# PHILIPS

## SpeechAir

### Smart Voice Recorder

3 microphones

Wi-Fi, LAN, Bluetooth, USB

Slide-switch operation

Barcode scanner and camera

PSP2000 series

# Smart recording on the go

## with Wi-Fi and three professional microphones

The SpeechAir Smart Voice Recorder saves you time and resources by allowing you to work more flexibly than ever before. Integrated Wi-Fi functionality facilitates quick file download from any network. Recordings are encrypted in real time for maximum data security. The device also features three microphones dedicated to outstanding voice recording quality.

### Superior audio quality and design
· Three dedicated microphones for optimized voice recording
· Power saving feature for extended battery life
· Gorilla glass touch screen and shockproof, antimicrobial case for durability
· Wear-free slide switch and function key for ultimate usability

### Enhanced productivity
· Wi-Fi, LAN, Bluetooth, USB and VoIP to stay connected anywhere you go
· Barcode scanner and camera for quick file association
· Docking station for fast battery charging

### Designed for professionals
· Dictation mode to focus on dictation only
· File encryption for maximum data security
· Dictation software for an efficient workflow

### Build your own solution
· Software development kit (SDK) for SpeechAir customized app creation
· Hardware SDK for seamless integration into your own workflow solution
· Optional remote administration for hassle-free central administration

№1
In professional dictation

No 1 in SPS global customer satisfaction survey 09/2017.

# Highlights

### Three professional microphones



Three professional microphones deliver ultimate sound quality in any recording situation. The 360° microphone is ideal for recording dictations and meetings. The direction microphone is best suited for noisy environments. For VoIP telephony the SpeechAir uses a dedicated microphone.
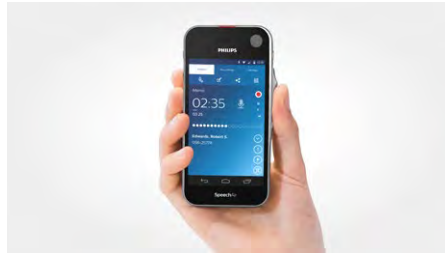
### Power saving feature



The power saving feature enables you to save battery power by setting a time interval for your SpeechAir to automatically turn off when you are not using it.

### Gorilla glass and antimicrobial case



Gorilla glass makes the device scratch and shock resistant. The device is shockproof according to US military standard 516.6. The optional case is made of antimicrobial synthetics that work against a wide range of different microorganisms to ensure hygienic working.

### Wear-free slide switch



The ergonomic and wear-free slide switch is designed for efficient single-handed operation without having to look down at the device. It allows for quick and easy dictation handling (play, pause, stop, fast forward, fast rewind). A customizable function key above the slider gives quick access to the dictation app.

### Wi-Fi, LAN, USB and Bluetooth



Save time by transferring your finished recordings wirelessly to your transcription staff and directly access patient or client data. Use Wi-Fi for VoIP calls and access your emails and calendar. Use Bluetooth to send and receive data or to connect external speakers.

### Barcode scanner and camera



The camera allows you to conveniently attach photos supporting your dictations. It can also be used as an integrated barcode scanner linking patient and client data to a recording.

### Docking station



The docking station with an anti-theft system (Kensington lock) automatically transfers all your recordings to your computer and quickly re-charges your device. The LAN connection allows you to transfer your files directly from the docking station without a computer.

### Philips Dictation app



The integrated recorder app comes with professional dictation features such as editing modes, priority, EOL flag, enhanced data and dictation list as well as sending options (to network folder, Philips SpeechLive services or email recipients). The Dictation Mode enables you to use your device for dictation only. Functions and keys irrelevant for dictating are disabled allowing you to focus on your core task.

### Remote administration



Optional remote administration using Philips Remote Device Management software allows IT administrators to manage, configure and update dictation hardware centrally, saving valuable time and resources.

# Highlights

## Maximum data security



Recordings are encrypted in real time using the Advanced Encryption Standard (AES) 256bit, which has been approved in the USA for the most highly classi ed government information. A PIN code protects the device against unauthorized use. Settings can be locked, for instance connection to Wi-Fi networks can be restricted.

## Hardware SDK



The Hardware SDK allows the integration of SpeechAir into other work ow solutions, such as hospital information systems (HIS) or law practice management software. This allows for example access to patient and client data directly on your SpeechAir to achieve a smoother work ow.

## Dictation workflow



SpeechAir also comes with Philips SpeechExec Pro Dictate software for an e cient and streamlined o ine o ce work ow (PSP2200). The Philips SpeechLive service transfers your dictation work ow to the cloud and features online speech recognition and a transcription service. (www.speechlive.com)

## Software development kit (SDK)



The software development kit (SDK) allows you to customize your existing app to use the diff rent microphones, speakers, slide switch, function key, microphone sensitivity and LED.

# Specifications

### Device
Slide switch type: International slide switch (record/stop/play/rewind)
CPU: Quad Core Cortex-A17 1.8 GHz
RAM: 2 GB LPDDR3
Internal memory: 16 GB (12 GB available)
Sensors: light sensor, motion sensor, optical proximity sensor
Vibration module
Customizable function button

### Dimensions
Product dimensions (W × D × H):
62 × 127 × 15 mm / 2.4 × 5.0 × 0.6 inches
Weight: 160 g / 5.6 oz

### Connectivity
Headphones: 3.5 mm / 1.4 inches
Microphone: 3.5 mm / 1.4 inches
USB: micro USB 2.0
Wi-Fi: IEEE 802.11 a/b/g/n
Bluetooth: 4.0
Docking station connector

### Display
Type: IPS with 16 million colors
Screen type: scratch resistant Gorilla glass touch screen
Diagonal screen size: 10.16 cm / 4 inches
Resolution: 480 × 800 pixels

### Audio (supported by operating system)
Recording format: AMR, ACC
Playback format: MPEG (MP1, MP2, MP3), WMA, WAV, APE, OGG (OGG, OGA), FLAC, AAC (AAC, M4A)

### Microphones
Directional microphone: for speech recognition
360° microphone: for meetings and dictation
MEMS microphone: for VoIP telephony

### Philips Dictation Recorder App
Recording modes: DSS Pro (DS2/mono), PCM Voice (WAV/mono)
Bit rate: 28 kbit/s (DSS Pro), 256 kbit/s (PCM Voice)
Edit modes: insert, overwrite, append
Recording time: 1073 hours (DS2), 117 hours (WAV)
Sample rate: 16 kHz / 16 bit
Supported barcodes: Code 39, Code 93, Codabar, Code128, Code 25, Code 11, MSI-Plessey, EAN, UPC, QR code, Data Matrix

### Speakers
Speaker type: built-in rectangular dynamic speaker
Dimensions front speaker: 6 × 12 mm / 0.2 × 0.5 inches
Dimensions rear speaker: 11 × 15 mm / 0.4 × 0.6 inches

### Camera
Resolution: 8 Megapixels
Autofocus
Flash
Image formats (supported by operating system): JPG, JPEG, BMP, GIF, PNG
Video recording formats (supported by operating system): H.264 / AVC (MOV, 3GP) up to 1920 × 1088 pixels (30fps)
Video playback formats (supported by operating system): MPEG-1/2 (DAT, MPG, VOB, TS) up to 1920 × 1088 pixels (30 fps), MPEG4 (AVI, MKV, MP4, MOV, 3GP) up to 1920 × 1088 pixels (30 fps), DIVX (AVI, MKV, MP4, MOV, 3GP) up to 1920 × 1088 pixels (30 fps), Real Media (RM, RMVB) up to 1920 × 1088 pixels (30 fps), H.264 (AVI, MKV, MP4, MOV, 3GP, TS, FLV) up to 1920 × 1088 pixels (30 fps), MVC H.264 (AVI, MOV) up to 1920 × 1088 pixels (60 fps), VP8 (WEBM) up to 1920 × 1088 pixels (30 fps), VC-1 (WMV, ASF, TS, MKV, AVI) up to 1920 × 1088 pixels (30 fps), H.263 (3GP, MOV, MP4) up to 704 × 576 pixels (30 fps), Sorensen Spark (FLV) up to 1920 × 1088 pixels (30 fps), ON2 VP6 (AVI, FLV) up to 1920 × 1088 pixels (30 fps), JPEG (AVI, MOV) up to 1920 × 1088 pixels (30 fps)

### Power
Battery type: built-in rechargeable Li-ion battery
Battery capacity: 3000 mAh
Battery lifetime: up to 20 hours of recording (DSS QP mode) and up to 22 hours (PCM mode), can vary depending on use case
Standby time: up to 160 hours
Charging time (full charge): approx. 3 hours

### Docking station
Product dimensions (W × D × H):
82 × 77 × 56 mm / 3.2 × 3.0 × 2.2 inches
Weight: 264 g / 9.3 oz
LAN connection
Kensington lock
Removable magnetic inlay for use with case

### Green specifications
Compliant to 2011/65/EU (RoHS)

### Operation conditions
Temperature: -5° – 45° C / 23° – 113° F
Humidity: 10 % – 90 %, noncondensing

### Security
Real-time fi e encryption
Encryption standard (Philips dictation recorder app): Advanced Encryption Standard (AES) 256 bits
Device lock with PIN code, password or pattern
Con gurable security settings with Software Development Kit (SDK) or con guration software
Lockable settings

### Package contents
SpeechAir Smart Voice Recorder
Docking station
In-ear headphones
2 USB cables
Power supply with international adapters: US, UK, Europe, Asia Paci c
SpeechExec Pro Dictate dictation software (PSP2200)
Quick start guide

### System requirements for Philips SpeechExec software
Processor: Intel dual core or equivalent AMD processor, 1 GHz or faster processor
RAM: 2 GB (32 bit)/4 GB (64 bit)
Hard-disk space: 100 MB for SpeechExec software, 4.5 GB for Microsoft .NET Framework
Operating system: Windows 10 (64 bit), Windows 8.1/7 (32/64 bit), Windows Server 2012 (64 bit), Windows Server 2008 R2 (32/64 bit)
Graphics: DirectX-compliant graphics card with hardware acceleration recommended
Sound: Windows-compatible sound device
Browser: Internet Explorer 9 or higher, or the current version of Chrome or Firefox
Free USB port
Internet connection for required software activation

# Specifications

## Additional system requirements for speech recognition software

Supported speech recognition software:
Nuance Dragon Professional 12.5/13, Nuance Dragon Legal 12.5/13, Nuance Dragon Medical Practice Edition 2/3, Nuance Dragon Professional Individual/Group 14, Nuance Dragon Legal Individual/Group 14, Nuance Dragon Professional Individual/Group 15, Nuance Dragon Legal Individual/Group 15, Nuance Dragon SDK Client Edition 14

Processor: Intel dual core or equivalent AMD processor, 2.2 GHz or faster processor

RAM: 4 GB (32 bit)/8 GB (64 bit)

Hard-disk space: 8 GB

Operating system: Windows 10 (64 bit), Windows 8.1/7 (32/64 bit), Windows Server 2012 (64 bit), Windows Server 2008 R2 (32/64 bit)

## Available accessories (optional)

Philips SpeechAir Case ACC1120
Philips SpeechAir Management Software
Philips Telephone Pickup Microphone LFH9162
Philips Meeting Microphone LFH9172
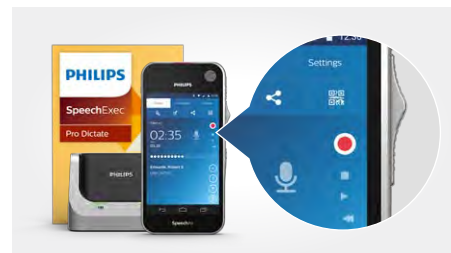Philips SDK for Dictation Hardware LFH7475

# Versions

### PSP2100



SpeechAir Smart Voice Recorder

### PSP2200



SpeechAir Smart Voice Recorder
SpeechExec Pro Dictation Software

Issue date 2018-06-12
Version 1.0

**www.philips.com/dictation**