

TwinPlex™ TL47 Subminiature Lavalier Microphones

Overview

The expressively natural sounding TwinPlex™ TL47 is available with color options and mounting choices for all professional applications. The low sensitivity can handle critical acoustic environments without distortion and the 1.6 mm paintable cable stands up to the most demanding and challenging situations. The TL47 is the go-to subminiature lavalier line for flexibility.

Features

- With a variety of colors, mounting options, and accessories, the TL47 is ideal for nearly any lavalier application
- Twice the surface area of other subminiature microphones for pristine, natural response and robust low-frequency response due to the patent pending dual-diaphragm design
- Improved off-axis consistency yields accurate reproduction regardless of vocal source position or movement
- Best-in-class low self-noise and dynamic range for cleaner audio production
- Interchangeable sweat- and moisture-resistant frequency caps prevent sweat-outs due to an invisible superhydrophobic nanoscopic coating
- Paintable 1.6 mm cable that is immune to memory effect and kinks
- Dual redundant ground in cable serves as secondary shield for longevity
- Sound signature: Natural
- Sensitivity: Low
- Colors: Black, Cocoa, Tan, White
- Connectors: LEMO, MTQG/TA4F, MicroDot, XLR/Preamp, NC (bare wire)
- Accessories: Available with or without accessories

Specifications

Microphone Capsule	Dual-Diaphragm, Prepolarized Condenser
Polar Pattern	Omnidirectional
Frequency Response	20 Hz to 20 kHz
Sensitivity at 1 kHz	-45.0 dBV (5.62 mV)
Self-Noise, A-Weighted, Equivalent Acoustical	24.5 dB SPL-A
Signal-To-Noise Ratio	69.5 dB
Output Clipping Level	3.0 dBV, 1 kHz at 1% THD, typical
Maximum SPL	142.0 dB SPL 1 kHz at 1% THD, typical
Dynamic Range	117.5 dB typical
Microphone Current Draw	120 to 240 µA, typical
Bias Voltage Recommended Operating Voltage	5 VDC
Housing	Molded ABS
Polarity	LEMO, NC, MDOT: Positive pressure at diaphragm leads to negative voltage with respect to ground MTQG, XLR connector: Positive pressure at diaphragm leads to positive voltage with respect to ground
Cable Diameter	1.6 mm
Cable Length	66 in. (1.67 m)
Microphone Length	13.5 mm
Microphone Diameter	5.6 mm
Net Weight with Cable	12.0 g (0.42 oz.)



TwinPlex™ TL47
Subminiature Lavalier
Microphone

Available Models

TL47B/O-LEMO	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, Black
TL47B/O-LEMO-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, Black with Accessories
TL47B/O-MDOT-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MicroDot Connector, Black with Accessories
TL47B/O-MTQG	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, Black
TL47B/O-MTQG-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, Black with Accessories
TL47B/O-NC-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with bare wire terminal, Black
TL47B/O-XLR-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with XLR Connector, Black with Accessories
TL47C/O-LEMO	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, Cocoa
TL47C/O-LEMO-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, Cocoa with Accessories
TL47C/O-MDOT-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MicroDot Connector, Cocoa with Accessories
TL47C/O-MTQG	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, Cocoa
TL47C/O-MTQG-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, Cocoa with Accessories
TL47C/O-NC-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with bare wire terminal, Cocoa with Accessories
TL47T/O-LEMO	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, Tan
TL47T/O-LEMO-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, Tan with Accessories
TL47T/O-MDOT-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MicroDot Connector, Tan with Accessories
TL47T/O-MTQG	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, Tan
TL47T/O-MTQG-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, Tan with Accessories
TL47T/O-NC-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with bare wire terminal, Tan with Accessories
TL47W/O-LEMO	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, White
TL47W/O-LEMO-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with LEMO Connector, White with Accessories
TL47W/O-MDOT-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MicroDot Connector, White with Accessories
TL47W/O-MTQG	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, White
TL47W/O-MTQG-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with MTQG Connector, White with Accessories
TL47W/O-NC-A	TwinPlex™ Subminiature Omnidirectional Lavalier, Low Sensitivity, 1.6 mm Cable with bare wire terminal, White with Accessories



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Furnished Accessories

- Frequency Caps, Flat Response, Qty. 3
- Frequency Caps, Presence Response, Qty. 2

-A SKUs add:

- Single Tie Clip, Qty. 1
- Dual Tie Clip, Qty. 1
- Standoff for Tie Clip, Qty. 5
- Vampire Mount, Qty. 1
- Sticky Vampire Mount, Qty. 1
- Foam Windscreen, Qty. 2
- Clear Sticky Mount, Qty. 1
- Sticky Mount Adhesives, Qty. 10
- Storage Case for TL Lavalier, Qty. 1

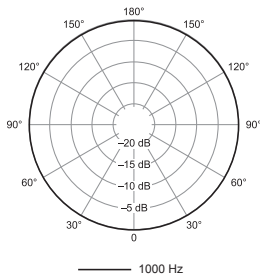


-A Included Accessories Shown

Optional Accessories

Replacement Connectors		Clips and Mounts		Preamps	
WA430	Replacement Neutrik mTQG connector kit, TA4F	RPM40STC/B	Single Tie Clip, Black, Qty. 3	RPM400TQG	Wired TQG to XLR Preamplifier with Beltclip
WA435	Replacement Neutrik mTQG connector kit, TA5F	RPM40STC/C	Single Tie Clip, Cocoa, Qty. 3	RPM400LEMO	Wired LEMO3 to XLR Preamplifier with Beltclip
WA445	Neutrik threaded collar shell for WA430/WA435	RPM40STC/T	Single Tie Clip, Tan, Qty. 3	MicroDot Adapters	
WA416	Replacement LEMO3, 1.6 mm connector	RPM40STC/W	Single Tie Clip, White, Qty. 3	MD40LEMO	MicroDot-to-LEMO3 Adapter
Windscreens		RPM40TC/B	Dual Tie Clip, Black, Qty. 3	MD40TA4F	MicroDot-to-TA4F Adapter
RPM40WS/B	Windscreens, Black, Qty. 5	RPM40TC/C	Dual Tie Clip, Cocoa, Qty. 3	MD40TA5F	MicroDot-to-TA5F Adapter
RPM40WS/T	Windscreens, Tan, Qty. 5	RPM40TC/T	Dual Tie Clip, Tan, Qty. 3	Other	
RPM40WS/C	Windscreens, Cocoa, Qty. 5	RPM40TC/W	Dual Tie Clip, White, Qty. 3	RPM40PREMNT	Preamplifier Mounting Kit
RPM40WS/W	Windscreens, White, Qty. 5	RPM40TC/M	Single Tie Clip Mix Pack (1 of each color)	RPM40PRECLIP	Beltclip for RPM400 Preamplifiers
RPM40WS/M	Windscreens (2 of each color), Qty. 8	RPM40VM/B	Black Vampire Clip, Qty. 3	RPM40KIT	Full Accessory Kit for TL Lavaliers
RPM40MWJ	Rycote MiniWindjammer, Gray, Qty. 2	RPM40VM/W	White Vampire Clip, Qty. 3	RPM40CASE	Storage Case for TL Lavalier
Frequency Caps		RPM40SM	Clear Sticky Mount Qty. 3		
RPM40FC/B	Flat cap, Black, Qty. 10	RPM40MM/B	Black Magnet Mount, Qty. 2		
RPM40FC/C	Flat cap, Cocoa, Qty. 10	RPM40MM/W	White Magnet Mount, Qty. 2		
RPM40FC/T	Flat cap, Tan, Qty. 10	RPM40SVM/B	Vampire Sticky Mount, Qty. 3		
RPM40FC/W	Flat cap, White, Qty. 10	RPM40TS	Adhesives for Sticky Mount. Qty. 15		
RPM40PC/B	Presence cap, Black, Qty. 10	RPM40TS/50	Adhesives for Sticky Mount. Qty. 50		
RPM40PC/C	Presence cap, Cocoa, Qty. 10	RPM40SO/B	Black Standoff for TL accessories, Qty. 10		
RPM40PC/T	Presence cap, Tan, Qty. 10	RPM40SO/C	Cocoa Standoff for TL accessories, Qty. 10		
RPM40PC/W	Presence cap, White, Qty. 10	RPM40SO/T	Tan Standoff for TL accessories, Qty. 10		
		RPM40SO/W	White Standoff for TL accessories, Qty. 10		

Polar Patterns



Frequency Response

