



Philips SpeechMike  
Premium  
**USB dictation  
microphone**

**SPEECHMIKE**



**LFH3500/3600 series**

## Best-in-class recording

with Precision Microphone

The SpeechMike Premium takes dictation to a new level. May it be the free-floating studio quality Precision Microphone, a microphone grille with optimized structure, built-in noise-reduction pop filter, antimicrobial surface or the world's first motion sensor in a stationary digital dictation device – the SpeechMike Premium sets the new standard.

### Tuned for clarity

- Free floating, decoupled microphone for precise recording
- Microphone grille with optimized structure for crystal clear sound
- Integrated pop filter for perfect recording quality
- Large speaker area for premium playback

### Crafted for comfort

- Optimized control panel for comfortable working
- Ergonomically shaped for perfect fit in the hand
- Integrated motion sensor mutes microphone when not in use
- Freely configurable function keys for a personalized workflow

### Designed for detail

- Polished surface for reducing unwanted touch noises
- Barcode scanner for streamlined documentation
- Antimicrobial housing and buttons for hygienic working
- Laser-scanned, self-cleaning trackball for extra smooth operation



**PHILIPS**

# Highlights

## Free-floating de-coupled microphone



The microphone in the new SpeechMike Premium is decoupled from its housing for the most incredible crystal clear recording performance ever to be delivered by a desktop dictation device. The completely redesigned microphone suspension guarantees that almost no background, touch, click, air or structure-borne noise is recorded. This technique is derived from studio microphones to make sure there are no sound distortions whatsoever – and to guarantee outstanding speech recognition results.

## Metal microphone grille with optimized structure



A well-engineered microphone grille is able to make a high-end microphone as in the new SpeechMike Premium stand out even more. The hexagonal holes used for the metal grille feature three times more open surface than its predecessor, engineered to provide crystal clear recordings.

## Integrated pop filter



The microphone area of the SpeechMike Premium is made of many different layers to make it sound as clear and original as possible. One of those is a fleece inserted above and below the microphone capsule. The fleece filters out sound distortions such as pop and hiss noise, guaranteeing perfect results even if dictating closely into the microphone.

## Optimized control panel with tactile buttons and ergonomic zones design



Philips is the creator of the ergonomic zones design. SpeechMike Premium has been tested and proven by users to have the most comfortable fit in the human hand. The dictation zone is optimized to keep thumb movement to a minimum. The buttons needed for the actual dictation functions are placed centrally, in the area most convenient for the thumb, guaranteeing perfect ergonomics and non-fatiguing usage for the user. Less frequently needed function buttons are clearly arranged above and below. All buttons used are formed to give as much tactile feedback as possible.

## Ergonomically shaped rear housing with command key



As the rear of a dictation microphone is as important as the front, Philips put an emphasis on shaping it in a way so that it perfectly fits the human hand and reduces unintentional use of buttons. The trigger and the “command” button on the rear housing are engineered to be exactly where they need to be. There has never been a desktop dictation device that is as ergonomic as the SpeechMike Premium.

## A polished, pearl metal coloured housing



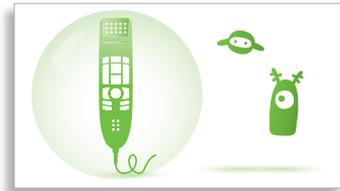
The housing of the SpeechMike Premium is made of high-class polymers. It is endowed with a polished surface and the material includes a pearl metal additive providing a high quality metallic effect and making it non-sensitive to touch noises and fingerprints.

## Up to 60 cm / 23 inches barcode scanning



Link client or patient data to a recorded file simply by scanning a bar code (SpeechMike Premium barcode devices only). The scanned information is automatically attached to the dictation file, streamlining the documentation process. All identifying information is entered accurately, increasing security and potential for cost savings. With the SpeechMike Premium, it's possible to scan barcodes from up to 60 cm / 23 inches distance, twice the distance compared to its predecessor.

## Antimicrobial housing and buttons



The SpeechMike Premium's housing and buttons are made of antimicrobial synthetics, guarding it against all kinds of germs. Antimicrobial materials work against a wide range of different microorganisms such as bacteria (e.g. pneumococcal bacilli and multiresistant microorganisms such as MRSA), viruses (e.g. HIV, influenza, etc.), fungi (e.g. Aspergillus niger), or algae. The antimicrobial effect on the SpeechMike Premium lasts for at least five years.

## Integrated motion sensor



Being on the cutting edge of technology, the Philips SpeechMike Premium comes with an integrated motion sensor, making it the first stationary dictation device that can be controlled by the movement of your hand. It detects when it's put on the table, mutes the microphone, and once it is being picked up again it unmutes the microphone. There are plenty of situations this feature can be greatly beneficial; just think of an incoming phone call or someone stepping in your office. In addition to that, custom events can be programmed, e.g., to pause and to continue the recording..

# Highlights

## Laser-scanned steel trackball



The SpeechMike Premium includes a built-in high-precision stainless steel trackball. Self lubricated and abrasive resistant Teflon bearings guarantee a smooth operation over the entire lifetime. In combination with a laser scanner and self-cleaning features, the trackball is as precise and durable as never before. On top of that, the trackball can even be taken out of the device for cleaning, if this should ever be required.

## Drag and drop enabled clickable trackball



The SpeechMike Premium trackball allows the user to click a double click as well as use it to drag and drop on their desktops. In playback mode, the trackball even works as volume control. Philips SpeechMikes are the only desktop dictation devices that offer this rich and versatile functionality.

## Now freely configurable instruction key



The Philips SpeechMike Premium is the most advanced dictation microphone to date – and to give the user even more room to personalize their devices, Philips has added an instruction key at the top of the control panel – of course fully and freely user configurable, especially useful for programming speech recognition commands.

## Larger speaker area



Compared to its predecessor, the SpeechMike Premium is equipped with a double sized-speaker area that enables it to play back recordings in clear and crisp quality.

## Smart, backwards compatible firmware



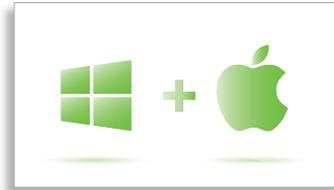
One of the biggest advantages of the SpeechMike Premium is that it is fully backwards compatible. Customers can upgrade from their previous model without installing additional software. For integrators, this means no changes need to be implemented and the existing SDK can be used. The SpeechMike Premium can be configured with the Philips Remote Device Management software and SpeechControl, works with SpeechExec workflow software and even includes a compatibility mode for the second generation of SpeechMikes.

## Wear-free metalized slider with ergonomic surface



The SpeechMike Premium with slide-switch comes with not just any normal slider. The slider is ergonomically shaped with a softly ribbed surface for an incredibly smooth tactile feedback and comfortable utilization, even for hours. In addition, our engineers implemented a millionfold proven contactless slider detection, making it completely wear-free for an extra-long lifetime.

## Mac and Windows compatible



SpeechMike Premium is compatible with Mac and Windows operating systems, as well as virtual environments such as Citrix, VM Ware and Hyper-V. It can be configured using SpeechControl, the convenient Philips hardware management tool.

## Four configurable function buttons



With four freely configurable function buttons placed at the lower area of the control panel, the SpeechMike Premium can be further personalized for any user and application. Work the way you want – a benefit that only a Philips SpeechMike offers.

# Specifications

## Connectivity

- USB: Highspeed USB 2.0

## Audio recording

- Microphone type: electret condenser microphone
- Microphone capsule: 10 mm
- Characteristic: uni-directional
- Frequency response: 200 – 12 000 Hz
- Sensitivity: -37 dBV
- Signal-to-noise ratio: > 70 dBA

## Sound

- Speaker type: built-in round, dynamic speaker
- Speaker diameter: 30 mm
- Acoustic frequency response: 300 – 7500 Hz
- Speaker output power: > 200 mW

## Barcode scanner (LFH3600/3610)

- Compatible bar codes: EAN, UPC, Code 11 / 39 / 93 / 128, Codabar, MSI Code, RSS, Interleaved 2 of 5, Discrete 2 of 5
- Laser class: class 1 laser product

## System requirements

- Processor: Intel Pentium 4, 1.0 GHz or equivalent processor
- RAM memory: 1 GB (2 GB recommended)
- Hard disk space: 250 MB hard-disk space for Microsoft.Net Framework, 30 MB for SpeechControl software
- Operating system: Windows 8/7/Vista (32/64 bit), Mac OS X 10.9/10.8
- Free USB port
- CD-ROM drive
- Graphics card: DirectX-compliant graphics card with hardware acceleration recommended
- Compatible with Citrix and Windows Terminal Server environments

## Green specifications

- Compliant to 2002/95/EC (RoHS)
- Lead-free soldered product

## Operation conditions

- Temperature: 5° – 45° C / 41° – 113° F
- Humidity: 10 % – 90 %

## Dimensions

- Product dimensions (W × D × H): 45 × 175 × 32 mm / 1.8 × 6.9 × 1.25 inch
- Weight: 0.200 kg / 0.441 lbs (LFH3500, LFH3510, LFH3520), 0.210 kg / 0.463 lbs (LFH3600, LFH3610) – including cable
- Cable length: 2.5 m / 8.2 ft

## Design and finishing

- Material: housing made of high-class polymers with antimicrobial additive
- Color: dark grey pearl metallic

## Package contents

- SpeechMike Premium USB dictation microphone
- USB cable (connected to device)
- Microphone holder
- CD-ROM containing software and user manual
- Quick start guide

# Versions

## LFH3500



- Push button operation

## LFH3510



- Slide-switch operation (record, stop, play, fast rewind)

## LFH3520



- Slide-switch operation (fast forward, record/play, stop, fast rewind)

## LFH3600



- Push button operation
- Integrated barcode scanner

## LFH3610



- Slide-switch operation (record, stop, play, fast rewind)
- Integrated barcode scanner



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