

# The Wunder Audio CM7-GT/CM7 Comparison



"All Wunder Audio Microphones are hand made in the U.S. because we want to keep the quality of the metal work on same level as the early microphones, this is not is not achievable with modern CNC machinery, wildy used in China. Capsules, grille heads, rails, fine sanding surface on bodies, welding of capsule holders and baskets are purely a hand made process".

## **What's the difference between the CM7-GT and the CM7?**

The CM7-GT (Glass Tube) uses the Telefunken glass tube, which replaced the VF14/EF14 in 1960-1979. The CM7 uses a EF14 metal tube that is set up to behave like a VF14 tube.

The CM7-GT has no pattern switch on the chrome top grille like the CM7/U47. The CM7-GT has 9 patterns selectable from the PSU. The CM7/U47 has 2 patterns selectable from the grill, which achieves a more pure cardioid patten.

The CM7-GT Circuit is basically the same as the CM7. The main difference is the extra circuitry added to achieve the remote pattern changing. The CM7-GT does use a PCB, but all the critical high impedance parts are assembled point to point.

The CM7-GT and the CM7 both use the exact same transformer. The heart of both the CM7 and the CM7-GT is the custom wound "large Style" Neumann U47 transformer. This transformer was found only on the earliest U47 where the wound bobbin was actually 25% wider. This is the reason the CM7 is usually preferred over original U47's with the standard smaller transformer. The transformer is specially manufactured in the US for us by an ex-Telefunken Germany engineer. These are wound the old way on vintage machines. The earliest large transformer U47s are sought after sonically and achieve a little more saturation and low end.

The CM7-GT comes standard with the K47 capsule witch is identical to the original K47 used in the later versions of the original U47 (1959-1964). Our capsule has a bezel around the edge, which is far superior at electrical isolation. The M7 capsule can be special ordered in the CM7-GT for a small

up-charge. The CM7 comes with an M-7 capsule.

The Inside metal work on the CM7-GT is not historically correct like in the CM7 but has the same quality metal work since we make them in the same metal shop, but different parts. For example the CM7GT has no separate capsule compartment, so when you take the grill off the capsule stays with the body of the mic. The Grille of the CM7 and the CM7-GT is very unique in the way it allows a 1.5 db boost at 5k to take place with astonishing presence and then cuts 8K about 1dB to take the sibilance away. There is also a 1 dB bump at 10 k, then rolling off at 11k. This natural EQ is unbeatable. This unique grille has a fine gauge mesh wire sandwiched between an inner medium gauge and outer heavy gauge grille wire. We use the identical grille setup as the original U47. If the grille were changed to something simpler the frequency response would be much flatter and polite sounding taking away its cutting edge. The exact shape of the grille is also critical to achieve the proper resonances.

The connector at the bottom of the CM7-GT is not the full size U47 type Tuchel Connector found on the original U47/CM7 but is a 3/4 size Tuchel connector used on the U67/M269. The interior metal work on the CM7-GT is not historically correct like in the CM7. The CM7 Tuchel Connector and the interior metal work are all historically correct.