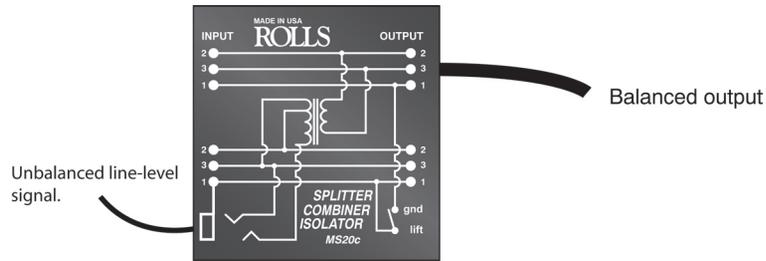


ROLLS

MS20c Splitter Combiner Isolator

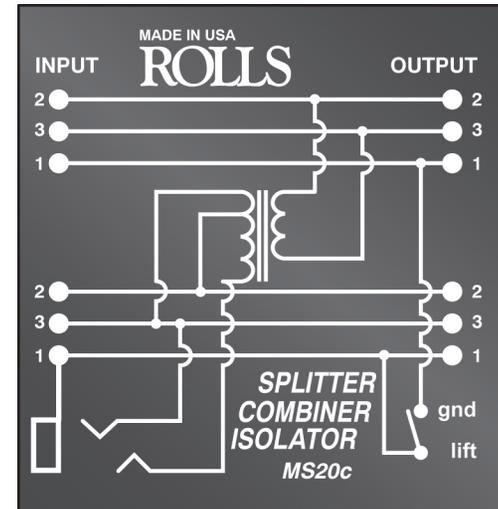
MS20c 1/8" (3.5mm) jack



- The MS20c 1/8" (3.5mm) Input is a balanced TRS input. This Input, however, may be connected to an unbalanced signal source (Tip-Sleeve) such as a mixer output or line-level instrument output, and the MS20c balanced outputs connected to a snake or mixer's balanced input. NOTE: The Ring of the 1/8" jack MUST be connected to the Sleeve, and the bottom XLR Output jack will have its pin 3 grounded.
- The 1/8" jack may also be used as an unbalanced output. Connect a balanced signal to the top XLR Input, the 1/8" jack may be connected via a Tip-Sleeve jack to an unbalanced input.
- By referring to the diagram on the top of the MS20c, you can identify the signal and grounding paths for all the jacks.

MS20b Splitter Combiner Isolator

- Splits balanced XLR input, or 1/8" input to two balanced XLR outputs
 - Combines two balanced XLR signals to one XLR output.
- NOTE: Will only pass phantom power to one microphone.
- One signal is transformer isolated from the other.
 - Ground Lift switch for noise elimination



ROLLS
Rolls Corporation
Salt Lake City, UT
4/06



OWNERS MANUAL

Thank you for your purchase of the MS20c Splitter, Combiner, and balanced signal Isolator.

This versatile unit will split a single balanced XLR signal into two isolated signals, combine two balanced XLR signals, along with a 1/8" (3.5mm) TRS signal together into a single output, or simply isolate a balanced line for buzz or hum elimination.

INSPECTION

1. Unpack and Inspect the MS20c package
Your MS20c was carefully packed at the factory in a protective carton. Nonetheless, be sure to examine the unit and the carton for any signs of damage that may have occurred during shipping. If obvious physical damage is noticed, contact the carrier immediately to make a damage claim. We suggest saving the shipping carton and packing materials for safely transporting the unit in the future.

2. For warranty information, visit our website at www.rolls.com, and click on the REGISTER YOUR WARRANTY HERE text. If you are unable to register online, please complete the Warranty Registration Card and return it to the factory.

DESCRIPTION

INPUT: 2 Female XLR jacks, and 1 1/8" (3.5mm) TRS jack for connection to the microphone or other signals to be split/combined.

IMPORTANT NOTICE: THE 1/8" JACK IS NOT A STEREO INPUT, IT IS A BALANCED INPUT. PLUGGING A STEREO SIGNAL INTO THIS JACK WILL RESULT IN A DIMINISHED OUTPUT LEVEL.

OUTPUT: 2 Male XLR jacks for connection to a mixing console or signal processing devices.

GROUND LIFT: Switch when in "GROUND" position, indicates that pins 1 of the INPUT and OUTPUT jacks are connected. In the "LIFT" position, the ground pins have been separated.

SPECIFICATIONS

Input Impedance:	XLR: 600 Ω 1/8" (3.5mm): 10K Ω
Output Impedance:	600 Ω
Frequency Response:	35 Hz - 20 kHz
Max Level:	+26 dBm
Dimensions:	3 x 2.25 x 1.2 inches
Weight:	10 Ounces

OPERATION

Shown below are some examples of how to connect your MS20c.

