



User's Manual



L825/L855
Lavalier microphones
www.micwaudio.com

1. INTRODUCTION

Welcome to the MicW L-Series of professional microphones. We have been producing high quality microphones for test, measurement and studio recording for over 10 years. Our unique knowledge of diaphragm technology has enabled us to offer you very high quality products for audio applications.

The L-Series is MicW's new professional Lavalier range. With compact size and superior EMI protection, the microphones deliver maximum performance in situations where such a device needs to be practically invisible. The Omni and Cardioid pick-up patterns produce a warm and clear sound, which makes the L-Series a well-suited, reliable partner.

2. OPERATIONAL SAFETY

L-Series microphones use pre-polarized capsules that are tested both at high temperatures and in very humid conditions for over 24 hours prior to factory release. The microphones are very resistant to temperature and humidity. They can be safely operated in temperatures ranging from -20°C to 50°C and in up to 95% humidity.

3. POWER SUPPLY

The L-Series has been designed with a Microdot connector. MicW also provides several breakout adaptors (see Microphone Installation) for a wide range of wireless systems or XLR input applications.



4. APPLICATIONS

The omnidirectional L825 and cardioid L855 Lavalier microphones are recommended for on air presentation and video production. They are also durable enough for ENG use. Their compact size makes them highly suitable for a range of applications.

① On Air Presentation



② Stage and Theater



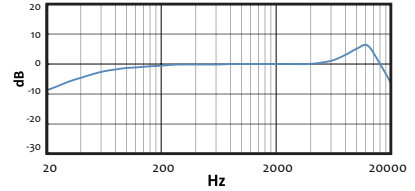
③ Shooting Video



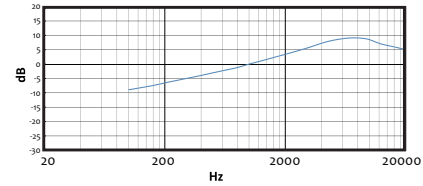
The L-Series is ideal for capturing high quality audio with iOS or Android smartphones and tablets

6. FREQUENCY RESPONSE

Typical frequency responses are shown in the following charts



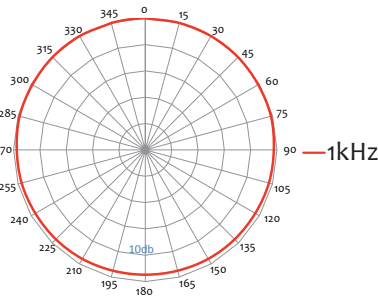
Typical Frequency Response of L825 at 5cm from the source



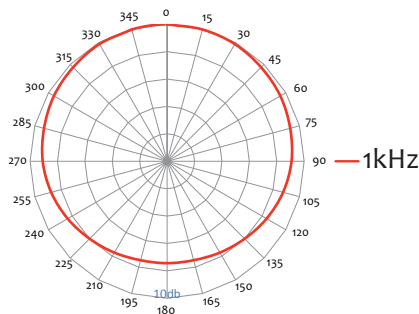
Typical Frequency Response of L855 at 5cm from the source

5. DIRECTIONAL CHARACTERISTICS

The L825 is an omnidirectional microphone. The L855 is a cardioid microphone. Their typical polar patterns are shown below



L825 Polar Pattern



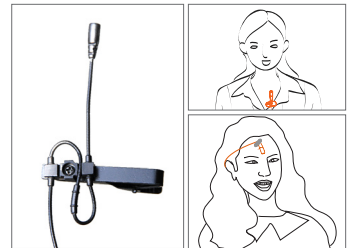
L855 Polar Pattern

7. MICROPHONE INSTALLATION

The L-Series can be combined with different accessories for a range of purposes, as shown below:

① Clip installation and mic placement

Collar Clip: C1028



For optimum performance results, the Lavalier microphone should be positioned as closely as possible to the sound source, so as not to be affected by clothing rustle. Ensure that the mic is pointing towards the user's mouth. Sometimes it may even be better to place the mic upside down to avoid "popping" effects.

② Connector installation

● LC131AK Microdot to TA3F for connection to an AKG transmitter



- LC241SH Microdot to 3-PIN XLR for connection to a SHURE transmitter.



- LC341AT Microdot to 4pin Hirose for connection to an Audio-Technica transmitter.



- LC031SE Microdot to mini jack with thread for connection to a Sennheiser transmitter.



- LC032SE Microdot to Lemo, for connection to a Sennheiser transmitter.



- LC441MW Microdot to mobile device for connection to iPhone, iPad and other smart devices.



8. WARRANTY POLICY

MicW Audio warrants that its products will be free from defects in material and workmanship for two (2) years from the date of purchase by the Original Purchaser.

9. CE MARKING



MicW L825 and L855 microphones conform to the relevant CE mark directives approved by the European commission

10. SPECIFICATIONS

Microphone L825	
Type	Condenser
Capsule diameter	4.0mm
Principle of operation	Pressure
Polar Pattern	Omni
Sensitivity(±3dB)	5.6mV/Pa
Frequency Response	20Hz~20kHz
Max. SPL(<0.1% THD)	126dB
Equ. noise level	31dB(A)
Power	0.8-5V DC
Operating	
Temperature	-17°C~+60°C
Cable Length	1.6m

Microphone L855	
Type	Condenser
Capsule diameter	4.0mm
Principle of operation	Pressure Gradient
Polar Pattern	Cardiod
Sensitivity(±4dB)	3.5mV/Pa
Frequency Response	10Hz~10kHz
Max. SPL(<0.1% THD)	130dB
Equ. noise level	40dB(A)
Power	1.3-3V DC
Operating	
Temperature	-10°C~+50°C
Cable Length	1.6m

11. WHAT'S IN THE KIT

The L825/855 Kits contain the following items:

- Microphone with Microdot connector
- 1 Connector Choice of microdot to Sennheiser Mini jack (LC031SE) or microdot to AKG(LC131AK) or microdot to Shure(LC241SH) or microdot to Senn 3-pin Lemo(LC032SE)
- 5 Windscreen black(WS018)
- 5 Windscreen yellow(WS018)
- 1 Croc Clip(CL028)
- 10 sticky tapes(TP011)
- User manual

12. OPTIONAL ACCESSORIES



LC341AT
Microdot to 4-pin Hirose (Audio-Technica)



LC241SH
Microdot to TA4F Switchcraft (Shure)



LC441MW
Microdot to iPhone or other mobile device



LC032SE
Microdot to 3-pin Lemo (Sennheiser)



LC131AK
Microdot to TA3F Switchcraft (AKG)



LC031SE
Microdot to mini jack with thread (Sennheiser)



PI50
Microdot to XLR adaptor – provides 48V phantom power

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Product features and specifications are subject to change without notice