

whirlwind

AUDIO SPLITTERS

SPLIT 6 LINE LEVEL PARALLEL SPLITTER



[Click here for larger picture](#)

Use this handy box when you need to split a line level signal up to 6 times*. Features 1 female XLR input wired to 6 male XLR outputs. Perfect when adding extra amplifiers to a system, connecting multiple powered speakers, splitting intercom lines, etc.

*Line level outputs can usually be split 6 times without noticeable loss of signal quality. The actual number of splits that can be accomplished depends on the level of the source signal and the impedances of the source and destinations in a particular application. It is not recommended that the SPLIT 6 be used to split a microphone level signal to more than two outputs. Attempting to do so may result in poor frequency response and reduced signal level. The SPLIT 6 may be used to split microphone level signals in most applications if this limit is observed. For more information, please refer to tech article "[High and Low Impedance](#)".

SB SERIES MULTICHANNEL PASSIVE MIC SPLITTERS

Whirlwind SB Series multichannel microphone splitters provide a convenient method of splitting multiple microphone signals to two locations.

Each channel has a Whirlwind WC3F female XLR input connector wired to two Whirlwind WC3M male XLR outputs - available with either two direct outputs or one direct and one transformer isolated output. These can be ordered with ground lift switches on one output.

The boxes are built from heavy cold-rolled steel for long term abuse-resistance.

WHEN WILL I NEED A SPLITTER?

As your sound system expands, it will eventually be necessary to provide additional mixes from locations other than the main mix position. Although it's possible to provide a separate monitor mix from the main console, a person located nearer to the performance area can hear what the performers hear, see their cues more easily and just generally be able to provide a better monitor mix. Or you may be called upon to provide a separate mix for recording or broadcasting your performances. That mix will be at its best if the person providing it is isolated from the confusion of hearing the live sound. In any event, you'll most likely need to split your mic signals and feed more than one mixing console.

Read more about splitters in our tech article [Microphone Splitters](#).



SB16T11G

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Catalog Number
SB 1 2 3
Match number to chart

NUMBER OF INPUTS

- | | |
|----------|-----------------------|
| 1 | 6 - 6 inputs |
| | 8 - 8 inputs |
| | 12 - 12 inputs |
| | 16 - 16 inputs |
| | 20 - 20 inputs |
| | 24 - 24 inputs |

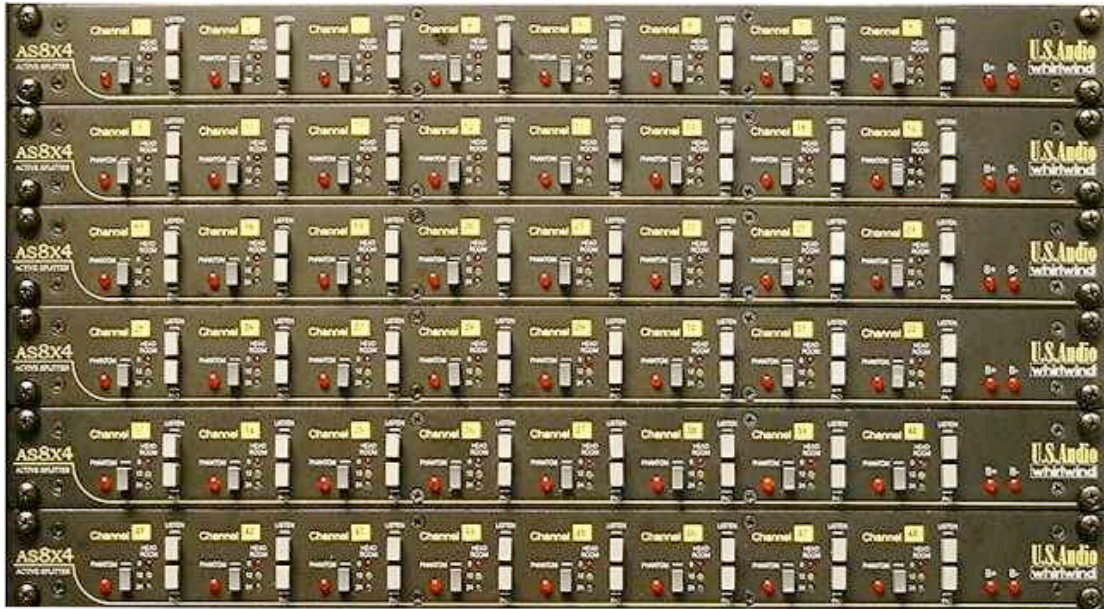
TYPE OF SPLIT

- | | |
|----------|--|
| 2 | P - 2 parallel outputs |
| | T1 - 1 parallel and 1 isolated output |

GROUND LIFTS

- | | |
|----------|---|
| 3 | Leave blank - no ground lift switch |
| | 1G - Ground lift switch provided - lifts split output only |

AS8X4
ACTIVE SPLITTER



The Whirlwind AS8X4 microphone splitting system provides a new level of versatility for systems requiring 5-way mic splitting for as few as 8 or as many as 80 channels.

This system is based on rack mount modules, each having the capability of splitting 8 mic channels to 1 direct (passive) and 4 active destinations. A pair of high quality Lundahl transformers (Sweden) on each channel provide superior noise rejection and balancing making this unit the ideal choice in applications where extremely long cable runs are required.



Each channel features push-buttons for engaging a 20dB input pad, 48V phantom power and a button for placing the channel into "listen" mode which adds it to a headphone monitoring buss. A three step LED monitors available headroom.

All audio connections are made via Phoenix terminal strips for easy, solderless, on site termination. Internal dip switches are provided for each channel which set ground lift status and provide 20dB, 30dB or 40dB of gain boost.

Four power supplies are available, configured with the appropriate Wattage for the number of AS8X4 units required. The AS8P4 and AS8P6 include the audio monitoring electronics, the AS8P10 is two-piece with a 2 RU rack enclosure for the audio monitoring and a separate 8 RU rack enclosure containing the PSU.



(An audio monitoring section is integrated into the AS8PS1 (pictured), AS8PS4 and AS8PS6. It is a separate 2 RU unit included with the AS8PS10.)

AS8PS1 - Powers a single AS8X4 unit, 2 RU

AS8PS4 - Powers up to 4 AS8X4 units, 4 RU

AS8PS6 - Powers up to 6 AS8X4 units, 6 RU

AS8PS10 - Powers up to 10 AS8X4 units, 2 RU, (Monitor) + 8 RU (PSU)

SPC82 SPC83 RACK MOUNT SPLITTER



Front view, SPC82

[\(Larger photo here.\)](#)

The Whirlwind SPC8x series of passive microphone splitters are the ideal, expandable solution for permanent installations.

Each unit provides 8 channels of mic level splitting circuitry in a single rack space unit. Depth is 7.5" including tie bar.

The SPC82 and SPC82P provide one direct and one transformer isolated output per channel, the SPC83 and SPC83P provide one direct and two isolated outputs per channel. Whirlwind transformers are used throughout. They are available with Jensen transformers, add "JT" to the model number. SPC83 and SPC83P are available with premium Lundahl transformers, add "LUNT" to the model number.

Units are also available in line level versions SPC82L and SPC83L.

The SPC82P and SPC83P feature rear terminal connections for injecting phantom power at the splitter with the optional [Whirlwind DCSP1](#) (replaces PS48) external phantom power supply. Phantom power is blocked from the splitter's outputs, including the direct out.

Therefore, with the "P" versions, PHANTOM POWER WILL NOT PASS THROUGH THE SPLITTER FROM YOUR MIXING CONSOLE. Use the SPC82 or SPC83 model when you will be providing phantom power from the mixing console and NOT from an external power supply.

A loop through feature on the phantom connection allows a single DCSP1 to provide phantom power to multiple units, limited only by total current draw of up to 500mA.



Rear view, SPC82

[\(Larger photo here.\)](#)

All connections are made via removable Phoenix style connectors - cable end connectors are included.

A set of dip switches is provided for each ISO output for lifting the ground connection between input and ISO output.

Rear tie-bar is provided for attaching cables securely to avoid accidental disconnects.

Model	Description
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SPC82	1-direct and 1-isolated output, passes phantom power from direct in to direct out.
SPC82P	1-direct and 1-isolated output, phantom power is blocked from direct in to direct out.
SPC82JT	1-direct and 1-isolated output with Jensen transformer, passes phantom power from direct in to direct out.
SPC82PJT	1-direct and 1-isolated output with Jensen transformer, phantom power is blocked from direct in to direct out.
SPC82L	Line level version, 1-direct and 1-isolated output.
SPC83	1-direct and 2-isolated outputs, passes phantom power from direct in to direct out.
SPC83P	1-direct and 2-isolated outputs, phantom power is blocked from direct in to direct out.
SPC83JT	1-direct and 2-isolated outputs with Jensen transformer, passes phantom power from direct in to direct out.
SPC83PJT	1-direct and 2-isolated outputs with Jensen transformer, phantom power is blocked from direct in to direct out.
SPC83LUNT	1-direct and 2-isolated outputs with Lundahl transformer, passes phantom power from direct in to direct out.
SPC83PLUNT	1-direct and 2-isolated outputs with Lundahl transformer, phantom power is blocked from direct in to direct out.
SPC83L	Line level version, 1-direct and 2-isolated outputs. Transformer's split secondary results in a 6 dB drop in signal at each isolated output.

DCSP1 (Replaces PS48) PHANTOM POWER SUPPLY



The DCSP1 is a regulated low-noise 48VDC power supply that can deliver up to 500mA. Each DCSP1 provides power for approximately 96 microphones when used with the SPC series splitters.

SPLITTER-L (SP1X3LUNT) PREMIUM MIC SPLITTER w/ LUNDAHL TRANSFORMER



This is mic splitter box to use when the widest frequency response and lowest noise are a must.

The SPLITTER-L utilizes the Lundahl LL1581XL mic transformer - the same transformer used in our very best Custom Shop [Super Concert](#) splitters. The SPLITTER-L provides one direct and two transformer isolated outputs from one mic level input.

A 20dB input pad button is provided to reduce hot signals and each isolated output features a ground lift button.

CMRR @ 20kHz: greater than 60dB
Frequency Response: 10Hz-100kHz \pm .5dB

Model # - SP1X3LUNT



SP1X2 AND SP1X3 MIC SPLITTERS



[Click Here For Larger Picture](#)



[Click Here For Larger Picture](#)

The SP1X2 and SP1X3 provide one direct and one or two transformer isolated outputs, respectively, from a mic level input.*

The SP1X2 provides one direct and one isolated output while the SP1X3 provides one direct and two isolated outputs.

Each transformer isolated output on these devices features a ground lift switch.

Operating Level: -50dB to +4dB
Frequency Response: 20Hz-20kHz ±1dB

*(The SP1X3 is also available in a line level version,
SP1X3LL)

MLTSP1X2 AND MLTSP1X3 MULTISPLITS



[Click Here For Larger Picture](#)



[Click Here For Larger Picture](#)



[Click Here For Larger Picture](#)



[Click Here For Larger Picture](#)

Four channels of passive and isolated microphone splitting in a single space rack panel.

Ideal for splitting and isolating mic level sends to a video truck or a remote broadcast, the 1U MLTSP1X2 and MLTSP1X3

provide one direct and one or two transformer isolated outputs per channel respectively.

Each isolated output has a front panel ground lift switch. The inputs (female XLR) are located on the front panel and outputs (male XLR) are located on the rear panel.

Operating Level: -50dB to +4dBu
Frequency Response: 20Hz-20kHz \pm 1dB
Outputs: MLTSP1X2: 1 direct, 1 isolated / MLTSP1X3: 1 direct, 2 isolated

LBS LINE BALANCER/SPLITTER



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This handy tool balances and isolates a single line level signal or lets you send a line level signal to two destinations with transformer balancing and isolation for one or both of the outputs. The balancing provides superior noise rejection when you have equipment with unbalanced outputs that need to feed equipment with balanced inputs. The transformer isolation helps eliminate unwanted hum and buzz caused by power line and grounding issues.

In ISO mode the signal is passed directly through to one output and transformer isolated to the second output.

In SPLIT mode the signal is transformer isolated to both outputs with a resulting 6dB drop in level at each output.

A ground lift switch is provided for each output.

Both a female XLR and a 1/4" TRS jack are provided for the input signal. Male XLR connectors are used for the output signals.

Also available in a 2-channel iso/balancer unit (without splitting) for stereo applications. See the [ISO-2](#).

Operating Level:
Input: -10dBm to +26dBm
Output: -10dBm to +26dBm (ISO mode), -16dBm to +20dBm (SPLIT mode)
Frequency Response: 20Hz-20kHz \pm 1dB

HBB HEADPHONE BREAKOUT BOX



[Click Here For Larger Picture](#)

Sometimes you won't have a separate amp channel available for every headphone you need to drive.

Our passive headphone breakout box divides a standard power amplifier output to feed 6 separate headphone outputs.

A resistor divider network protects your amp and helps compensate for differences in brands and models of headphones.

Multiple boxes can be daisy-chained together with Whirlwind ST Series cables if more outputs are needed.