://www.samsontech.com)

# S split Introduction and Features

## Introduction

Congratulations on your purchase of the S split by Samson Audio! The S split is a one-by-three microphone splitter featuring a direct microphone through output, along with two transformer isolated microphone outputs. The S split is a perfect solution for applications where three sends from the same microphone are needed such as with a live recording situation where a second feed is needed for connecting to a monitor mix console, and a third to connect to a mic pre or recording console. Whatever your exact situation, the S split will provide high quality and reliable performance thanks to its solid build construction based around the extruded aluminum chassis and oversized rubber bumper feet.

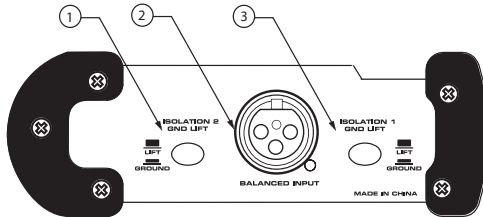
In this manual, you'll find a more detailed description of the features of the S split, as well as a guided tour through the front and rear panels, step-by-step instructions for using the S split, and full specifications. You'll also find a warranty card enclosed—please don't forget to fill it out and 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.

## S Split Features

- One input by three output microphone/line splitter.
- 1 balanced XLR microphone input.
- 1 balanced direct output.
- 2 balanced transformer isolated outputs.
- Ground-lift switches for the two transformer isolated outputs.
- Large rubber bumper feet.
- Three year extended warranty.

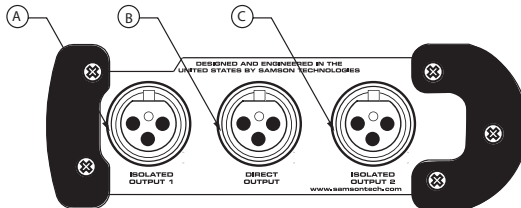
# S split Front and Rear Panel Layout

## Front Panel Layout



- 1 ISOLATION 2 GND LIFT** - When engaged the ground from the Isolated Mic Output 2 is disconnected.
- 2 BALANCED INPUT** - XLR balanced, transformer isolated microphone input for connecting the first microphone.
- 3 ISOLATION 1 GND LIFT** - When engaged the ground from the Isolated Mic Output 2 is disconnected.

## Rear Panel Layout



- A DIRECT OUTPUT** - XLR balanced connector output carrying the direct signal from the Microphone input.
- B ISOLATED OUTPUT 1** - XLR balanced connector output carrying the transformer isolated signal from the Microphone input.
- C ISOLATED OUTPUT 2** - XLR balanced connector output carrying the transformer isolated signal from the Microphone input.

# Operating the S split

## Setting Up the S split

The basic procedure for setting up and using your S split is simple and takes only a few minutes. Remove all packing materials (save them in case of need for future service).

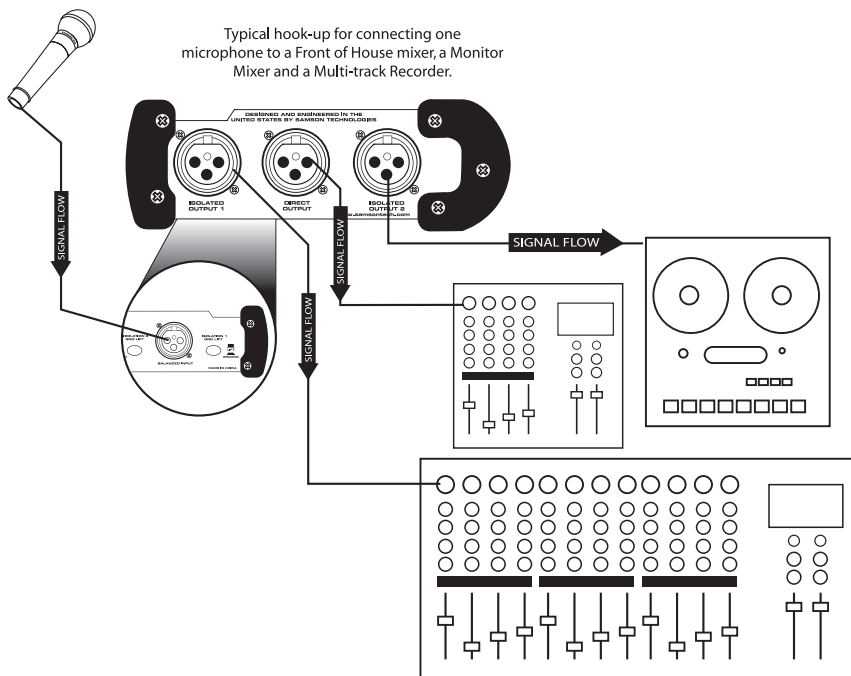
There are many different ways to use the S split, however the basic connection is the same in most installations and applications. The following example details the connection for a microphone to a main PA mixer and also, to a separate monitor mixer, and a recording console. Follow these simple steps to get connected.

- Using a standard XLR microphone cable, connect the your mic to the S split's BALANCED INPUT.
- Using another standard mic cable, connect the DIRECT OUTPUT to the main PA mixer or stage box.
- Now, using another standard mic cable, connect the ISOLATED OUTPUT 1 to the recording or monitor mix console.
- Finally, using another standard mic cable, connect the ISOLATED OUTPUT 2 to the recording or monitor mix console.

# Operating the S split

## Typical Set-up

The diagram below shows a typical set-up for live sound and recording, where the signal from one microphone is split and sent to a recorder (with mic-pre input), a monitor mixer and to the main front-of-house mixer.

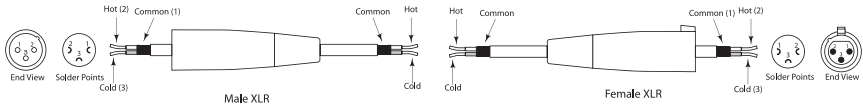


# S split Wiring Guide

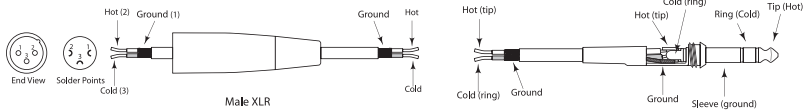
## Wiring Guide

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

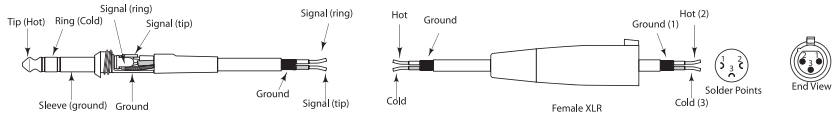
### XLR to XLR - Balanced



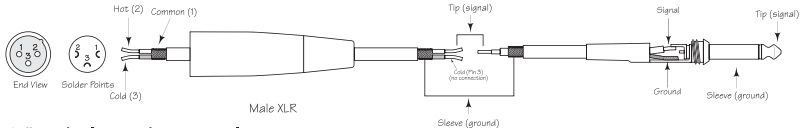
### Male XLR to 1/4" Phone TRS - Balanced



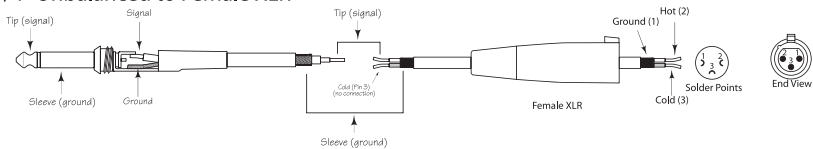
### 1/4" TRS Phone to Female XLR - Balanced



### Male XLR to 1/4" Unbalanced



### 1/4" Unbalanced to Female XLR



## S split Specifications

Frequency Response	10 Hz to 30kHz +/-3dB
Noise Level	-110 dBu
Maximum Output Level	Bal: +18 dBu
Max Input Level	Bal: +22 dBu
Input Impedance	
Output Impedance	XLR: 10k Ohm
THD	XLR: 100 Ohm balanced .003% Max
Noise Floor	<-90 dBu
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.

Samson Technologies Corp.  
575 Underhill Blvd.  
P.O. Box 9031  
Syosset, NY 11791-9031  
Phone: 1-800-3-SAMSON (1-800-372-6766)  
Fax: 516-364-3888  
[www.samsontech.com](http://www.samsontech.com)