

## Options & Accessories

Use only high quality microphones with your Lectrum<sup>®</sup> lectern. Cheap, lower quality microphones increase transmission of handling noise and do not have the performance necessary for good speech intelligibility.

They are also more prone to feedback.

Condenser type microphones are recommended. These are more sensitive and give more gain before feedback than dynamic type microphones. Condenser microphones use a smaller mic head and have a neater, less obtrusive appearance.

The microphone head should be about 100-150 mm from the presenter's mouth. We recommend the use of gooseneck microphones with a length of at least 360 mm. The microphone can then be adjusted to suit presenters of various heights. Audio levels should be set to provide natural sounding speech. Over amplification should be avoided.

For professional presentations where speech quality is critical we recommend the use of two microphones to cover the presenter's side-to-side movements. Some microphone manufacturers suggest the microphones should be in a crossed position.

The use of foam wind shield sorpop filters is recommended to minimise noise from breath pops and sibilant 'essess'.

### A note about phantom power:

Condenser microphones require a small, low voltage to power them. Phantom power is usually (but not always) available from the Mixer/Amplifier in the sound system. On some models, phantom power has to be selected by means of an on/off switch. If phantom power is not available from the Mixer/Amplifier, then a separate phantom power supply is required. Dynamic microphones do not need phantom power.

Lectrum<sup>®</sup> models L101 and L2001 have switchable, built-in phantom power. With these models you always know you can use condenser microphones.

### A note about feedback:

This is the annoying, high pitched screech which is caused by having an open microphone too close to the loudspeaker. Experimentation with the placement of the microphone and speaker can help reduce the problem. As feedback occurs at a particular frequency, some control of feedback is possible by adjusting the equaliser in the sound system (if available). Specialised feedback elimination devices are also available.

### Microphone Check List

- Use only high quality microphones.
- Check microphone placement and volume level BEFORE use.
- Do not blow into microphone or handle during use.
- Avoid making excessive noise with papers or props.



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