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## VP64 -- Omnidirectional Dynamic Microphone

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### General Description

The VP64A and VP64AL are high-output omnidirectional handheld dynamic microphones designed for professional audio and video production. They combine exceptional performance and comfortable feel with a handsome on-camera appearance.

The VP64A and VP64AL are identical except for handle length. The 200 mm (7-7/8 inch) long VP64A is ideal for closeup use and can be used outside as well as indoors. The VP64AL is well-suited to location interviews, sports broadcasting, and other situations where the 244 mm (9-5/8 inch) length is an advantage.

The omnidirectional pickup pattern provides uniform pickup on or off axis, eliminating the need for critical microphone positioning. The VP64A microphones also feature a tailored frequency response with an upper midrange presence rise that adds crispness and clarity to speech. The cartridge utilizes a neodymium magnet for higher output and increased signal-to-noise ratio.

An internal rubber isolation mount protects the microphone cartridge and minimizes handling noise. A water-resistant mesh grille allows the microphone to be used during the most challenging weather conditions. The supplied windscreens further reduces “pop” and wind noise.

## Features

- Neodymium magnet for increased output and high signal-to-noise ratio
- Tailored frequency response with mid-range presence rise for optimum speech clarity
- Omnidirectional polar pattern that eliminates need for critical microphone positioning
- Internal isolation mount for low handling noise
- Water-resistant mesh grille repels water under challenging weather conditions
- Supplied windscreens for reduced pickup of pop and wind noise
- Comfortable feel
- Handsome appearance; ideal for on-camera applications
- Legendary Shure ruggedness

## Specifications

### Type

Dynamic (moving coil)

### Polar Pattern

Omnidirectional

### Impedance

Low (300  $\Omega$  actual)

### Output Level(at 1 kHz)

Open Circuit Voltage: -51.5 dBV/Pa (2.7 mV)

1 Pascal=94 dB SPL

### Frequency Response

50 to 12,000 Hz

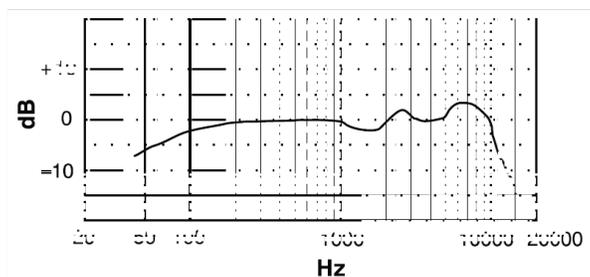


Figure 1: Typical Frequency Response

### Phasing

Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3. See Figure 2)

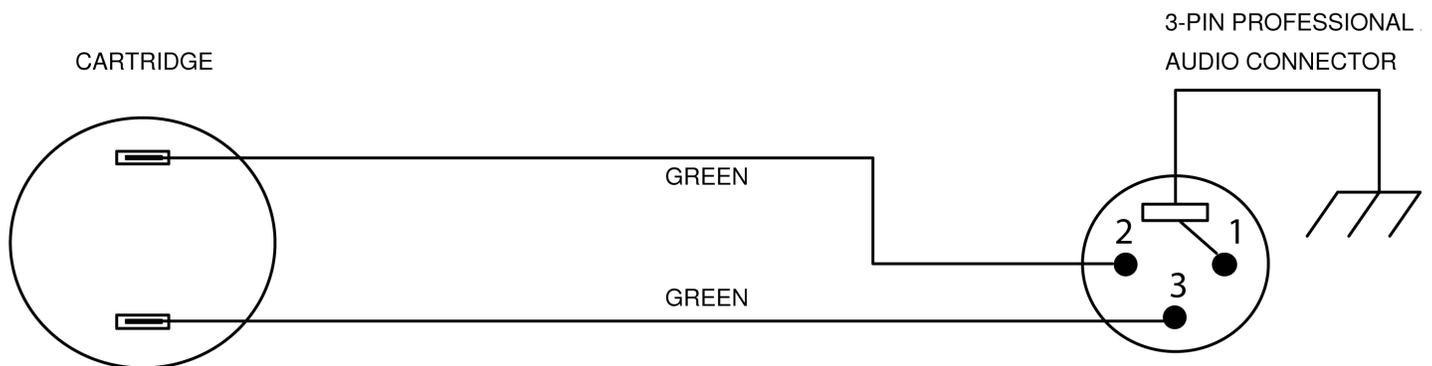
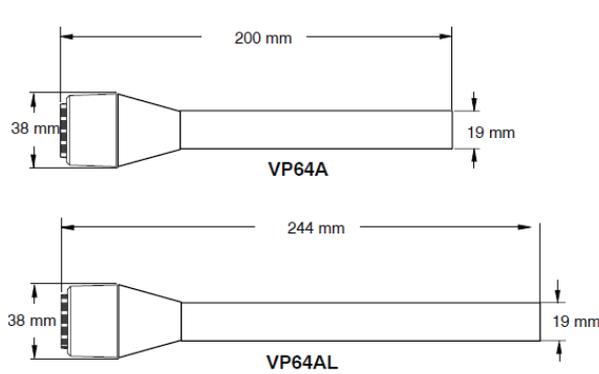


Figure 2: Internal Connections

## Dimensions



## Net Weight

VP64A: 158 g (5.6 oz)

VP64AL: 179 g (6.33 oz)

Eligible to bear CE Marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European Standard EN55103 (1996) parts 1 and 2, for residential (E1) and light industrial (E2) environments.

The CE Declaration of Conformity can be obtained from: [www.shure.com/europe/compliance](http://www.shure.com/europe/compliance)

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## Furnished Accessories

Microphone Clip for AMS26, BETA181, KSM137, KSM141, MX412, MX418, MX412S, MX418S, MX412SE, MX418SE, SM62, SM63, SM63L, SM63LB, SM81, VP64, VP64A, VP64AL and standard microphone stands	A57F
Windscreen	49A130

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## Optional Accessories

25 foot (7.5m) Triple-Flex® Microphone XLR Cable with Switchcraft connectors	C25E
Isolation Mount/Swivel Adapter for KSM109, KSM137, KSM141, SM63, SM81, SM94 and VP64	A53M
Carrying/Storage Bag	26A13

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## Replacement Parts

Cartridge for VP64A and VP64AL	R199
Screen	37A186B
Cartridge Housing Ring (VP64A)	31C1605A
Cartridge Housing Ring (VP64AL)	31C1605B
Plug Element	90C1984

For additional service or parts information, please contact Shure's Service department at 1-800-516-2525. Outside the United States, please contact your authorized Shure Service Center.