



BOGEN BUFEX Owner's Manual

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BUFEX

Attenuator, Buffer, and Speaker Expander for Self-Amplified Speakers

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Features

- Can drive up to 150 self-amplified speaker inputs
- 100V, 70V, 25V, and page port level selectable inputs
- Bypass trim control for emergency paging
- Continuously variable attenuator

Description

The BUFEX is a continuously variable speaker attenuator that allows the volume of a network of speakers to be

remotely controlled. The BUFEX provides output buffering for up to 150 self-amplified speakers. It allows speaker system expansion for existing 100V, 70V, or 25V central amplifier systems.

The unit includes a bypass function for overriding the volume control knob setting when activated by a contact closure or open collector output. A bypass trim control adjusts the volume when in bypass mode with a maximum of 12 dB of attenuation. The BUFEX fits into a single gang electrical box.

Installation

1. Make all the necessary electrical connections and jumper selection before installing unit.
2. Mount the unit to the electrical box using the 2 faceplate screws provided.

Package Contents

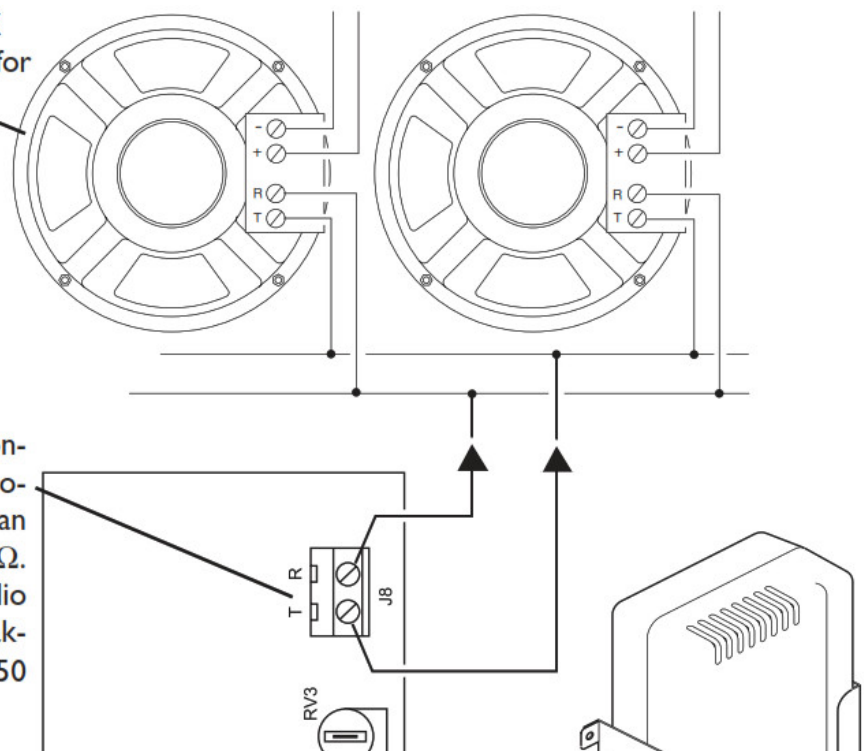
- (1) Installation and Use Manual
- (1) BUFEX Unit
- (2) Faceplate Screws

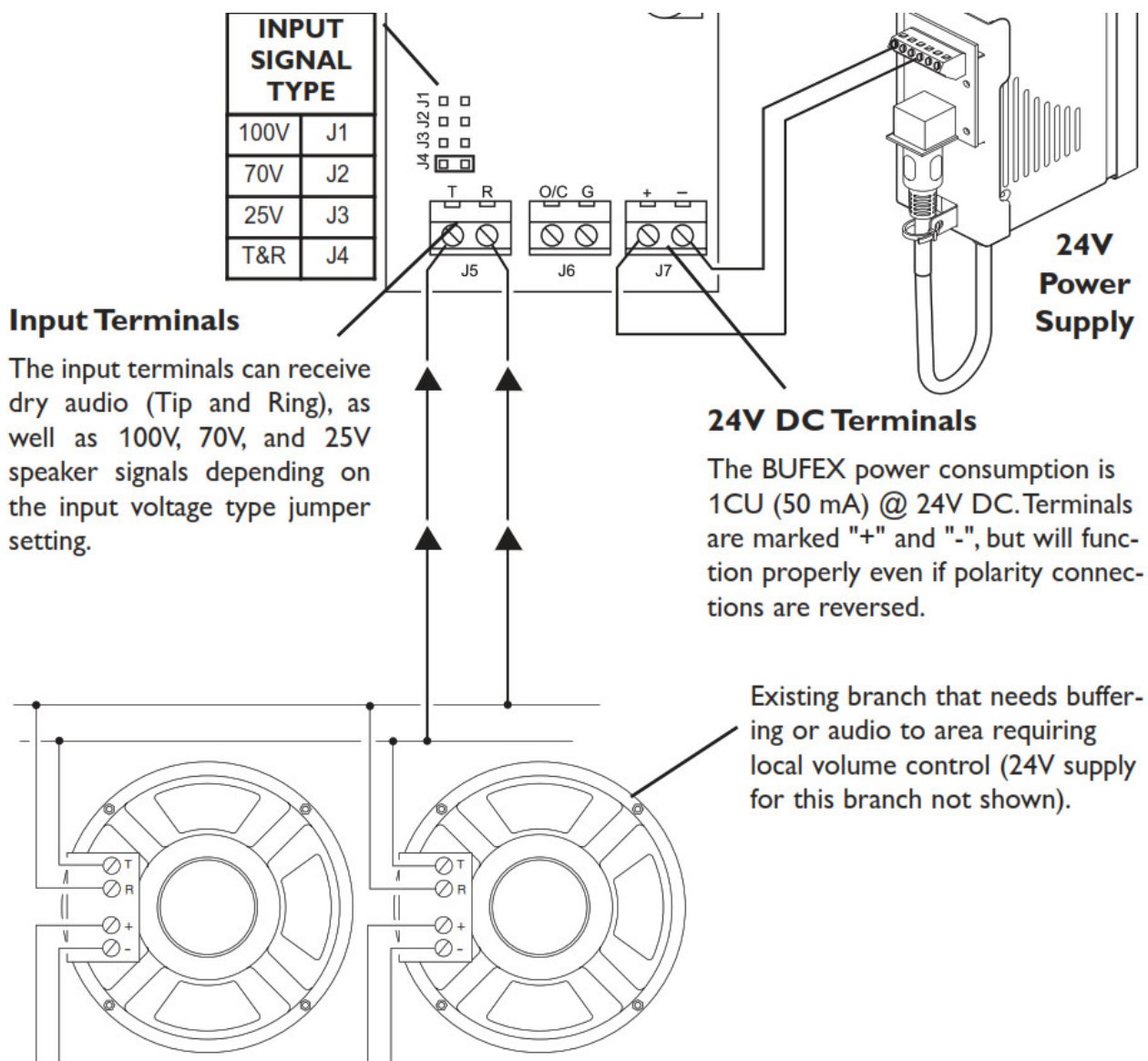
Typical Connections

Buffered branch with BUFEX volume control (24V supply for this branch not shown)

Output Terminals

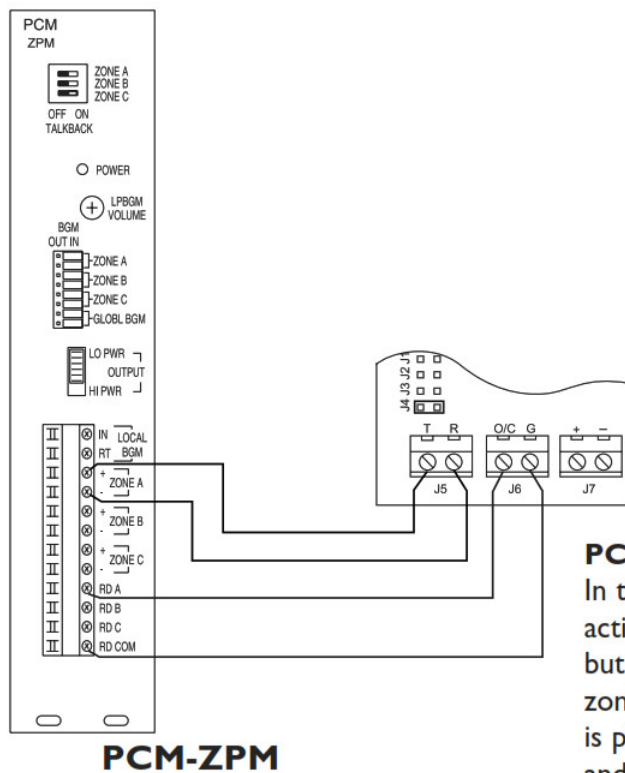
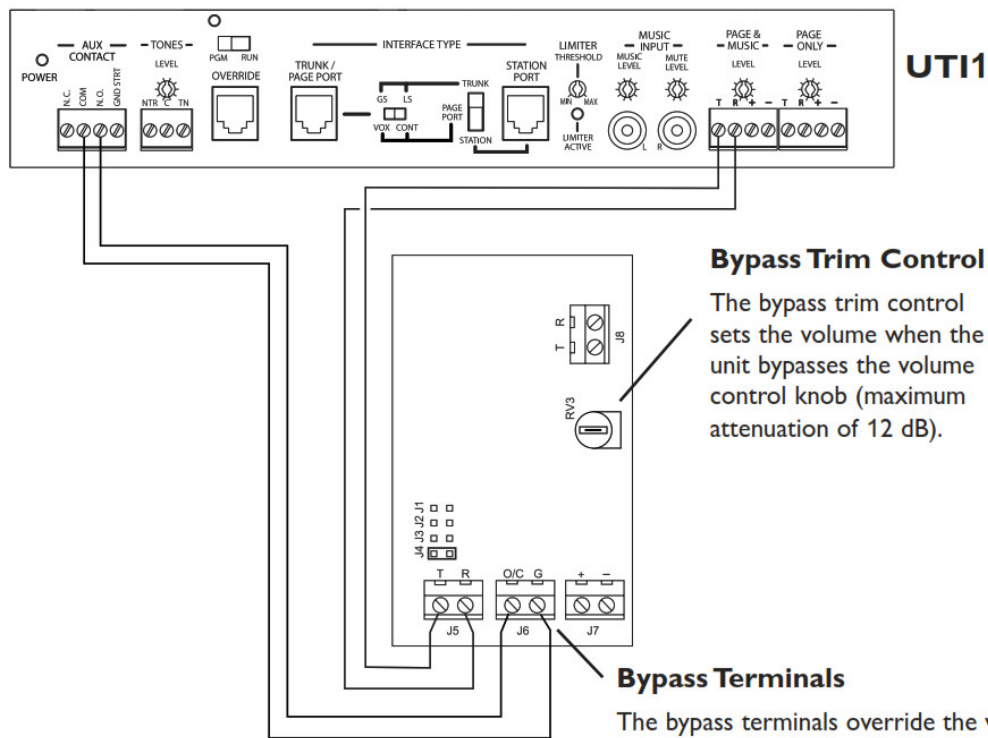
The Tip (T) and Ring (R) connections are transformer-isolated audio outputs with an output impedance of 8Ω . Connect these to the audio inputs of the amplified speakers for driving up to 150 speaker inputs.





Bypass Connection Examples

In the example below the AUX contacts of the UTI1 are programmed to close when the UTI1's Override (Emergency) input becomes active. The AUX contacts trigger the Bypass feature of the BUFEX allowing a full volume page to be heard regardless of the volume setting of the BUFEX. See previous page for power and output wiring.




PCM2000

In this configuration the Bypass feature activates when the zone is being paged, but allows volume control when the zone is inactive and background music is playing. See previous page for power and output connections.

Block Diagram

Documents / Resources

	<p>BOGEN BUFEX [pdf] Owner's Manual</p> <p>BOGEN, BUFEX, Attenuator, Buffer, Speaker, Expander, Self-Amplified, Speakers</p>
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References

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