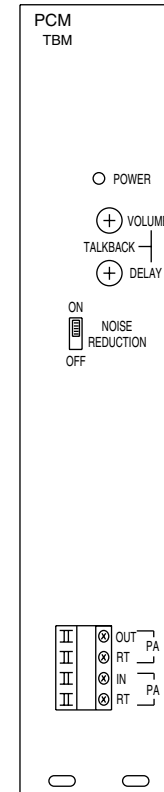


# Bogen Model PCMTBM

*Talkback Module for Bogen's  
PCM2000 Zone Paging System*



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## Description

The Bogen Model PCMTBM is the talkback applications module for the Bogen PCM2000 Zone Paging System. The PCMTBM is used with a high-power central amplifier to provide talkback paging in zones with passive speakers. The module is equipped with controls to adjust talkback volume and talkback delay. A noise reduction switch mutes background noise when no audio activity is present in the zone.

The PCMZPM zone module has TALKBACK dip switches which must be properly set in order to use the PCMTBM module. See the instructions supplied with the PCMZPM module for further information.

## Amplifier Connections

When using the PCMTBM module, connect the central amplifier input to PA IN & RT terminals, and amplifier output to PA OUT & RT terminals. See the illustration on page 3. The central amplifier should have no connections to the PCM-CPU module when using this talkback module.

**NOTE:** No connections should be made between the paging amplifier and the PCM-CPU module. The paging amplifier must only be connected to the PCMTBM module.

## Talkback Volume Control

TALKBACK VOLUME controls the loudness of the talkback signal in the telephone handset. Clockwise rotation increases the talkback level.

## Talkback Delay Control

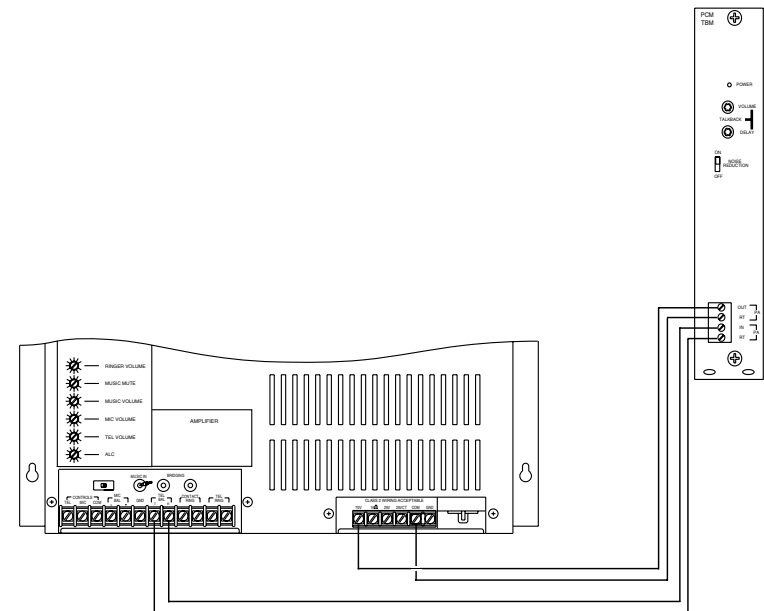
The TALKBACK DELAY controls the amount of time the unit stays in the broadcast mode (when paging is heard over the zone speakers). Once the paging signal stops, the unit will switch into talkback mode (listen through the speaker) after this delay has lapsed.

Clockwise rotation of the control increases the talkback delay.

## Noise Reduction Switch

When the NOISE REDUCTION switch is placed in the ON position, the PCMTBM has the ability to mute background noise in the zone being monitored. When audio activity in a zone is not changing significantly, the PCMTBM will

consider this audio to be background noise. The module will then mute the talkback channel. When voice is detected, the talkback channel will be immediately reinstated. By placing the switch in the OFF position, the talkback channel will not mute regardless of the audio activity in the zone.



**Amplifier Connections**