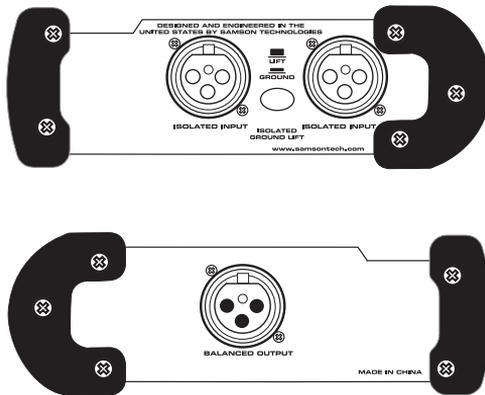


S·combine



Two by One Microphone Combiner

Owners Manual

SAMSON[®]
A U D I O

Table Of Contents

Introduction and Features	3
Front and Rear Panel Layout	4
Operating the S combine	
Setting up the S combine	5
Typical Set-up	6
Wiring Guide	7
Specifications	8

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

^A **K-TEAM**
PRODUCTION

S combine Introduction and Features

Introduction

Congratulations on your purchase of the S combine by Samson Audio! The S combine is a two-to-one microphone combiner ideal for any situation where an extra microphone input is needed. The S combine is a perfect solution for live sound applications, as well as, fixed installations like schools, hotel meeting rooms and houses of worship. You can use your S combine anytime two microphone inputs are needed and only one is available. Whatever your situation, the S combine will provide high quality and reliable performance thanks to its solid build construction based around the extruded aluminum chassis and oversized rubber bumper feet.

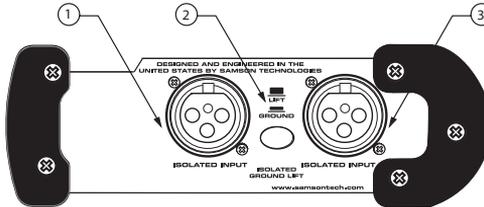
In this manual, you'll find a more detailed description of the features of the S combine, as well as a guided tour through the front and rear panels, step-by-step instructions for using the S combine, and full specifications. You'll also find a warranty card enclosed—please don't forget to fill it out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

- Two inputs by one output microphone combiner.
- 2 balanced XLR microphone inputs.
- 1 balanced XLR microphone output.
- Ground lift switch for transformer isolated microphone input.
- Large rubber bumper feet.
- Three year extended warranty.

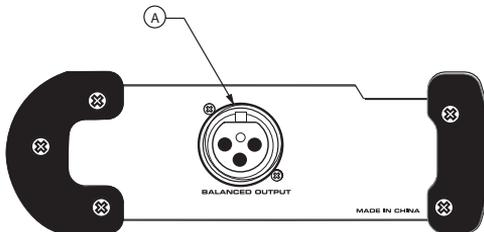
S combine Front and Rear Panel Layout

Front Panel Layout



- 1 ISOLATED INPUT-** XLR balanced, transformer isolated microphone input for connecting the first microphone.
- 2 ISOLATED GROUND LIFT-** When engaged, the ground from the Isolated Mic Input is disconnected.
- 3 DIRECT INPUT-** XLR balanced microphone input for connecting the second microphone.

Rear Panel Layout



- A BALANCED OUTPUT-** XLR balanced connector outputs carrying the summed signal from Microphone 1 and 2.

Operating the S combine

Setting Up the S combine

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

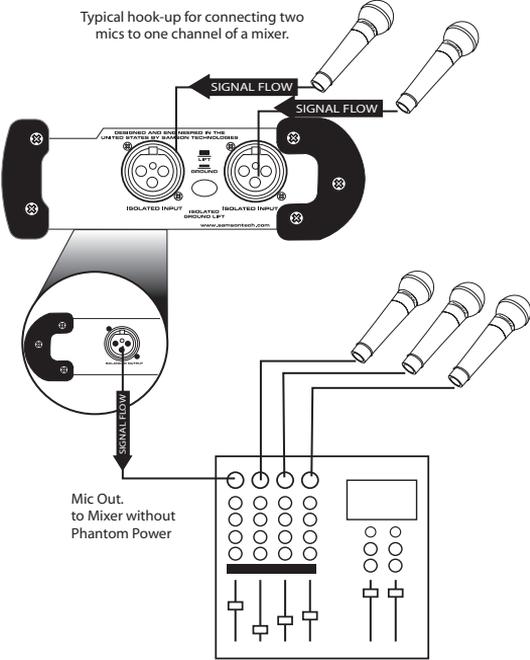
There are many different ways to use the S combine, however the basic connection is the same in most installations and applications. The following example details the connection for two microphones to a main PA mixer. Follow these simple steps to get connected.

- Using a standard XLR microphone cable, connect both mics to the S combine MIC INPUTS.
- Using another standard mic cable, connect the BAL. OUT. 1 to the main PA mixer or stage box.

Operating the S combine

Typical Set-up

The diagram below shows a typical set-up for a project recording studio using the S combine to mix two microphones into one microphone input.

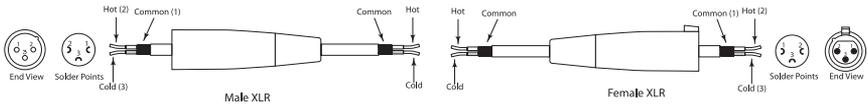


S combine Wiring Guide

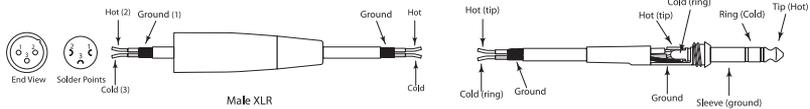
Wiring Guide

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

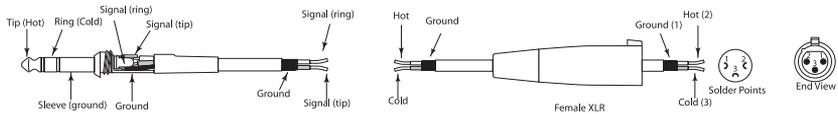
XLR to XLR - Balanced



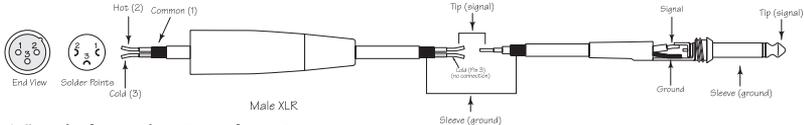
Male XLR to 1/4" Phone TRS - Balanced



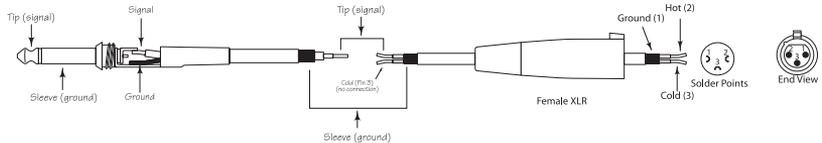
1/4" TRS Phone to Female XLR - Balanced



Male XLR to 1/4" Unbalanced



1/4" Unbalanced to Female XLR



S combine 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	XLR: 10k Ohm
Output Impedance	XLR: 100 Ohm balanced
THD	.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