

Microphone MultiChannel Components Group



First in the Industry

Nearly 40 years ago, Wireworks introduced the first full range of multipin quick-disconnect multi-channel audio products – the Microphone MultiChannel Components Group. It has remained the industry benchmark for all audio interconnect systems.

With a full line of MultiBoxes, MultiTrunks, MultiTails, MultiLineBoxes and MultiLineTails, the Microphone MultiChannel Components Group is a complete family of rugged and versatile components which can be configured from the simple to the complex. Systems can be designed to meet changing requirements in an easy and fast manner.

Complete Configuration Flexibility

Only Wireworks Microphone MultiChannel Components Group allows complete flexibility with modular components, which means that you enjoy a wide range of configuration options. Whether you are on the road, in

the studio or arranging a rental system, a quick change in components gives you complete freedom to meet your multi-cabling requirements – length, termination, inputs and outputs. It's fast, efficient and economical. At any time, additional components can be added to support system expansion or reconfiguration.

Easy Transportation

And don't overlook the ease with which Wireworks Microphone MultiChannel Components can be transported. Your system can be quickly disconnected so each component is easier to handle, making your complete system a dream to transport, set-up and breakdown.

Microphone MultiChannel Components Group

- First in the industry and still the leader
- Designed to meet all your audio multi-channel cabling needs – no matter how complex
- Most complete range of product designs
- Easy to use – easy to configure – easy to re-configure your system
- System can be reconfigured to meet changing needs
- Convenient for transportation
- Fully compatible with Wireworks range of Microphone Splitters
- Components also available for system to be installed.
- G1, 2 & 3 (for up to 27 channels) will fit on 1 rack space high panel

MultiBoxes

The MultiBox is Wireworks most fundamental input termination component. Its tough, heavy gauge steel chassis with a black textured finish, features screw mounted, chassis mount XLR-type connectors wired to 1, 2, 3, or 4 multipin outputs. XLR-type or 1/4" TRS returns also available.

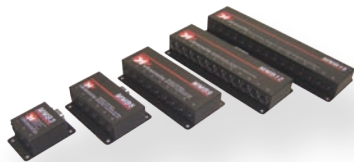


Designed to interface XLR-compatible equipment with Wireworks standard multipin system components,

MultiBoxes are uniquely constructed for either floor or wall mounting. Also see Wireworks Transformer Isolated Microphone Splitters.

MiniMultiBoxes

Sometimes, the convenience and features of MultiBox products from Wireworks Microphone MultiChannel Components Group are just the thing you need – but you have a space restriction, or you don't need the extreme ruggedness of the MultiBox. Wireworks MMB line of mini stage boxes are the answer. These ultra compact boxes provide the densest population of XLR connectors available. Whether you need male or female XLR's and male or female multipin connectors, the MMB range can handle it. Standard sizes are 3, 6, 9, 12, 15 and 19 channel boxes. Also, any number of MMBs totaling 18 channels or one MMB19 can be rack mount in an optional adapter just 1RU high. Convenience in a tiny package.

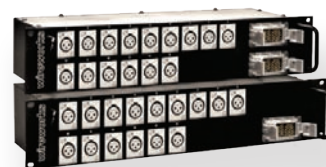


MultiRacks

MultiRacks serve as a link between Wireworks main MultiChannel sections and your interface equipment or as alternatives to MultiBoxes.

The distinct advantage of MultiRacks is up-front plugging with clearly identified channel

numbers. MultiRacks can be mounted in equipment racks for permanent installations. Rack mounting provides a simple, convenient, and attractive way of putting a MultiChannel termination right where you need it.



All MultiRack front panels are rigid black anodized aluminum with paint-filled deep engraved channel numbers. A fully enclosed steel chassis protects the wiring. Front panel offset handles provide protection for the connectors and act as convenient tie-off points to secure incoming cables. All multipin connectors are mounted on the front panel for easy access. Also see Wireworks Transformer Isolated Microphone Splitters.

MultiTrunks

MultiTrunks, Wireworks main or extension cables, provide the link between the termination components you choose or your equipment. MultiTrunks are available in all Wireworks channel capacities, and standard lengths.



MultiTails



MultiTails are highly adaptable termination components designed for uncluttered direct interfacing to your equipment. By eliminating the need for XLR cables to your mixers, consoles,

and processing equipment. MultiTails substantially reduce setup time. They are available in 4 or 8 foot standard lengths.

MultiTails consist of a multipin connector wired to individual miniature rubber tails terminated with an XLR or 1/4" connector. Each channel is permanently marked for easy identification. Individual tails are 100% shielded and they feature long-wearing, abrasion-resistant rubber jackets for superior flexibility.

MultiLineBoxes



Combine, in one hardwired unit, the features and rugged design of Wireworks MultiBoxes with the cable lengths and capacities of Wireworks MultiTrunks.

MultiLineBoxes are an economical alternative for system users who do not require total multipin modularity. They function ideally as supporting sub-systems within a larger system design.

Wireworks MultiLineBoxes are often used in fixed installations where the chassis is permanently attached to the wall or floor.

MultiLineTails

MultiLineTails incorporate, in one single unit, the direct interfacing features of Wireworks MultiTails with the lengths and capacities of MultiTrunks. MultiLineTails can be used wherever there is a need for MultiTail functionality, but the required length is greater than the 8 foot recommended maximum length of a MultiTail.

MultiLineTails function ideally as supporting sub-systems in large multichannel systems. LineTails are also useful in permanent installations where only the MultiBox



or other termination component needs to detach from the main cable section. A typical application might be a multi-use facility where the microphone input MultiBox is removed at times when the sound system is not being used. The multipin end of the cable can then be stored out of sight in a floor pocket or wall box.

By eliminating the multipin connector between the MultiTrunk and MultiTail, LineTails offer economy while maintaining the multipin flexibility inherent in Wireworks Microphone MultiChannel Components Group.

Pigtails - for Installation

Wireworks Chassis Mount Multipin Connector Pigtails are pre-wired, completely assembled interface components



available in both male and female configurations. Designed for hard wiring into consoles or processing racks, they allow you to plug a MultiChannel system directly into your equipment without the need for additional

interface components.

Chassis mount connectors are terminated in four or eight foot audio pigtails. Each pigtail is clearly marked with its channel number for easy installation.

Chassis Mount Multipin Connector Pigtails eliminate the need for time-consuming multipin termination and speciality crimp tools.

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Half Trunks - for Installation



To help installers do their job more quickly and efficiently, HalfTrunks are sections of multichannel audio cable terminated

on one end only with a Wireworks standard multipin connector. They are designed to aid field installation of multichannel systems which must be pulled through ceilings, walls, etc. then terminated to field equipment (jackfields for example). These assemblies free the technician from the tiresome task of terminating multipin connectors on site. Half Trunks are available with chassis or line connectors.

High Capacity Systems

For higher channel capacity systems (36 and 50 channels), Wireworks G5 connector with a capacity of 160 contacts, shares the same features of durability and security as seen in the G1, G2 and G3 connectors used in systems up to 27 channels. The G5 connector has it's own positive screw latching system.



Connector Latching Options

A-Latches comprise two spring loaded rigid latch components which automatically latch to the mating connector. By simply spreading both latches the connector is easily removed.



Wireworks BLS Latches are a low profile alternative

to traditional A-Latches. BLS provides positive "snap" locking once the connector is mated and store on the connector sides when not in use.



- All MMCG products are based on Wireworks world renowned G series connector.
- Modular design
- Heavy duty metal connector housing
- Rugged heavy duty cable strain relief
- Rectangular not round – no out-of-round problems: no cross threading of locking rings
- Large contact size [16 AWG] for superior contact area and signal transmission
- Dual crimp termination
- Gold contacts for increased conductivity
- Formed contacts for resilience – reduces possible breakage
- Multi-piece contacts with wiping action for clean contacts
- Rear of contact is "blind" – eliminates shorts
- Choice of latching systems
- Simple field serviceability

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