

Transformer Isolated Microphone Splitters



The Cure for A Splitting Headache

It is quite common to require microphone signals to be split to send the same signal feed to more than one location. Perhaps the signal needs to appear at the front of house mixing console and at the monitor mix position and maybe at a recording console for live recording or broadcast. A transformer isolated microphone splitter is the best way to ensure that the microphone signal is the same at each location and that the signal isn't downgraded due to constant "Y" splitting. High performance transformer isolation also protects each output from any problem that may occur on any of the other signal splits.

A Healthy Heart

The heart of the Microphone Splitter is the isolation transformer. The precision of this transformer directly affects the final quality of the microphone signal being split. Wireworks uses only genuine Jensen transformers which are recognized around the world as the very best microphone level transformers available. Jensen transformers, coupled with Wireworks characteristic

attention to design and manufacturing detail, allow you to enjoy purity of sound from your splitter to satisfy the most demanding user.

Wireworks Transformer Isolated Microphone Splitters are a complete line of stand-alone splitter units for all microphone signals. They provide the way to safely split the signal to 2, 3 or 4 different inputs without signal degradation. Stage box or rack mount splitters provide a range of input and output connector choices. Single channel splitters are also available in handy self-contained units.

Not only will Wireworks Microphone Splitters integrate into an existing system with ease, but they can be readily used with Wireworks MultiChannel Components Group to provide a purpose designed cabling system which will serve in very basic systems and those of remarkable complexity! For nearly 40 years Wireworks has been able to meet and exceed the variety of splitting options required by the most discerning system designers of broadcast, live performance, recording, audio and audio/video cabling applications.

Transformer Isolated Microphone Splitters

- Only genuine Jensen Transformers are used throughout
- Available with 1, 2 or 3 isolated outputs in addition to one direct output
- Ability to pass phantom power through the direct output
- Convenient, tough housings to provide protection and longevity
- Passive component design does not require AC power and

increases system reliability

- Some models include ground lift switches for each channel
- Integrated Splitters are fully compatible with Wireworks Microphone MultiChannel Components Group and available in 3, 6, 9, 12, 15, 19, 27, 36 and 50 channels
- XLR Rack mount Splitters and Integrated Splitters are easily available with custom configurations to order

The Art of Transformer Microphone Splitting

Wireworks Transformer Isolated Microphone Splitters, highly specialized termination components featuring genuine Jensen Transformers, provide uncompromising performance in critical applications and are available in models offering one, two, or three isolated outputs.

Each microphone channel features a 1:1, 1:1:1, or 1:1:1:1 turns ratio bridging transformer with a single primary, and one, two, or three secondary windings. These transformers also maintain multiple separate Faraday shields and reject common mode noise caused by the voltage differences between the chassis of the multiple mixers. Phantom power provided by the mixer passes through the direct output. Each microphone input on both box and rack type models is equipped with a ground lift switch.

RS Series XLR Rack Mounted



Wireworks RS Series - Multi-Channel XLR Microphone Splitters - are designed for mounting in standard 19" EIA racks.

All the input and output connectors are Neutrik XLRs and are all front mounted. This gives the advantage of easy plugging and clear channel identification at each connector. The rack mount design allows for convenient placement when in use and easy and safe transportation. With XLR connectors at both the inputs and outputs, integration into existing systems is simple.

Rack Mounted XLR Microphone Splitters are available in standard formats with 8, 12, 16 and 24 channels. Ground lift switches are provided on each channel. Other configurations are available to order.

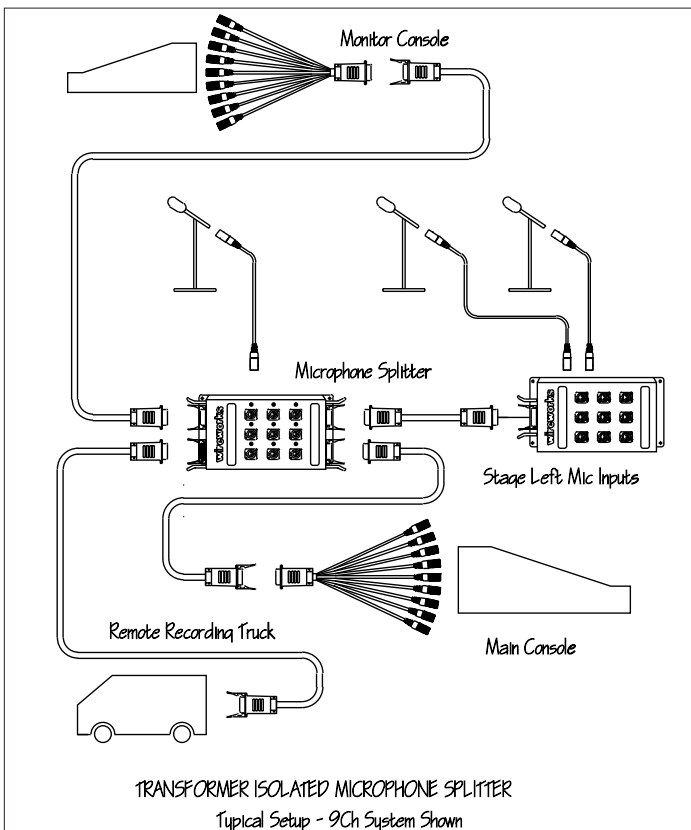
Integrated XLR Input & MultiPin Outputs



MSB Series splitters are housed in Wireworks heavy duty MultiBoxes for on stage use or for wall mounting.

MSR Series splitters are housed in standard 19" EIA rack mount chassis for simple storage and transportation.

MSB and MSR Series of microphone splitters are both available in all of Wireworks standard multi-channel sizes. This makes them ideal for easy integration into systems



using Wireworks Microphone MultiChannel Components Group line of products or into a newly designed system where convenient and easily adaptable re-configuration will be a feature.

Integrated MultiPin Input & Output

Wireworks Multipin Input Transformer Isolated Microphone Splitters offer the highest quality transformer splitting available today.



The MSC series of microphone splitters offer all multipin inputs and outputs.

The unique multipin configuration allows for easy splitter repositioning. The result is the ultimate in flexibility of your multichannel cabling system and the most versatility available.

MSC Series Microphone Splitters can be repositioned or placed off-stage with a simple cabling configuration change. This repositioning can decrease the length and number of cable runs required resulting in substantial cost savings for you and a significant increase in system versatility.

Multipin Input Splitters are available in all the Microphone MultiChannel Components Group channel sizes (3, 6, 9, 12, 15, 19, 27, 36 and 50). Like their XLR input counterparts, they are configured with 1, 2, or 3 transformer isolated outputs in addition to 1 direct output.

T Series Single Channel Splitters

T-Series - Single Channel Microphone Splitters are housed



in a unique single piece extruded chassis and are designed to be used wherever a single microphone

signal must be fed to more than one input. The heavy duty housing is engineered to protect the connectors and switches from accidental damage whether on the road or in other mobile or studio situations. Additionally, up to 10 T-Series microphone splitters can be mounted in the convenient rack mount (TRA-10) using only 3 rack spaces.

Wireworks T-Series Transformer Isolated Microphone Splitters are compact, uniquely packaged, and easy to use.

These innovative splitters are available in three models, offering one, two, or three isolated outputs for use in stage monitoring, remote recording, and broadcast applications.

Each T-Series splitter is equipped with two switches, one to lift the ground to the isolated output(s) and the other to lift the chassis ground from the direct output for optimum performance.

T-Series splitters are ideally suited for applications where only a few microphones lines need to be split, but where quality, reliability, and performance are essential.

Transformer Isolated Microphone Splitters

- Genuine Jensen transformers
- 1, 2 or 3 isolated output(s) in addition to 1 direct output
- Passive component design does not require AC power and greatly increases system reliability
- All Wireworks splitters pass phantom power on the direct output
- All Neutrik screw mounted XLR connectors – no pop rivets
- All channels and connections are clearly identified for error free use
- Wide variety of designs available
- The MSB (MultiBox splitters) and MSR (MultiRack splitters) are available in 3, 6, 9, 12, 15, 19, 27, 36 and 50 channel capacities and are completely compatible with Wireworks Microphone MultiChannel Components Group of products
- The MSC series splitters, with Multipin inputs, allow splitters to be ideally positioned for decreased cable runs and improved performance.
- Cabling products from Wireworks Microphone MultiChannel Components Group allow easy repositioning and configuration
- Wireworks lifetime warranty against defects in parts and workmanship

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