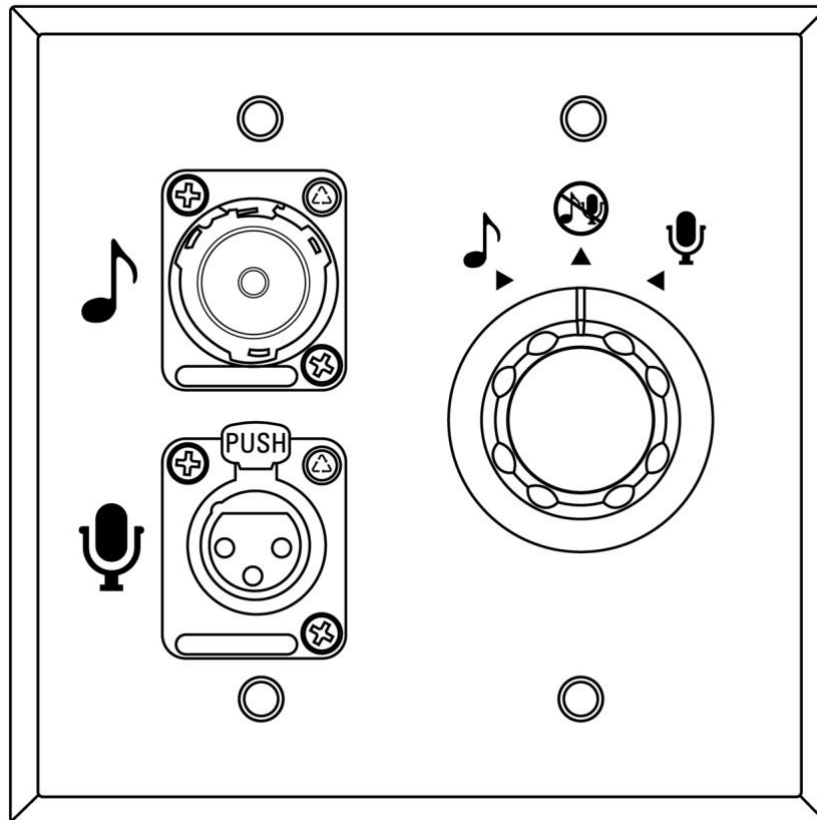




# 1205 Audio Interface

## GETTING STARTED SHEET



Need Help?

(604) 454-3792 or [support@algosolutions.com](mailto:support@algosolutions.com)

## About the Algo 1205 Audio Interface

The 1205 Audio Interface provides a method for connecting a music source and live microphone to the Algo 8301 Paging Adapter for multicast broadcast over the network to IP speakers or IP enabled legacy paging systems.

The rotary control knob has three positions (music, microphone and off). The 8301 will automatically detect the control knob position to start multicast for either the microphone or music input as selected, or stop multicast in the off state.

The music input uses a 3.5mm stereo input jack compatible with Apple™ iPod™ and other sources. Left and right stereo channels are combined into a balanced mono signal compatible with public address infrastructure. The music volume is adjusted by both the Audio Input Volume setting in the web interface of the 8301 and manual adjustment of the source level.

The microphone input uses an XLR connector compatible with dynamic microphones such as the Sennheiser™ E835 and similar microphones that do not require phantom power. Microphone volume is adjusted using the Audio Input Volume setting in the 8301 web interface.

## Getting Started – Quick Install & Test



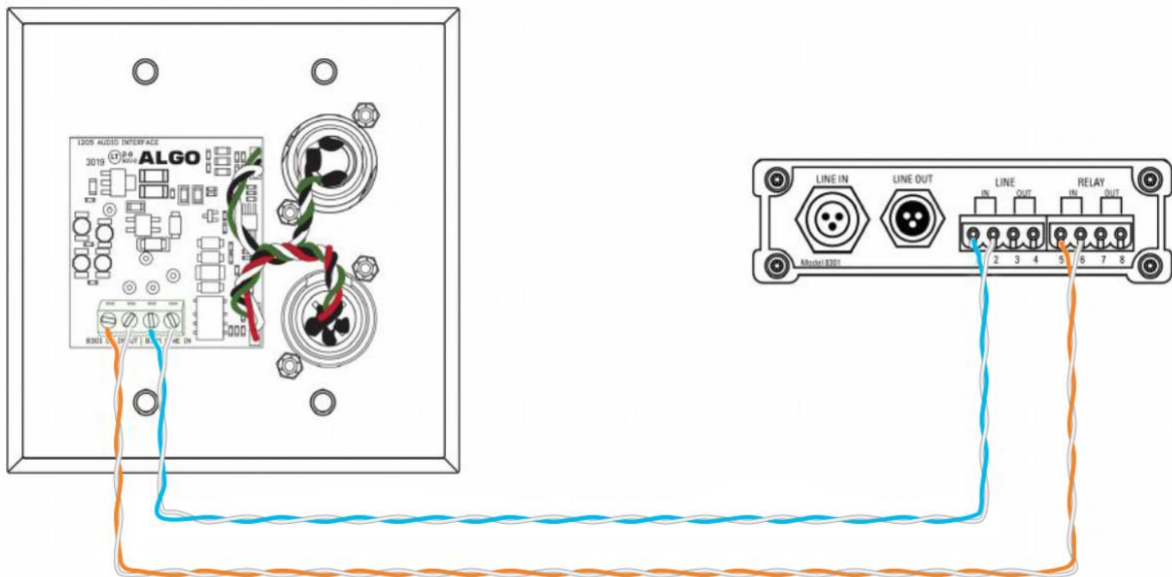
*This guide provides important safety information which should be read thoroughly before permanently installing the product.*

1. Install the 8301 Paging Adapter & Scheduler by following its installation guide. Available online from [www.algosolutions.com/8301/guide](http://www.algosolutions.com/8301/guide)
2. Connect the 1205 Audio Interface to the 8301. See the diagram provided in the next section of this sheet.
3. Access the 8301 web page by entering its IP address into a browser (Chrome, Firefox etc) and log in. The IP address can be found using the Algo Device Locator Tool or momentarily pressing the RESET button with headset connected.
4. Select 'Algo 1205 Audio Interface' or 'Algo 1205 Audio Interface Switch with Supervision' under the **Additional Features > Input/Output** tab and click 'Save'.

## Wiring Connections

Two pairs of wires connect the 1205 Audio Interface to the Algo 8301. One pair is for balanced audio and one pair is for communicating the rotary switch position.

Connect the “8301 SW INPUT” switch terminals of the 1205 Audio Interface to the “RELAY IN” of the 8301. Connect the “8301 LINE IN” audio terminals of the 1205 Audio Interface to the “LINE IN” of the 8301. Neither pair is polarity sensitive.



## Important Safety Information

### DRY INDOOR LOCATION ONLY

The 1205 Audio Interface is intended for indoor dry locations only.

**CAT5 or CAT6 connection wiring to an IEEE 802.3at PoE+ or 802.3af compliant network PoE switch must not leave the building perimeter without adequate lightning protection. No wiring connected to the 1205 or 8301 may leave the building perimeter without adequate lightning protection.**

## ESD PROTECTION

***Electrostatic discharge to the 1205 Audio Interface faceplate or audio connectors will be conducted to the 8301 Paging Adapter which is normally isolated from electrical ground per the IEEE 802.3af standard.***

***To protect against a charge build up in the Algo 8301 which might otherwise cause a reset or damage to the device or network switch port, Algo 8301s manufactured with RIs 13 (May 2019) or later contain circuitry designed to dissipate accumulated charge. For this feature to work properly the network switch must be designed to dissipate accumulated charge as well. For example, the Cisco Catalyst 2960S-24PS-L at +/- 20kV ESD testing yielded good results without grounding.***

***Network switches with external power supplies (even if chassis grounded) should not be used with the 8301 and 1205 Call Switch without protective grounding. This can be achieved by connecting a 24 AWG or larger wire between either conductor of the “SW INPUT” or “RELAY IN” wires to Earth ground. This wire is to bleed away any accumulated charge from ESD hits that would otherwise be dissipated by the network switch.***

***For more information or application help please contact Algo technical support :***

***1.604.454-3792 or [support@algosolutions.com](mailto:support@algosolutions.com)***

## EMERGENCY COMMUNICATION

If used in an emergency communication application, the 1205 Audio Interface and 8301 Paging Adapter should be routinely tested. SNMP supervision is recommended for assurance of proper operation. Contact Algo for other methods of operational assurance.