

MKH 800 TWIN

Microphones | MKH Condenser Microphones

Cat. No. 502431

General Description

The MKH 800 TWIN is a universal studio condenser microphone of exceptional quality. It includes a dual capsule consisting of two symmetrical push-pull transducers with high linearity. This is a "side fire" microphone with the two cardioid pick-up patterns of the transducer aligned back-to-back across the axis of the microphone. The signals of both transducers are not combined in the microphone in order to generate differing pick-up patterns but are available separately as two channels at the microphone output. This allows the pick-up patterns of the MKH 800 TWIN to be remotely adjusted. The signals can be combined in any desired way in the mixing console in order to create all pick-up patterns from omnidirectional to figure-8 with an infinite number of intermediate stages. Based on the legendary MKH 800, this microphone opens up to a new dimension of studio recordings.



Features

- The remote adjustability and the variable pick-up patterns make the MKH 800 TWIN a universal main microphone, soloist microphone or supporting microphone.
- The pick-up patterns can be set and optimised under monitoring conditions. In other words, it is not necessary to fix the pick-up patterns definitively before recording.
- A wide range of mixes for stereo and surround are possible (including in parallel).
- Saving of the microphone signals in two channels also allows an unlimited range of mixes to be realised at a later date.
- The high sensitivity ensures interference-free signal paths as a result of high signal levels. The inherent noise of downstream microphone amplifiers is thus of minor importance.
- Very low inherent noise prevents the masking of filigree sound structures. The depth of the acoustic can be heard more clearly too.
- High linearity of the transducers minimises the signal distortions and ensures the transparency of the sound even at high sound levels.
- The frequency response extends to 50 kHz, thus improving the resolution for complex acoustic details.
- Stable pick-up patterns minimise sound distortion in the direct and diffuse field.

Technical Data

Pick-up pattern	variable
Frequency response (microphone)	30 - 50000 Hz
Sensitivity in free field, no load (1kHz)	40 mV/Pa (-28 dBV)
Nominal impedance	100 Ω
Min. terminating impedance	2 kΩ
Equivalent noise level	12 dB (A)
Equivalent noise level weighted as per CCIR 468-3	20 dB
Maximum sound pressure level (passiv)	134 dB SPL
Dynamic range	122 dB(A), 114 dB (CCIR)
Phantom powering	48V +/- 4V
Current consumption	2 x 3.1 mA
Dimensions	d 27 mm, l 136 mm
Weight	172 g

- Negative acoustic effects caused by the housing and the sound inlet basket are minimised.
- The small, slim design and the optionally dark housing design (Nextel) make it visually unobtrusive.
- Delivery Includes: MKH 800 TWIN studio condenser microphone
MZQ 80 microphone clamp
MZS80 shock mount
AC 20 adaptor cable
(1 x XLR-5 socket to 2 x XLR-3 connector)
User manual
Aluminium transport case

Recommended Accessories

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| ■ Foam windshield MZW 80-ANT | Cat. No. 03780 |
| ■ Shock mount MZS 80 | Cat. No. 03685 |
| ■ Popperstopper MZP 40 | Cat. No. 03132 |

Variants

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| ■ MKH 800 TWIN Nx, black Nextel | Cat. No. 502083 |
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