



## MKH 416 P48 U3 Short Shotgun Microphone

The MKH 416 is a short gun interference tube microphone. Its excellent directivity and compact design, high consonant articulation and feedback rejection make the MKH 416 a superb all-round microphone for film, radio and television, especially for outside broadcast applications.

### Features—Benefits

- Interference tube principle
- Very low inherent self-noise
- High sensitivity
- Transformerless and fully floating balanced output
- Rugged, suitable for adverse climatic conditions
- Matt black all-metal body
- Increased directivity
- Optimum S/N ratio
- Lower gain on input channels required
- Lowest noise and greatest signal stability
- Highly immune to humidity in all conditions. Extremely stable.
- Visually “low key”

### Technical Data

Pick-up pattern	super-cardioid/lobar
Frequency response	40–20,000 Hz
Sensitivity (free field, no load)	(1 kHz) 25 mV/Pa $\pm$ 1 dB
Nominal impedance	25 $\Omega$
Min. terminating impedance	800 $\Omega$
<b>Equivalent noise level</b>	
A-weighted (DIN IEC 651)	approx. 13 dB
CCIR-weighted (CCIR 468-3)	approx. 24 dB
Max. sound pressure level	130 dB at 1 kHz
Power supply phantom	48 $\pm$ 12 V
Supply current	2 mA
Dimensions in inches	.74 x 9.84
Weight approx.	5.82 oz

## Product Variants

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MKH 416-TU3 - 12V A-B Powering Version

## Supplied Accessories

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1 MZW 415 windshield

## Optional Accessories

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Phantom battery power supply unit	MZA 14 P 48 U
Stand adapter	MZQ 100
Foam windshield	MZW 41
Shock mount	MZS 20-1
Basket windshield	MZW 20-1
Long hair windcoat	MZH 20-1
AC powered phantom supply for 2 mics	N 48I-2
Blimp windscreen	MZW 60-1

## Product Compatibility

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Film, radio and television, especially for outside broadcast applications.

## Architect's Specifications

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The microphone shall be a super-cardioid/lobar short interference tube microphone with the following: frequency response 40–20,000 Hz, sensitivity (free field, no load) 25 mV/Pa  $\pm$  1 dB at 1 kHz, nominal impedance 25  $\Omega$ , min. terminating impedance 800  $\Omega$ , equivalent noise level A-weighted approx. 13 dB, CCIR-weighted approx. 24 dB, max. sound pressure level 130 dB at 1 kHz, phantom powering 48  $\pm$  12 V, supply current 2 mA, dimensions .74 x 9.84 inches, weight approx. 5.82 oz. The microphone shall be a Sennheiser MKH 416.

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