

MICROPHONES

SMARTMUSIC OVERVIEW

With SmartMusic installed on a computer, students plug in an instrumental or vocal microphone and begin practicing. They play or sing their part with accompaniment and receive, in real time, detailed feedback on their performance. The software is ideal for instrumental and vocal musicians of all ages.

The SmartMusic microphone enables you to record performances, allows SmartMusic to assess and report on your performance, allows you to use the chromatic tuner, and allows SmartMusic to follow you with our exclusive Following feature.

WHY BUY A SMARTMUSIC MICROPHONE

We recommend the SmartMusic instrumental mic because it has been designed and optimized for use with SmartMusic. All of our mics have undergone extensive testing to ensure the best results with the software. Instrumental mics are equipped with a non-scratch clip that is small enough to clip on the bell of your instrument or on your shirt. The hinge is stiff but allows rotation so you can position the mic in the best location for your instrument. The ten-foot cable provides plenty of length to comfortably reach your computer.

The SmartMusic vocal mic is also optimized to work with the software. It offers a unique design that allows you to easily position the soft-flex mic boom for optimum voice input. It rests comfortably on your head without covering your ears so you are free to hear rich sound from your speakers. We also offer a vocal mic with built-in headphones.

Built-in mics and webcam mics are not supported with SmartMusic. These mics can pick up the accompaniment sound from your speakers, and may interfere with SmartMusic's assessment.

Insert the pink microphone plug into the microphone port (🎤) of your Windows® computer. Insert the green headphone plug into the headphone port (🎧) of your Windows computer.

Insert the pink microphone plug into the pink port of the USB adaptor. Plug the USB adaptor into a USB port on your computer. Insert the green headphone plug into the headphone port (🎧) of your computer.

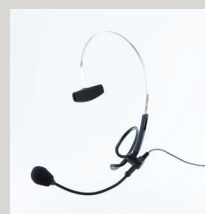
MICROPHONE TYPES



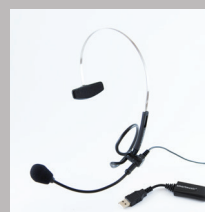
Instrumental Microphone
(Windows)
\$19.95



USB Instrumental Microphone
(Mac/Win)
\$29.95



Vocal Microphone
(Windows)
\$19.95



USB Vocal Microphone
(Mac/Win)
\$29.95



Vocal Headphone/ Microphone
(Windows)
\$29.95



USB Vocal Headphone/ Microphone
(Mac/Win)
\$39.95

SMARTMUSIC MIC CHECK

SmartMusic's Mic Check listens to you play or sing and automatically adjusts your mic level. The first screen in the Mic Check Wizard shows you how to attach the SmartMusic mic for your instrument or voice. Next, music that is appropriate for your instrument appears. Play your instrument or sing, and you will see the progress bar move across the bottom of the screen. When the mic level is set, you are ready to perform.

MICROPHONE SETUP

It's easy to set up your mic for use with SmartMusic. For Windows computers, insert the 1/8" mic plug into the microphone port (🎤), which is typically pink.

As Macintosh computers do not include a 1/8" mic port, a USB mic is required. For Macintosh, insert your mic into a free USB port. For best results, use a USB port that is on the computer rather than a port on an external USB input device, such as a keyboard or hub.

To configure your mic in SmartMusic, click Settings, and then choose a microphone.

APPLICATION NOTES

Please be careful when attaching the mic to your instrument. The mic cord should be positioned in a way that prevents it from being stepped on or wrapped around items in your practice studio. Always remember to unclip the mic when you are done.

If your mic level is consistently too high, try clipping the mic to a music stand a few feet away from your instrument. Make sure that the mic is at least four feet away from your speakers, otherwise it may pick up SmartMusic's accompaniment and interfere with your assessment results. If your mic level is consistently too low, you may not see all of the notes you played in your assessment results.

Position your speakers so that when sitting or standing, you are evenly between them. Keep the volume at a reasonable level—loud enough to hear yourself while practicing, but not loud enough so that the mic picks up the sound from your speakers. Headphones are an excellent solution if your mic is picking up too much sound from your speakers.

TECHNICAL SPECIFICATIONS

- Microphones are optimized for instrumental and vocal music (full-frequency response)
- Provides good quality recording with low noise
- Wide dynamic range (from a quiet student performer to a professional performer)
- Works on a variety of PC/Mac hardware
- Supports newer 1.8 V bias laptop soundcards (Windows)
- Supports older 3 V bias desktop soundcards
- Supports USB soundcards

MIC UNIT SPECIFICATIONS

- Microphone type: electret condenser
- Directional characteristic: non-directional (omni-directional)
- Frequency response: approx 40Hz – 20kHz
- Impedance: 1.6 k Ω 30% at 1 kHz (RL = 2 k Ω)
- Sensitivity: -63 dB 4 dB (0 dB = 1 V/Bar) at 1 kHz
- RL = 2 k Ω Vcc = 3 V
- Maximum input sound pressure level: 120 dB S.P.L.
- Signal to noise ratio more than: 38 dB or above at 1 kHz (1 Bar, A weighted network)
- Operation voltage: 3 V (DC 1.1 V ~ DC 10 V)
- Circuit current: 400 A max (Vcc = 3 V)

CLIP

- Metal construction
- Durable rubber tips to grip cloth or polished brass without scratching
- Complete assembly includes fitting the securing the mic into the clip
- Once fitted, the mic can be positioned freely
- The mic position is fixed after it is adjusted
- The clip tension feels reliable but is not overly strong
- The clip shape fits nicely into fingers, even for young children

WINDSCREEN

- Built-in windscreen to control plosives

CABLE

- Jack plug = 1/8" (Windows) USB (Macintosh)
- Cable length = 10 feet
- Pull test = 14 lbs each
- Cable gauge = 24 or 26 (each wire)
- Cable has stranded wire either braided or spiral wound for shielding
- Cable shielding has at least 70% coverage
- Cable diameter = 0.07"