

## Ebell Club Main Theater Technical Equipment Guidelines

1. The Ebell Club theater is a historical theater built over 100 years ago. All structures and equipment of the theater and clubhouse building need to be treated with extra care, above and beyond what would be expected in a typical facility. This document does not cover the equipment in the Ebell banquet room (Peacock Room).

### 2. Capabilities of Standard Theater Tech

- Basic sound and lighting systems are provided. They are intentionally low-tech and simple to operate so trained renters may operate them without additional Ebell staff. Neither sound nor light board is controllable by computer, they are manually operated. A binder with owner's manuals for the lighting and sound board is kept in the tech booth for reference.
- Sound Equipment: The sound board is a manually operated Yamaha MG32/14FX analog 32 input 6 bus mixer with built in DSP effects and phantom power for condenser microphones. It is configured as 24 microphone inputs and 4 stereo inputs for music, sound effects, etc.

There are 19 wireless microphone receivers normally wired to the sound board channel 1-19 that belong to Broadway On Tour (the resident theater group). These mics are available for rent, see contact information below. Users providing their own microphones can unplug the BOT receivers from the board.

Of the remaining five mic inputs on the mixer board, three are wired to cables under the stage to allow for wired mics to be used in the stage area.

If you need more microphone channels, or wish to bring in your own sound equipment, ask your Ebell rep. before unplugging any cables or reconfiguring the board. You must take reference photos and notes so the sound system can be returned to the original configuration at your strike.

Connections: There is a 1/8 in. headphone jack cable wired into the soundboard available for using your phone or laptop for music. There is an HDMI cable extender system allowing a projector mounted over the stage or at the front of the balcony to be run from the booth by a device with an HDMI port. Contact [support@broadwayontour.org](mailto:support@broadwayontour.org) if you want to use this HDMI connection or the Ebell club projector.

#### Miscellaneous available equipment:

- Two handheld Audio Technica 3000 series wireless microphones available for vocal performance or stage announcements in the theater.
- A 5 CD disk changer is available for the tech booth.
- The Ebell club has an Epson 3000 Lumen 1024 x 720 video projector available which can accept HDMI or VGA input.
- There is a remote control 9ft. high by 7ft 4 in. wide projection screen at the front of the main theater stage.
- Note: There are **no** laptops, MP4 players, or USB drive readers provided by the theater.

Speakers: The theater orchestra level has two Bose linear array speaker systems and two subwoofers mounted by the stage. The balcony has two Bose midrange speakers. The speaker system volumes are matched, there is no adjustment to set main and balcony sound levels independently.

There are two sets of stage monitor speakers controlled by the Aux1 and Aux2 levels on the sound board. The front stage monitors are controlled by Aux1 and the the overhead stage monitors are controlled by Aux2 (labels are on sound board). These are small monitor speakers intended only for vocalists to hear the music, not their own voice. It is recommended to not mix any microphones into the Aux1 or Aux2 outputs to avoid feedback. If you require loud monitors for electronic instruments, or in-ear monitors for vocalists, you will need to provide your own. If you wish to reconfigure the Ebell sound board for using other busses or inputs for your monitors, ask your Ebell rep. before you change anything. Before photos and notes will be recorded so you can return the configuration to normal at your strike.

A Bose signal processor is used in the booth for crossover filtering, to match speaker delays, and protect speakers from being overpowered. Renters are not allowed to change any signal processor settings. The power amplifiers are mounted backstage and are not accessible to renters. If you have special needs for using your own sound equipment contact Ebell theater staff for guidance. Never bypass the Bose signal processor to run a signal straight into to the amplifiers. If you want to run your own soundboard, you **MUST** run it through a channel on the Ebell soundboard. Any unused channel above number 19 can be used, XLR inputs are available on the rear of the board. Any damage to the theater equipment is deducted from the rental deposit.

- Lighting Equipment: Lighting is controlled with a Smarfade ETC DMX output board. This board has no built-in support for intelligent moving light sequencing, and cannot be controlled by a computer for scene sequencing. It does have an SD Card slot for saving your sequences and memories, but that slot cannot be

used to download sequences or memories to the board from lighting programs. The binder in the tech booth has the operating manual.

The available lights include; six Source Four floods mounted on the front of the balcony (gelled as three warm and 3 cool), multicolor incandescent floodlight strips aimed down over the stage, a row of color LED strips aimed down over the rear section of the stage, four LED par style floods over the wing curtains, and assorted hanging fresnel and parcan lights without permanent position assignments.

If you want to have hanging lights over the stage repositioned, contact your Ebell rep. The incandescent light instruments are controlled by dimmer packs connected through a theater lighting patch panel. Each dimmer pack channel has a fused power limit, so adding or repositioning lights without Ebell staff guidance can cause blown channels or even damage.

Available lighting functionality is limited and the board is meant to be operated manually by someone following a cue book. Most renters will set 8-12 scene memories (“looks”) on the board and use those repeatedly throughout the show rather than programming a cue sequence.

There are two Altman Luminator follow spots located in the balcony. These are property of Broadway On Tour and are available for tenants to use in their productions in exchange for a donation of \$10 for each spotlight used to cover replacement bulbs. Please leave donations with Ebell staff in an envelope marked “BOT”

If you are interested in renting Broadway On Tours’ Audio Technica 3000 series wireless body mics, please contact [support@broadwayontour.org](mailto:support@broadwayontour.org) for information and a quote.