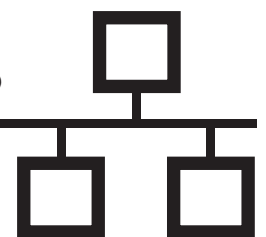




**DISTRIBUTED MULTICHANNEL AUDIO SYSTEM OVER IP**

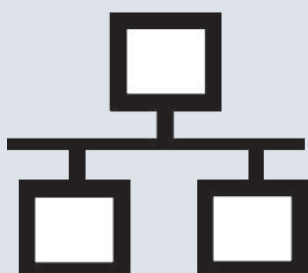


# BlueLine

Digital 



*BlueLine Digital is a distributed audio system based on streaming using ethernet. It is possible to transmit several channels (+ control) via Ethernet as data and with very low latency. It can be a simple transmission from one point to another or multiple points, but also a full multichannel system with control and alarm management.*



### Audio distribution over IP networks

Audio distribution is based on transmission over IP networks. It is a cost-effective concept, fast to install and easy to design. Thanks to the Plug&Play system, integrators do not need any technical knowledge about networks.

The central system is IP, so it is possible to monitor the network to know at anytime if a device of the system is not working properly. If something happens, a warning message is automatically sent to users in order to check the system.

### A versatile, distributed audio system

BlueLine Digital is also compatible with other public address systems. It can be used to transport several channels through the network. It is possible to connect power amplifiers with high output power which are designed for 100 V line installations. This is an opportunity to manage low and high voltage installations in a same audio system.

Thanks to the channel modules, integrators can adapt BlueLine Digital to the needs of the installations. This is very interesting because it gives integrators the opportunity to take advantage of an advanced system, without generating overcosts.





**BLM**

- Modular central unit of Blueline Digital.
- Composed of:
  - Main supply unit (BL-PSU).
  - Two channel ethernet streamer (BLS-2M) with 8 GPIO and commutator to communicate with the alarm system.
- 3U fully modular rack chassis.
- Possibility to add BLS modules (each module adds two audio channels in the network) and other modules (e.g. solid-state players, communication ports, etc.) to adapt Blueline Digital to the needs of the installation.



**BL PSU**

- Main supply unit of BLM system with Aux input for redundant supply.
- It supplies an ethernet input and all the modules connected to the unit.



**BLMP 1**

- Audio streamer and MP3 player (USB/SD) with built-in FM radio.
- Modular design, for its integration in BLM rack unit.



**BLS 2M**

- Two audio channels ethernet streamer (one stream contains two channels).
- 8 GPIO available to transmit its state over the network. It transmits/receives audio and GPIO contact states.
- One input is available to enter an alarm condition.



**BLS 2**

- Two audio channels ethernet streamer (one stream contains two channels).
- Contrary to BLS-2M, it does not features GPIO nor alarm commutator.



**BLS 2 Lite**

- Independent unit which adds two audio channels in the network (one stream contains two channels).
- Affordable solution, ideal for small installations.
- Can be used as a simple unit to transport audio from one point to one or to several receivers.
- Can coexist with BLM unit, being another channel of the same network that receivers can select (up to 16 channels in the network at the same time) for 10 Mbps networks.
- PoE and/or external power supply unit.



**BLR 2**

- IP audio receiver (1 receiver = 1 zone).
- It selects and decodes one of the 16 available channels to provide an analog balanced output.
- Additional functions to connect BL C1 (local control with 3 additional, additional remote input to connect BL C1).
- PoE and/or external power supply unit.



**BLR 2 Lite**

- Simplified version of the IP audio receiver BLR-2.
- Additional remote input to connect BL C1.
- RS485 commands remote control available, to control the selected channel, signal level, etc.
- Functions can be controlled via ethernet (from PC, smartphone or tablet).
- PoE and/or external power supply unit.



**BLR 2A**

- Stereo IP receiver with built-in amplifier of:
  - 2x5W (connected by PoE).
  - 2x15W (external power supply unit).
- RS485 commands remote control available, to control the selected channel, signal level, etc.
- Functions can be controlled via ethernet (from PC, smartphone or tablet).
- PoE and/or external power supply unit.
- Additional remote input to connect BL C1.



**WNC 1**

- Wall-mount Ethernet controller.
- Allows assigning a specific configuration using WorkCAD Designer.
- Intuitive control of the audio at a determined output.
- Possibility to control output volume and to select output source.

**BLC 1**

- Wall-mount controller.
- Connexion to any receiver thought Cat5 cables (Not Ethernet).
- Possibility to control volume and to select output source.
- Aux input for local source connexion.

