

# Model 111 Lampifier® Microphone User Guide

**Phantom Power Required.** The model 111 Lampifier microphone is a unidirectional super-cardioid dynamic microphone for professional use in sound reinforcement and studio recording. A built-in programmable Lampifier processor improves sound quality under a variety of applications. A bass-boost ring enables adjustment of the proximity effect. A built-in spherical filter minimizes wind and breath "pop" noise, while a super-cardioid pickup pattern isolates the main sound source and minimizes unwanted background noise. The Model 111 features a tailored vocal/instrument response which for professional audio use. In addition, rugged construction ensures that the Model 111 will perform consistently and reliably.

## FEATURES

- Internal Lampifier audio processor with noise gate blocks unwanted noise and feedback, and provides heightened articulation without unwanted artifacts.
- Super-cardioid pick-up pattern provides maximum gain before feedback and excellent rejection of off-axis sound.
- Frequency response is tailored for vocals and instruments, with brightened midrange.
- Bass-Boost Ring enables an adjustable proximity effect.
- Frequency response is 50 - 15,000 Hz with soft upper midrange emphasis.
- Mechanical shock mount system minimizes handling noise and vibration.
- Steel-mesh ball grill resists wear and abuse.
- Built in spherical pop-filter reduces undesirable wind and breathe noise.
- Stand adapter is durable and impact resistant.
- All-metal construction means ruggedness and reliability.
- 3-pin XLR output connects to standard professional equipment.
- No batteries required. Operates on 48V phantom power or optional inline phantom AC adaptor.
- Free Online Programming Tool: <http://www.lampifier.com/program>.

## GENERAL RULES FOR USE

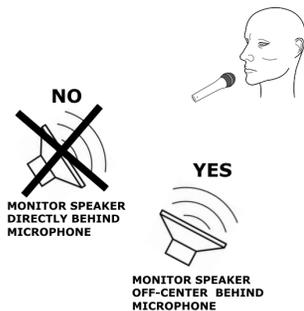
- Aim the microphone directly toward the desired sound source (such as the lecturer, singer, or instrument) and away from unwanted sounds.
- Place the microphone as close as practical to the desired sound source.
- Use only one microphone to pick up a single sound source.
- Use the fewest number of microphones as practical.
- Keep the distance between microphones at least three times the distance from each microphone to its source.
- Place microphones as far as possible from reflective surfaces.
- Move closer to the microphone for extra bass response.
- Avoid excessive handling to minimize pickup of mechanical noise and vibration.
- Do not cover any of the microphone grille with your hand, as this will significantly affect microphone performance.

## APPLICATION SUGGESTED MICROPHONE PLACEMENT TONE QUALITY

Vocals Lips less than 15 cm (6 in.) away or touching the windscreen, on axis to microphone:	Strong sound with emphasized bass and maximum isolation from other sound sources.
15 to 60 cm (6 in. to 2 ft.) away from mouth, just above nose height:	Natural sound, reduced bass.
20 to 60 cm (8 in. to 2 ft.) away from mouth, slightly off to one side:	Natural sound, reduced bass and minimal "s" sounds.
90 cm to 1.8 m (3 to 6 ft.) away:	Thinner, distant sound; noticeable levels of ambient noise.

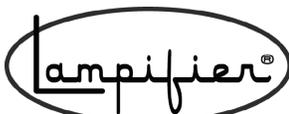
## AVOIDING PICKUP OF UNWANTED SOUND SOURCES

Place the microphone so that unwanted sound sources, such as monitors and loudspeakers, are directly behind it. To minimize feedback and ensure optimum rejection of unwanted sound, always test microphone placement before a performance.



## SPECIFICATIONS

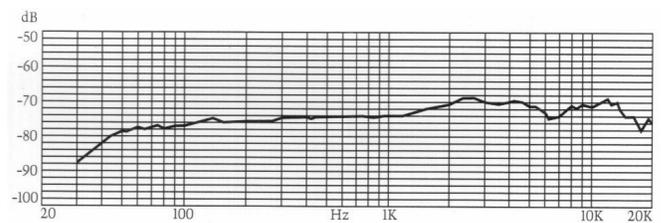
- Type: Dynamic (moving coil) with phantom powered Lampifier processor.
- Phantom Power Requirement: 15 to 48 volts, 10 mA.
- Frequency Response: 50 to 15,000 Hz.
- Polar Pattern: Supercardioid.
- Bass Boost: 7 mm removable ring.
- Sensitivity: -70 to -20 dBV/Pa depending on program.
- Impedance: Rated impedance is 150 ohms (300 ohms actual) for connection to microphone inputs rated low impedance.
- Wiring Polarity: Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3.
- Connector: Three-pin professional audio connector (male XLR type).
- Structure: Black enamel-painted, die cast metal; matte-finished, silver, spherical steel mesh ball grill.
- Overall Dimensions: 53 x 187 mm (2.1" x 7.4").
- Net Weight: 298 grams (10.5 oz).
- Processor Programming: requires six shunts or less.
- Six extra shunts included.



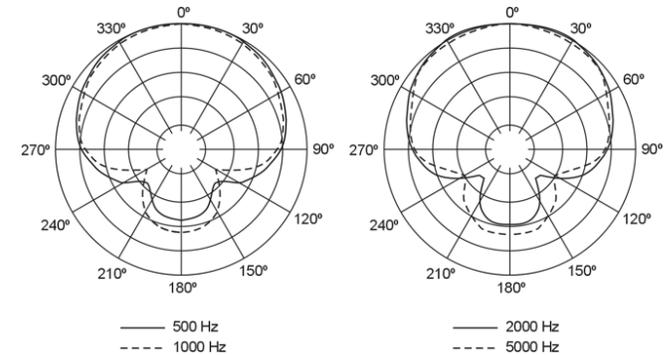
Believe in the Light

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## FREQUENCY RESPONSE

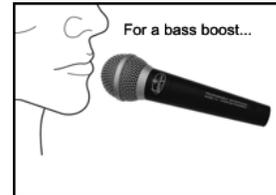


## POLAR RESPONSE



## BASS BOOST RING

The bass-boost proximity effect of the model 111 microphone can be adjusted by removing a ring. If you prefer an extra boost of the bass notes, remove the bass-boost ring as shown below. The boost is most effective when your mouth (or sound source) is close to the ball grill. Removing the bass-boost ring is safer than increasing bass with a tone control or an equalizer because the microphone's proximity effect typically does not affect microphone feedback.



## ONE YEAR LIMITED WARRANTY

Lampifier Microphones purchased in the U.S.A. are warranted for one year from date of purchase to be free of defects in materials and workmanship. In event of such defect, product will be repaired promptly without charge or, at our option, replaced with a new product of equal or superior value if shipped to the Lampifier Service Center, prepaid, together with the sales slip or other proof of purchase date. This warranty excludes defects due to normal wear, abuse, shipping damage, or failure to use product in accordance with instructions. This warranty is void in the event of unauthorized repair or modification (re-programming exempted), or removal or defacing of the product labeling. This warranty does not cover microphone cables, connectors, finish, appearance items, intentional abuse or misuse, or operation at other than the specified conditions.

Except to the extent limited by applicable state law, the Lampifier Company (Music44.com, Inc.) shall have no liability for any consequential, incidental, or special damages and any warranty of merchantability or fitness for a particular purpose expires when this warranty expires. This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Information and specifications provided are believed to be accurate but are not guaranteed. For Return Instructions, please visit <http://www.lampifier.com/returns>

To contact the Lampifier Service Center:  
Tel: (317) 225-5509 (Monday - Friday, 9am - 4pm Eastern time)  
Fax: (317) 222-1327 E-mail: [help@lampifier.com](mailto:help@lampifier.com)