

# R&M Consulting Update

ISSUE 1, 2017

SOUND & VIDEO SYSTEMS DESIGN

SERVING NORTHERN ILLINOIS, INDIANA AND SOUTHERN WISCONSIN

## NO TWO CHOIRS ARE ALIKE, BUT THEY ALL NEED ADEQUATE AMPLIFICATION IN TODAY'S CHURCHES



Picture: Using two 84 inch Audix Microboom Microphones with studio quality heavy duty microphone stands.

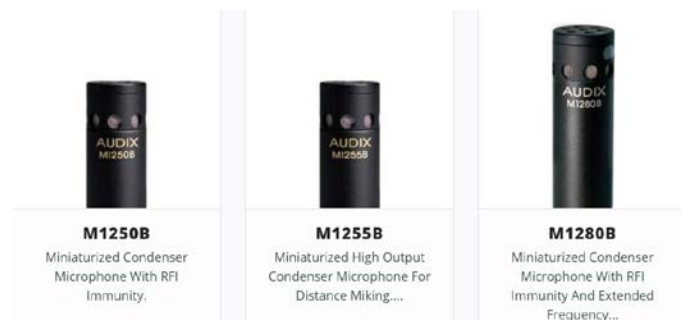


### DO YOU HAVE THE RIGHT MICROPHONES FOR YOUR CHOIR?

A good way to improve your system for live reinforcement and recording is having the correct microphones. R&M Consulting can speak with you over the phone to discover more about your microphone needs. We can also provide options for you to evaluate in your church. Very successful options for choir use are Audix MicroBoom series condenser microphones. They are a very high quality multipurpose line of microphones designed to capture a group of live performing vocalists and/or instrumentalists. The slim design allows easy placement and unobtrusive visual aesthetic, while the different available capsules provide the correct pickup pattern and sensitivity requirements for your choir's needs.

### CHOIR IS OFTEN THE FOCAL POINT OF CHURCH SERVICES, SO THE CORRECT TOOLS ARE NEEDED.

Many choir directors do not have the best tools to amplify their choir or musical areas. A choir director may also experience times when the vocal and instrument microphones cause feedback, and still are not loud enough for the congregation to hear over the leading accompanist. Factors that could cause this are misadjusted stage monitors, too many microphones on at one time, or a leading accompanist that has their sound levels too loud from the stage/performance area.

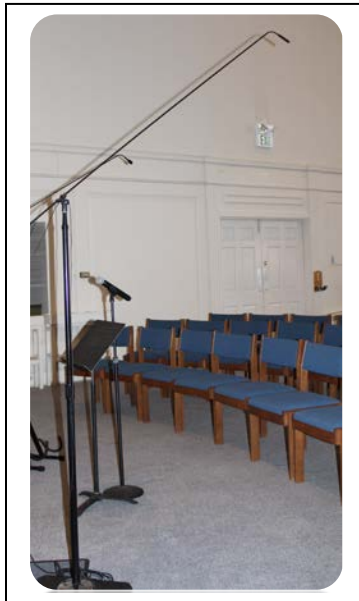




Correct microphones are also required to achieve adequate sound levels through a live sound system without feedback. Capturing the sound of a choir can be done with **minimal miking techniques** using one to three Audix MicroBoom Microphones. These small condenser microphones connected to a thin carbon fiber boom arm are available in three lengths to best match the application. The small condenser microphones are also interchangeable and come in different pickup patterns and sensitivities.



We provide heavy duty stands from Atlas Sound Products to properly mount the MicroBoom microphones. They are air suspended so the microphones don't come crashing down during user adjustments.



**Trust us to help you with your choir amplification and microphone needs. Give us a call and R&M Consulting will work with you to improve your system. We take our work and your time very seriously.**

Rod material	Carbon Fiber
Gooseneck	Flexible Steel

**MODEL VARIATIONS**

- MICROBOOM24 - 24" carbon fiber boom arm with clutch assembly
- MICROBOOM50 - 50" carbon fiber boom arm with clutch assembly
- MICROBOOM84 - 84" carbon fiber boom arm with clutch assembly

### Choir Miking Best Practices – Using Audix MicroBooms:

One MicroBoom with the proper capsule combination can pick up a vocal group of about twenty members. If there are other musical sources near your choir such as drums, amplified guitars and keyboard/piano, isolation between the choir and musicians may be required. This can be achieved by increasing the number of MicroBoom microphones, bringing the mics closer to the choir, and using the Hypercardioid capsules which increase the directionality of the MicroBoom system, therefore providing more sound through a live sound system before the point of feedback.

**R&M Consulting is available to provide Audix MicroBoom Microphone Systems, and we explain how to get the most out of your investment. We have over 40 years of experience with church, school, and performance group amplification. Let us provide you with the tools and training necessary to improve your musical groups sound quality.**