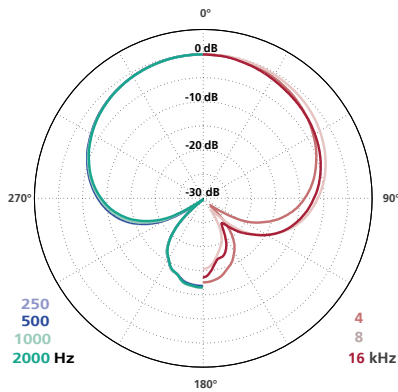


Indoor Location Recording

MK/CCM 41 Supercardioid Capsule

- supercardioid directional pattern
- high directivity, comparable to a shotgun microphone in the midrange and below
- natural sound quality (smooth frequency response which is largely constant for all angles of sound incidence — especially important for indoor recording)
- preferred applications: for film dialog; as spot microphone placed within an orchestra



The MK 41 is a condenser microphone capsule from **SCHOEPS'** modular "Colette" series, while the CCM 41 is a complete, compact condenser microphone with the identical transducer.

The distinguishing characteristic of the MK/CCM 41 is its supercardioid pattern, which suppresses diffuse room sound and gives a "dry", clear-sounding result.

The pattern is exceptionally uniform throughout the frequency range, so that the frequency response remains nearly constant for all angles of sound incidence. Even off-axis sound, though greatly reduced in volume, is picked up without false coloration. This has made the "41" a standard for indoor recording in the film industry.

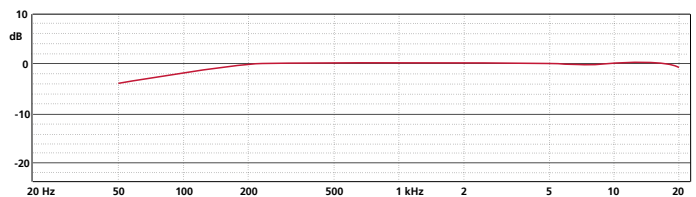
The uniformity of response at all angles of sound incidence is also a genuine advantage over shotgun microphones, whose sound quality depends on the direction of sound incidence and the distance from the sound source in a room. Only at higher frequencies does a shotgun microphone's directivity exceed that of a supercardioid.

Another decisive advantage of a supercardioid over a shotgun microphone is that the supercardioid can be smaller and lighter. The CCM 41 (or MK 41 capsule on a KC active cable) can be used on a boom pole very close to the ceiling or a wall. Windscreens and shock mounts for these microphone arrangements are also small and lightweight.



The miniature, phantom-powered amplifier in the CCM 41 has a balanced, symmetrical, low-impedance output that makes its signals resistant to interference. It follows the same circuit principle as the full-sized CMC 6 amplifier. Self-noise is as low as the Colette system, meeting the highest studio quality standards.

The CCM 41 L has a miniature Lemo output connector. A detachable 5-meter XLR adapter cable is included.



Frequency response of the MK/CCM 41 at 0°

Specifications	
Frequency range	40 Hz - 20 kHz
Sensitivity	14 mV/Pa
Equivalent noise level (A-weighted)	15 dB-A
Equivalent noise level (CCIR)	24 dB
Signal-to-noise ratio (A-weighted)	79 dB-A
Maximum sound pressure level at 0.5% THD	132 dB-SPL

Accessories for the MK/CCM 41

CUT 60

Active Low-cut Filter

- very steep filtering (fourth order, 24 dB/octave)
- recommended when using the MK 41 on a boom pole
- highly effective suppression of noise due to wind and vibration
- preserves the frequency range of speech signals

The CUT 60 prevents low-frequency noise and overload even before the signal reaches the CMC 6 amplifier. In the CUT 60, an active infrasonic filter with 24 dB/octave slope cuts frequencies below 60 Hz. Because of this low cutoff frequency, the filter does not affect the character of speech pickup.

For the CCM 41 compact microphone, the SCHOEPS LC 60 low-cut filter is available (slope: 18 dB/octave). It is placed in line with the XLR output connector of the microphone cable, and operates from the phantom powering of the microphone.



KC

Active Cable

- electrically active cable which allows any Colette capsule to be physically separate from its amplifier, e.g. on a boom
- the ultra-thin, lightweight but durable cable, with its Kevlar jacket, remains reliable despite repeated bending
- if a capsule is suspended on a KC cable, the cable will not twist even if the temperature changes



GVC

Variable-angle Joint for Capsule

- allows capsule to be aimed at any angle between 0° and 120° in either direction
- ideal for use with a boom microphone near a ceiling or wall



Microphone amplifiers for the MK 41

In **SCHOEPS'** "Colette" (CMC) microphone series, the amplifier is the electrically active component to which a capsule is attached. It provides a low-impedance, balanced signal and accepts powering for the microphone as a whole.

SCHOEPS CCM microphones, on the other hand, combine capsule and amplifier into one compact unit, with the same performance specifications as the "Colette" series.

The main difference, apart from size, is modularity. The "Colette" series offers a wide variety of capsules with different directional patterns and frequency response characteristics, which can be used interchangeably on any amplifier of the series; the CCM series offers complete, separate microphones with each of those transducer types. The "Colette" series also offers the ability for special accessories to be used between the capsule and amplifier of a microphone, including active accessories such as the CUT 60 filter or KC extension cable.

CMC 6 Microphone Amplifier

- modern microphone amplifier for use with 12-Volt or 48-Volt phantom powering
- flat frequency response
- extremely low distortion and noise
- highly resistant to interference from electrical or magnetic fields
- symmetrical, very-low-impedance output circuit
- can be used with very long cables

The CMC 6 works with any capsule of the Colette series, allows either 48-Volt or 12-Volt phantom powering, and offers especially effective protection from radio-frequency interference (cell phones, WiFi, TV and radio transmitters, wireless microphones and other recording equipment that radiates RF).

CMR Amplifier for Wireless Microphones

- for connecting **SCHOEPS** microphone capsules to wireless microphone transmitters
- only ca. 5% the power consumption of a phantom-powered microphone
- low-impedance, unbalanced output
- allows "wireless" reception from a boom microphone or from a moving sound source, e.g. dialog in a car

We produce the CMR on a made-to-order basis with output connectors as required. Please ask your Schoeps dealer or distributor for the list of compatible wireless microphone systems.



Windscreens and Suspensions

WSC Pianissimo PIANI-1

Basket-type Windscreen Set with synthetic fur cover

- for a Colette microphone (MK + CMC)
- compatible with the CUT filters (CUT 1, CUT 2 or CUT 60)
- OEM product by CINELA

The WSC Pianissimo is a highly effective windscreen system for microphones with length up to 21 cm. Its special shape gives it high acoustical transparency, with extremely low coloration of sound despite its high degree of wind noise suppression.



WSR 100 LU

Basket-type Windscreen Set with synthetic fur cover

- for one CCM 41 Lg
- OEM product by RYCOTE (Modular Windshield WS 9 Kit)
- small and lightweight
- suppresses solid-borne sound (handling noise) by means of lyre suspension and cable decoupling via Connbox
- 3/8" thread, e.g. for boom poles
- synthetic fur cover (Windjammer), for increased effectiveness, included in set



MINIX CCM LL

Miniature Elastic Suspension

- highly effective miniature elastic suspension for CCM 41 Lg and other CCM-series microphones with detachable cables

When combined with the special B 5 D windscreen, the MINIX offers a small, extremely lightweight, yet nonetheless highly effective suspension system for boom pole recording.

It uses the **SCHOEPS** Lemo-to-XLR cable (K 5 LU) that is included with each compact microphone (for CCM-L microphone types with detachable cables).



B 5 D

Windscreen

- highly effective foam windscreen with enclosed air space
- high degree of acoustic transparency; designed for music recording as well as dialog

