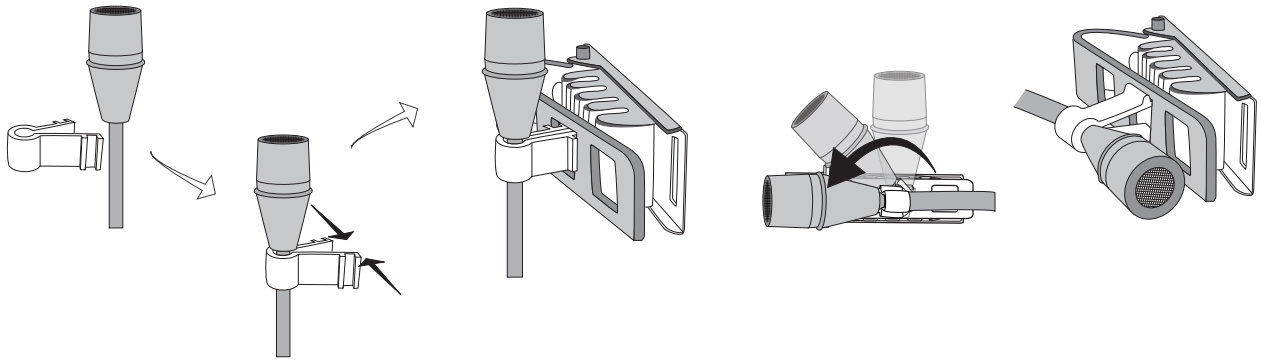
SHURE
LEGENDARY PERFORMANCE™

Multi-Position Tie Clip



Cable Loop

Route the cable in the clip with a loop to reduce cable noise.

Boucle de câble

Faire passer le câble dans la barrette en boucle pour réduire le bruit de câble.

Bucle de cable

Pase el cable por la pinza formando un bucle para reducir el ruido del cable.

Kabelschlaufe

Das Kabel in der Klammer mit einer Schlaufe verlegen, um Kabelgeräusche zu verringern.

Ansa del cavo

Per ridurre il rumore provocato dal cavo, inseritelo nella clip facendogli formare un'ansa.

Петля кабеля

Петля кабеля при установке в зажим уменьшает шум от движения кабеля.

ケーブルループ

ケーブルをループさせてクリップ内に取り回し、ケーブルノイズを低減します。

케이블 루프

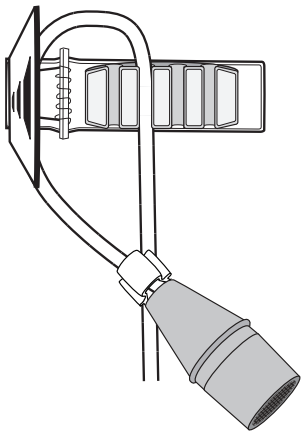
케이블을 루프로 클립안으로 지나가게 하여 케이블 소음을 줄입니다.

线缆环绕

将线缆从夹子上穿过，形成一个弯曲圆环以降低线缆噪声。

Pemutar Kabel

Arahkan kabel pada jepitan dengan pemutar untuk mengurangi kebisingan kabel.



Horizontal

Standard positioning for ties or dress shirts

Horizontal

Position standard pour les cravates ou les chemises

Horizontal

Colocación estándar para corbatas o camisas de vestir

Waagerecht

Standardpositionierung für Krawatten oder Oberhemden

Orizzontale

Posizionamento standard per cravatte o camicie

Горизонтальное положение

Стандартное крепление к галстуку или рубашке

横向き

ネクタイまたはドレスシャツ用標準位置

수평

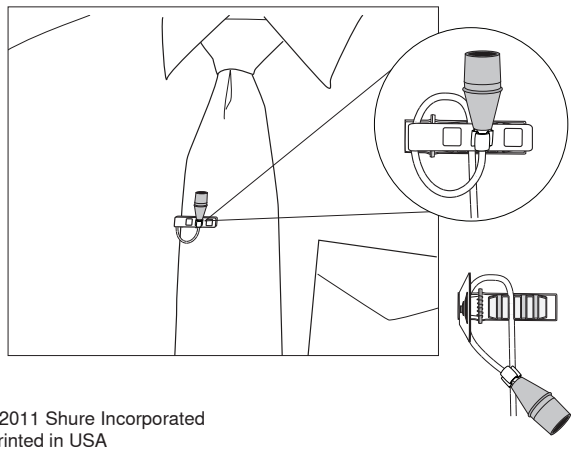
타이나 드레스 셔츠용 표준 포지셔닝

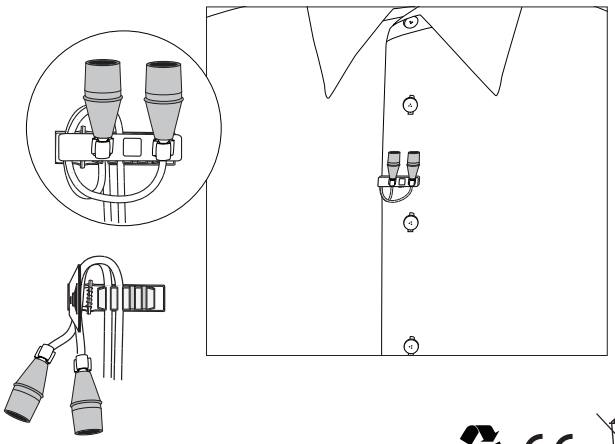
水平方式

适用于领带或衬衫固定的标准定位方法

Horizontal

Penempatan posisi standar untuk dasi atau baju kaos





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Vertical
For shirt collars or necklines

Vertical
Pour les cols de chemise ou les encolures

Vertical
Para cuellos de camisa o escotes

Senkrecht
Für Hemdkragen oder Dekolleté

Verticale
Per colletti o scollature

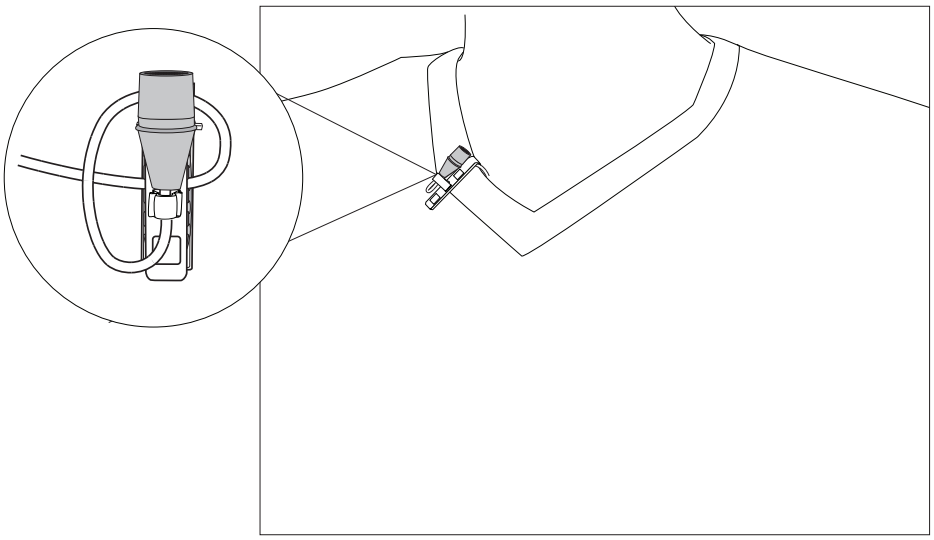
Вертикальное положение
Для воротничка рубашки или выреза платья

縦向き
シャツの襟またはネックライン用

수직
셔츠 칼라 또는 넥라인용

垂直方式
用于固定在衬衫领子或领口上

Vertikal
Untuk kerah atau leher kemeja



Shoulder Exit
The cables exit the top of the clip to route over the shoulder

Sortie à l'épaule
Les câbles sortent du haut de la barrette pour passer sur l'épaule

Salida para hombro
Los cables salen de la parte superior de la pinza para encaminarse sobre el hombro

Schulteraustritt
Die Kabel treten oben an der Klammer aus und werden über die Schulter verlegt.

Uscita spalla
I cavi escono dalla parte superiore della clip e passano sopra la spalla.

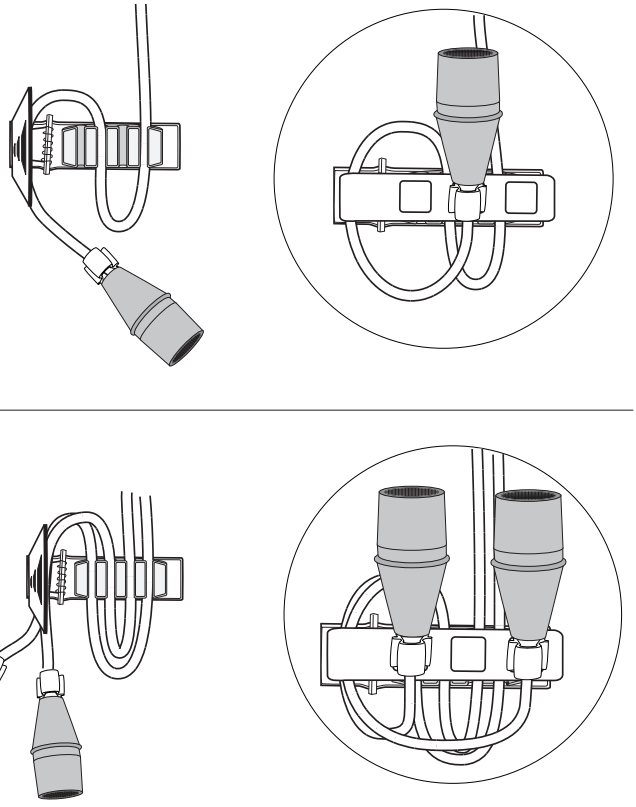
Вывод через плечо
Кабели выходят из зажима сверху и направляются через плечо

肩から出す
ケーブルはクリップのトップから出して肩に回します

숄더 엑시트
케이블이 클립 상단으로 빠져나가 어깨위로 넘어갑니다.

话筒夹顶部穿出
缆线从夹子的顶部穿出，从话筒夹顶部绕过

Keluar dari Bahu
Kabel keluar dari atas jepitan untuk diarahkan melewati bahu



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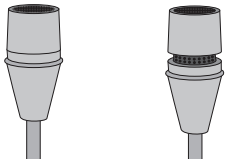
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SHURE
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MX150 Subminiature Lavalier Microphone



MX150B/O **MX150B/C**

General Description

The MX150 is a professional subminiature electret condenser lavalier microphone ideal for use in speech and other applications requiring low-profile, discreet placement. Available with cardioid or omnidirectional patterns, the MX150 provides uncompromised sound quality and high reliability with minimal visibility for use in television broadcasting, corporate lectures, A/V teleconferencing, House of Worship, and sound reinforcement. CommShield® Technology offers superior RF immunity from cellular devices and digital bodypack transmitters. Each microphone is supplied with a snap-fit foam windscreen to minimize wind noise and a multi-position tie clip with integrated cable management to minimize cable handling noise.

Model Variations

The MX150 is available in several varieties: **MX150B/C-TQG**

Ⓐ Ⓑ

Ⓐ Polar Pattern

C Cardioid

O Omnidirectional

Ⓑ Connectors

TQG For Shure transmitters with 4-pin TA4F/TQG connectors

XLR Includes the RK100PK in-line preamplifier

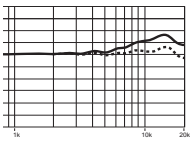
Features

- Available in cardioid or omnidirectional polar patterns and TQG (for use in Shure bodypacks) or wired XLR variations
- CommShield® Technology guards against interference from Cellular RF devices and digital bodypack transmitters
- Matte black, sleek, low-profile, design for inconspicuous placement
- Multi-position tie clip allows for a variety of placement options and features an integrated cable management system for convenient cable dress with minimized handling noise
- Kevlar-reinforced soft-flex cable design further reduces handling noise while providing superior flexibility for routing and placement
- User-changeable equalization caps for response shaping (omnidirectional only)
- Snap-fit, concise windscreen provides protection from plosives and wind noise with minimal visibility
- Legendary Shure quality, ruggedness, and reliability

Equalization Caps

The omnidirectional MX150B/O variations ship with two types of equalization caps for high-frequency shaping:

-----	**Normal:** Silver color screen; provides the most natural sound in most applications
———	**Presence Boost:** Black screen; provides a smooth, high-frequency boost

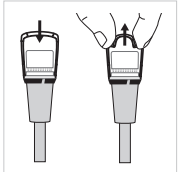


The cardioid MX150B/C variations are only compatible with the gold cap shipped with the microphone. Do not use the silver and black omnidirectional screens.

Snap-fit Windscreen

Use the furnished snap-fit windscreen to provide plosive and wind protection.

- Snap into the groove below the cartridge to secure to the microphone.
- To remove, grab the plastic cage in the windscreen and lift over capsule.



TQG Models

Using with Other Bodypack Transmitters

When connecting the microphone to anything other than a Shure wireless bodypack, ensure the device provides a regulated +5 V DC (130 μA minimum) to the red conductor. Refer to the wiring diagram in the specifications.

XLR Models

Phantom Power

The supplied RK100PK preamplifier requires phantom power and performs best with a 48 V DC supply (IEC-61938). However, it will operate with slightly decreased headroom with supplies as low as 11 V DC.

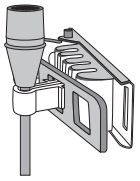
Most modern mixers provide phantom power. You must use a balanced microphone cable: XLR-to-XLR or XLR-to-TRS.

RFI Filtering

This microphone features CommShield® Technology for RF filtering. For best results in hostile RF environments, always use the RK100PK preamp furnished with the XLR versions of this microphone.

Mounting the Microphone

This microphone is furnished with a multi-position tie clip for flexible mounting options and reduced cable noise. Reference the furnished tie clip guide for placement and routing suggestions.



Accessories and Parts

Furnished Accessories

Multi-Position Tie Clip (3)	RPM150TC
Snap-fit Windscreen (3)	RPM150WS
Storage Pouch	WA150
In-Line Preamplifier (XLR version only)	RK100PK

Replacement Parts

Normal Cap, Gold, for MX150B/C (5)	RPM208
Normal Cap, Silver, for MX150B/O (5)	RPM213
Boost Cap, Black, for MX150B/O (5)	RPM215
4-Pin Mini Connector (TA4F/TQG)	WA330

Certifications

Eligible to bear CE Marking. Conforms to European EMC Directive 2004/108/EC. Meets Harmonized Standards EN55103-1:1996 and EN55103-2:1996, for residential (E1) and light industrial (E2) environments.

The CE Declaration of Conformity can be obtained from: www.shure.com/europe/compliance

Authorized European representative:

Shure Europe GmbH

Headquarters Europe, Middle East & Africa

Department: EMEA Approval

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75031 Eppingen, Germany

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Email: info@shure.de

Note: Information in this guide is subject to change without notice. For additional information about this product, please visit www.shure.com.

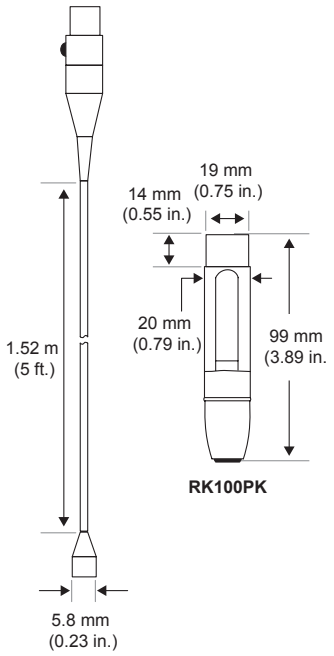
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27A15525 (Rev. 1)

Printed in USA

Specifications

	MX150/C			MX150/O		
Polar Pattern	Cardioid			Omnidirectional		
Transducer Type	Electret Condenser			Electret Condenser		
Frequency Response	20 to 20,000 Hz			20 to 20,000 Hz		
Output Impedance	**TQG:** **XLR:**	N/A 165.5 Ω		**TQG:** **XLR:**	N/A 165.0 Ω	
Sensitivity open circuit voltage, @ 1 kHz, typical	**TQG:** **XLR:**	-51.0 dBV/Pa[1] (3.0 mV) -39.0 dBV/Pa[1] (11.0 mV)		**TQG:** **XLR:**	-46.5 dBV/Pa[1] (4.5 mV) -34.5 dBV/Pa[1] (19.0 mV)	
Maximum SPL 1 kHz at 1% THD[2]		**2500 Ω load:**	**1000 Ω load:**		**2500 Ω load:**	**1000 Ω load:**
	TQG: **XLR:**	147.5 dB SPL 134.5 dB SPL	147.5 dB SPL 129.5 dB SPL	**TQG:** **XLR:**	143.0 dB SPL 130.0 dB SPL	143.0 dB SPL 125.0 dB SPL
Signal-to-Noise Ratio[3]	**TQG:** **XLR:**	57.5 dB 57.0 dB		**TQG:** **XLR:**	60.0 dB 59.5 dB	
Dynamic Range @ 1 kHz		**2500 Ω load:**	**1000 Ω load:**		**2500 Ω load:**	**1000 Ω load:**
	TQG: **XLR:**	111.0 dB SPL 97.5 dB SPL	111.0 dB SPL 92.5 dB SPL	**TQG:** **XLR:**	109.0 dB SPL 95.5 dB SPL	109.0 dB SPL 90.5 dB SPL
Self Noise equivalent SPL, A-weighted, typical	**TQG:** **XLR:**	36.5 dB 37.0 dB		**TQG:** **XLR:**	34.0 dB 34.5 dB	
Clipping Level @ 1 kHz, 1% THD		**2500 Ω load:**	**1000 Ω load:**		**2500 Ω load:**	**1000 Ω load:**
	TQG: **XLR:**	2.0 dBV 1.0 dBV	1.5 dBV -4.5 dBV	**TQG:** **XLR:**	2.0 dBV 1.0 dBV	1.5 dBV -4.5 dBV
Common Mode Rejection 20 to 20,000 Hz	**TQG:** **XLR:**	N/A ≥60 dB		**TQG:** **XLR:**	N/A ≥60 dB	
Polarity	**TQG:** **XLR:**	Positive pressure on diaphragm produces positive voltage on pin 3 with respect to pin 1 Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3				
Power Requirements	**TQG:** **XLR:**	5 V DC (0.04–0.18 mA) 11–52 V DC[4] phantom power (IEC-61938), <2.2 mA				
Weight	**TQG:** **XLR:**	21 g (0.7 oz.) 121 g (4.3 oz.)				
Operating Temperature Range	-18°C (0°F) to 57°C (135°F)					
Storage Temperature Range	-29°C (-20°F) to 74°C (165°F)					



[1] 1 Pa=94 dB SPL

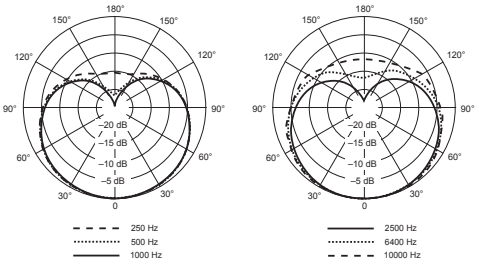
[2]THD of microphone preamplifier when applied input signal level is equivalent to cartridge output at specified SPL

[3]S/N ratio is the difference between 94 dB SPL and equivalent SPL of self noise, A-weighted

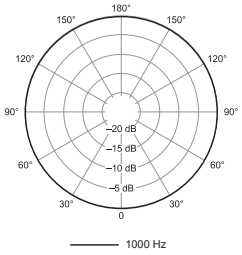
[4]All specifications measured with a 48 Vdc phantom power supply. The microphone operates at lower voltages, but with slightly decreased headroom and sensitivity.

Typical Polar Patterns

Cardioid

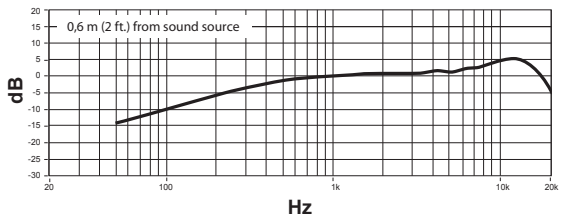


Omnidirectional

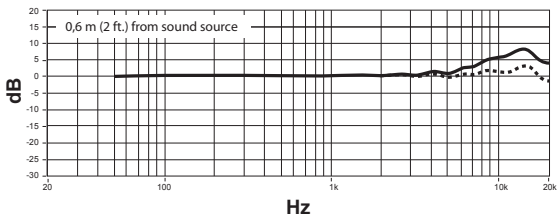


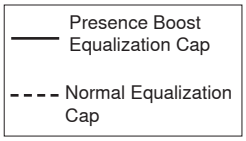
Frequency Response

Cardioid

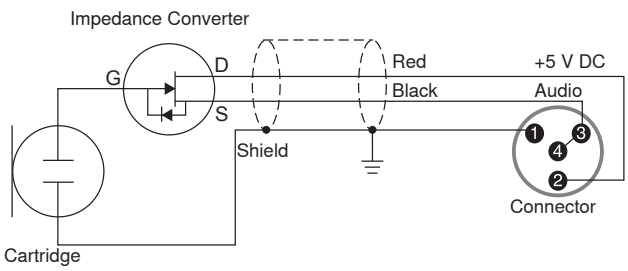


Omnidirectional





Wiring Diagram



Test Circuit

