

1. CM67

The Wunder Audio CM67 Tube Microphone is targeted to the professional with the most demanding criteria. These boutique microphones are hand assembled in Texas per customers order. Tubes are hand tested NOS EF86.

How to replace the vacuum tube

Disconnect microphone from PSU.

Remove the three nickel screws at the lower end of the microphone grille housing.

The Grille can be pulled off in upwards direction.

Next remove the small screw that is located several inches below the Wunder Audio diamond badge.

The Complete body shell can now be pulled off in an upwards direction.

The vacuum tube can now be removed by wiggling the tube with a downward motion taking care to clear the large black transformer below it.

Insertion of a new tube should be done in reverse order of the description above.

How to change the polar pattern.

Locate the pattern switch on the PSU. Use this switch to operate the Directional Characteristics: Omni-, cardioid-, figure-eight, and eight intermediate positions. The center position is the Cardioid setting.

As you turn from position to position it will take a few seconds for the polarization voltage to settle and achieve the desired polar pattern.

How to mount the microphone

A special shock mount/stand adapter is provided and should always be used to mount the microphone on floor stands or booms. The clamp of the shock-mount should be guided from the lower end of the microphone upwards until it is placed near the gravitational centre (slightly below the badge or centered over the badge). The shock-mount can now be placed with the microphone on stands or booms with standard thread sizes. It may also be swiveled against the stand axis to suit the recording angle.

Powering of the microphone:

The required PSU is included in the delivery. It is clearly marked and quite obvious by connector type and size, how to connect the microphone to the power unit with the supplied CM67 microphone cable. The audio frequency may be taken from the power unit transformer balanced by a conventional audio cable with standard XLR-type connector.

2. The CM67 Power Supply

This PSU supplies the microphone with the –6.3 volt filament and 210V plate voltage for the vacuum tube.

The CM67 PSU has internal AC voltage sensing and the user does not need to change any internal settings on the PSU to use with different AC voltages worldwide

Power Connector

Especially on tour, you may need to connect the unit to a power outlet that does not match the power connector on the supplied power cable. Purchase a matching power cable locally that complies with IEC and local safety standards and has a power connector with a chassis ground pin. While in the same area, use this “local“ power cable only.

3. Specifications of the Microphone

Directional Characteristics: Omni-, cardioid- Figure Eight

Cardioid (20 mV/Pa; 20 - 18,000 Hz)

Omnidirectional (11 mV/Pa; 20 - 18,000 Hz)

Electrical Impedance: 200 ohms

Powering: Via the included powering unit with 115/230 VAC

Maximum Sound Pressure Level: 120 dB

Connector: Large-sized Tuchel, 6 pin

Dimensions: 222 mm (8.75") 63 mm (2.48")

Shipping Weight: Approx. (~12 lbs.)

Included Accessories:

CM67, CM67 PSU

EF86 tube, connection cable

elastic suspension

quarter sawn oak case