

## THE DEFINITIVE PAIR OF VOCAL MICROPHONES — ALL IN ONE.

The debate is finally over.

The **UT Twin87** captures the essence of both the original classic *and* modern incarnations of the "87-style" microphone design. For the first time ever, United has created a microphone that duplicates both circuits, and can reconfigure itself on the fly for an exceptional reproduction of the sonic capabilities of both microphones. The UT Twin87 features our own large-core, customwound, US-made output transformer, our own custom made 24k gold sputtered dual diaphragm/dual backplate K87 style capsule, and a whole assortment of selected, premium components such as polystyrene, tantalum, multilayer ceramic, WIMA film capacitors, metal and carbon film resistors, and hand-selected transistors.

Vintage, or modern? The UT Twin87 finally ends the debate with a new answer — both.



TWIN CIRCU TOPOLOGY.

The UT Twin87 offers the authentic sonic capabilities of both "87-style" microphones in one package. We extensively measured component values and types, and circuit differences between 'golden reference' specimens of the very earliest available microphones of this style, as well as some of the final revisions produced. These variations were studied, documented, and their audible differences were carefully teased out. No mere 'EQ/boost' circuit or digital gimmick would cut it — the UT Twin87 literally toggles between two discrete "87-style" circuit topologies, separated by nearly half a century.

In **Vintage mode**, the UT Twin87 polarizes its capsule directly by phantom power voltages, taking advantage of an insulated, dual backplate capsule design — just as the earliest "87-style" microphones did. The high-Z and de-emphasis circuitry use all of the same component choices as the original. This yields a slightly warmer, softer and forgiving sound.

In **Modern mode**, the capsule is polarized at a higher voltage using an FET oscillator circuit as found on later revisions of the classic mic, yielding a higher capsule sensitivity and feeding a hotter signal into the amplifier circuitry. Its high-Z and de-emphasis circuitry likewise use all of the same component choices as much later "87-style" designs. This yields a louder, slightly brighter and more articulate response, with an extended top end reach and a more 'up-front' character.





## IT'S NOT JUS ANOTHER MIC IT'S A UNITED Modern "87-style" microphones incorporate an output filter designed to block RF and EM interference — much debate has taken place over the years as to whether this filter enhances or harms the sonics of the microphone. The UT Twin87 has also ended this debate, as the filter can be engaged/disengaged at any time, in either Vintage or Modern mode! When the UT Twin87 is set to cardioid, anoth boutique modification is quietly engaged: t "true-cardioid mod". Rather than operate in active (switched) cardioid mode as per the standard design, the UT Twin87 will disengage the pattern select circuitry altogether and decouple from the rear diaphragm of the capsule. This yields a cardioid function that is slightly hotter, more pure, and boasts a better signal to noise ratio. With all of the extra features and high-end components, the UT Twin87 is a truly exceptional microphone — but it's real strength is it's accuracy in providing the same sound engineers have grown to love in every variation of the "87-style" circuit. We can't wait to hear the recordings you make with it. Check it out at your favorite dealer today!

## **Specifications**

**Type** | Condenser Microphone

Diaphragm

Dual-diaphragm, 6 micron, 24k gold sputtered Mylar (PET film)

Capsule

UT Series, 34mm brass, insulated dual backplate K87

**Power Supply** 

Ground

Frequency Response

117dB (no pad), 127dB (with bad) @ .5% THD

**Polar Pattern** 

**Output Impedance** 

**Amplifier Type** 

Field Effect Transistor

**Self Noise** 

<10dB (cardioid setting, no pad, no HPF)

Custom-wound UT Series transformer, made in USA

Output

**High Pass Filter** 

Pad

Connector

Mount

**Dimensions** 

Height: 220mm / 8.6" ameter: 55mm / 2.2" nockmount Depth: 190mm / 7.5"







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