

The PG42 USB is a large-diaphragm FET condenser microphone intended for vocal applications. It is essentially Shure's PG42 microphone with an onboard analog-digital converter (ADC), and a USB Audio output in place of an XLR connector.

The ADC provides 16-bit, and up to 48-kHz digital audio conversion. A rotary control labelled "MIC GAIN" controls the audio signal level before digital conversion; levels can be monitored via a 3-color LED next to the gain control.

A mini audio jack on the rear of the microphone enables zero-latency monitoring of the input signal. A rotary control for the built-in headphone amplifier is provided, as is a "monitor" control to adjust the mix of live audio with the prerecorded track playing back from the host computer.

Two switches on the rear of the microphone enable a -15dB pad and a high-pass filter (-12dB/octave @ 120Hz).

All the PG27 and PG42 microphones utilize a one-piece, diecast internal frame, zinc diecast bodies, and hardened grilles that are riveted in place. The PCBs use surface-mount components, which help ensure high consistency from unit to unit.

All four mics (including USB versions of each) use a 34.9mm capsule, with a 6-micron, 27mm diameter diaphragm.

The PG42 USB includes the A27SM elastic shockmount and an aluminum flight case, plus a 9.8ft (3m) USB cable. The A32WS foam windscreen is available separately.

The PG-series microphones are manufactured in China to Shure's strict design specifications.

Permalink: [Shure PG42-USB](#)

The mic was released in 2009.

## Specifications

### Pickup Patterns

### Pads & Filters

 Cardioid (n/a mV/Pa; 20 - 20,000 Hz)

- Pad: -15dB (Via Switch)
- Filter: HPF: -12dB/octave @ 120Hz (Via Switch)

### Capsule Dimensions

### Impedance

### SPL/Noise

Diaphragm diameter: 27mm

Capsule diameter: 34.9mm n/a

Max SPL: 135 dB

Diaphragm gauge: 6 microns

### Weight Length Max Diameter Interface(s)

453g (15.98oz) n/a n/a

- USB (1)