Philips PSM6000 (SpeechOne) User Guide

A Comprehensive Guide to the Philips SpeechOne

A publication of Speech Recognition Solutions, LLC

Philips SpeechMike One Unofficial User Guide

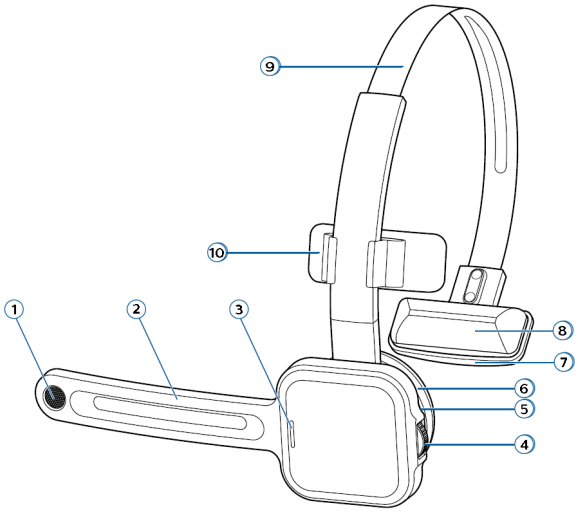
Congratulations on your purchase of a Philips SpeechOne. In your hands is the finest wireless headset for use with speech recognition and other transcription applications. Unique to the SpeechOne is the incredible clarity resulting from its proprietary "lossless" transmission. What this means is that while the audio signal is compressed, it is done in such a way that there is no loss in content. The result is crystal clear and highly accurate input of sound into your application absent the need to be tethered with a cable.

Contents

Device Familiarization

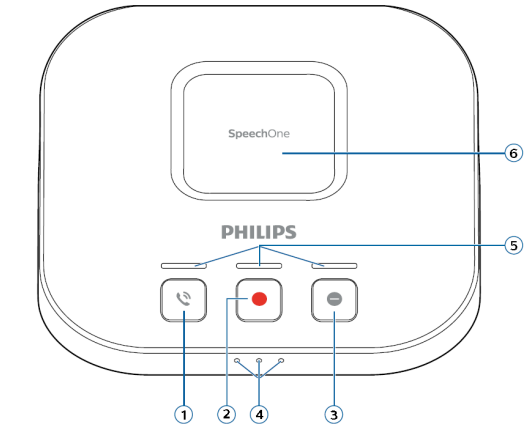
The images below, borrowed from the Philips User Manual, show the key features of the SpeechOne, docking station, and remote control

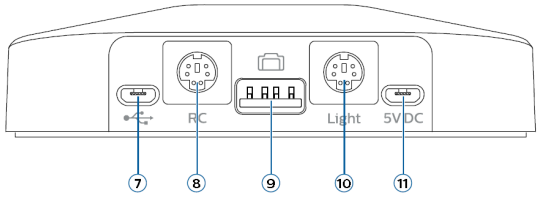
Overview of your SpeechOne



1. Microphone
2. Microphone boom
3. Status LED
4. Headset button
5. Speaker
6. Detachable magnetic ear cushion
7. Head cushion pad
8. Detachable magnetic head cushion
9. Headband
10. Headband attachment

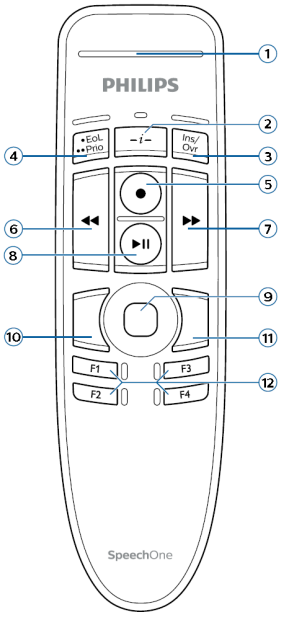
Overview of the docking station





1. Phone button
2. Record button
3. Do-not-disturb button
4. Battery and pairing LEDs
5. Button LEDs
6. Magnetic pad for headset charging
7. Micro USB port for PC connection
8. Remote control port
9. Foot control port
10. Status light port
11. Micro USB port for charging

Overview of the remote control (PSM6500, PSM6800)



① Record LED
② Instruction button
③ Insert/overwrite button
④ End-of-letter/priority button
⑤ Record button
⑥ Rewind button
⑦ Fast forward button
⑧ Play/pause button
⑨ Touch navigation/left mouse button
⑩ Left mouse button
⑪ Right mouse button
⑫ Programmable function buttons
⑬ Command button
⑭ Left mouse button

First Steps

Before yanking everything out of the box and trying to use the SpeechOne, we recommend you consider a few preliminary topics:

1. **Additional sources of information:** While the SpeechOne comes with a "Quick Guide", quite honestly this is a fairly useless document and don't expect this to arm you with any useable knowledge. Philips does publish a far more complete and helpful user guide entitled "Philips SpeechOne User Manual". Much of the contents of this publication arise from this document. If you haven't download this already, it's a great starting point, particularly in regard to the capabilities of the product. It doesn't dig too deeply into the SpeechControl application or address us of the Philips AirBridge as a lower profile means of wirelessly connecting the SpeechOne to your PC.

   Link to Philips PSM6000 User Manual:
   https://www.dictation.philips.com/fileadmin/Products/psm6000/ifu/psm6000_ifu_en.pdf

2. **The "SpeechControl" Application:** Practical use of the SpeechOne requires that you download and get at least a little familiar with the control application used for all programming of the headset, base station, remote control, and optional AirBridge dongle. This application is essential for performing a firmware update. Philips publishes both a Windows and Mac version

of the Speech Control application and you should download the appropriate version now. Here are the download links:

- Philips Speech Control Driver and Configuration Software – Windows ZIP version: https://www.dictation.philips.com/us/download-registration/?softwareId=4905&prodId=857

- Philips SpeechControl driver and configuration software – Windows ISO version: https://www.dictation.philips.com/us/download-registration/?softwareId=4910&prodId=857

- Philips SpeechControl driver and configuration software - macOS dmg file: https://www.dictation.philips.com/no_cache/us/popups/software-popup/?softwareId=4954&prodId=857

Support page for SpeechOne: https://speechone.com/us/products/desktop-dictation/speechone-wireless-dictation-headset-psm6000/

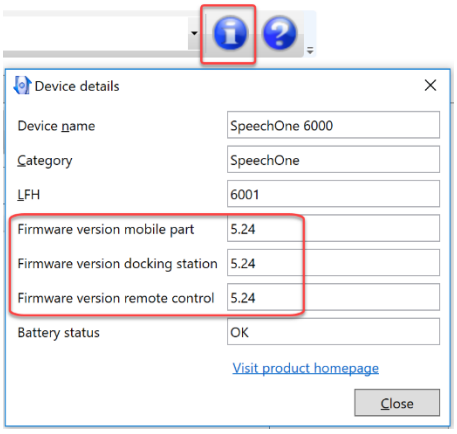
3. **Upgrade the firmware:** Before you use the SpeechOne, strongly consider setting up the SpeechControl application (described below) and obtaining the most recent firmware update. As of the publication of this unofficial user guide in August of 2019, version 5.26 is the most recent firmware, but Philips is still shipping units with version 5.19 firmware.

Upgrading the Firmware

Companies provide firmware upgrades for a reason: usually to resolve a bug or provide better functioning of the product. Unfortunately, there is often a lag in the development of a firmware upgrade and incorporation of this upgrade into the product distribution chain, so even a new product may not include the most recent firmware. You are strongly advised to check and upgrade the firmware in your own newly purchased SpeechOne.

Checking Your Firmware Version:

If you are curious to determine which firmware you are using, simply click on the "Information" icon near the top right of the Speech Control application while your SpeechOne is connected. As shown in the adjacent image, this will bring up a dialog box with all the firmware data.

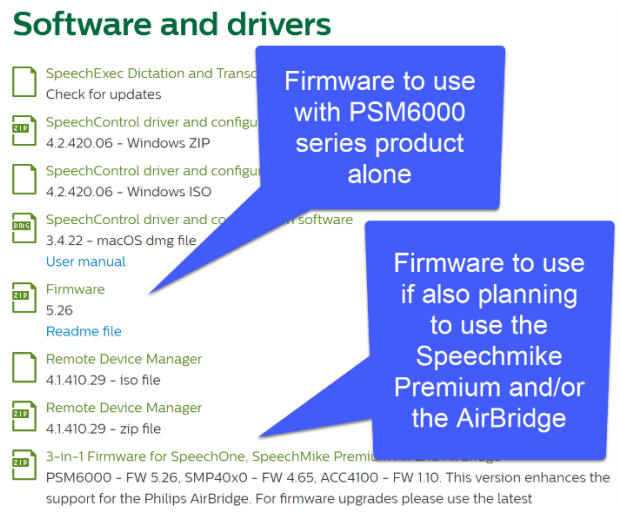


Updating the Firmware

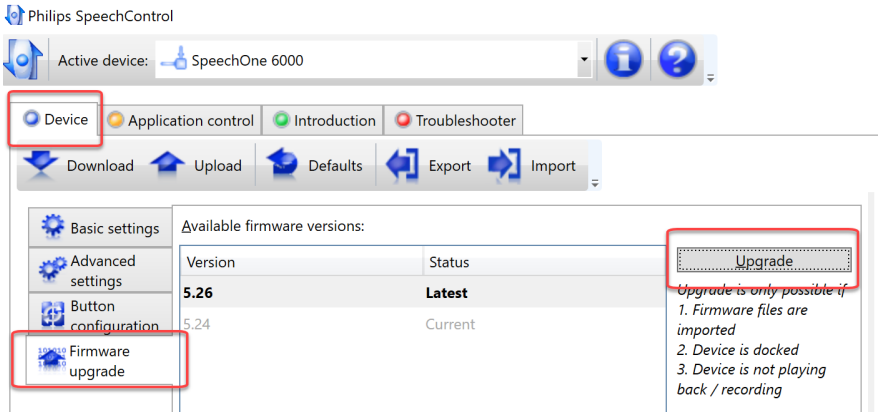
The process of upgrading the firmware is relatively straightforward. Here are the basic steps:

1. Download and install the SpeechControl software appropriate for your operating system. See link above or go to https://speechone.com/us/products/desktop-dictation/speechone-wireless-dictation-headset-psm6000/

2. Download the current firmware for the PSM6000. If you are planning only to use the SpeechOne, you can choose the simpler firmware version. If you also want to update the firmware in the Philips ACC4100 AirBridge, then you should select the 3-in-1 Firmware link. See image below:



3. Save the firmware to your downloads folder or anywhere you'll be able to find it later.
4. With your device connected, open the SpeechControl application and select the "Device" tab and then the "Firmware Upgrade" tab



5. At the bottom right of the SpeechControl app is a button named "Import", which will allow you to navigate to the location at which you saved the firmware during the download process. Click "Import"
6. Be sure your SpeechOne is attached to the docking station
7. Select the downloaded firmware from the list and click "Upgrade"

8. Wait a few minutes (without remove the headset from the docking station) as the upgrade is installed.

SpeechOne Operational Basics

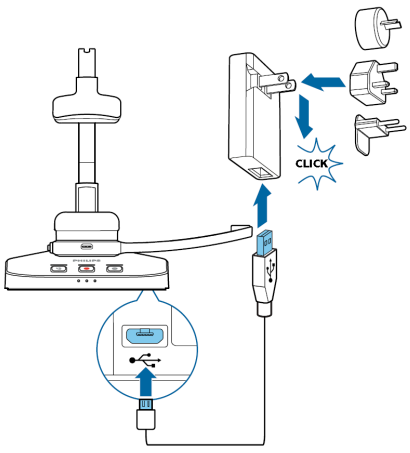
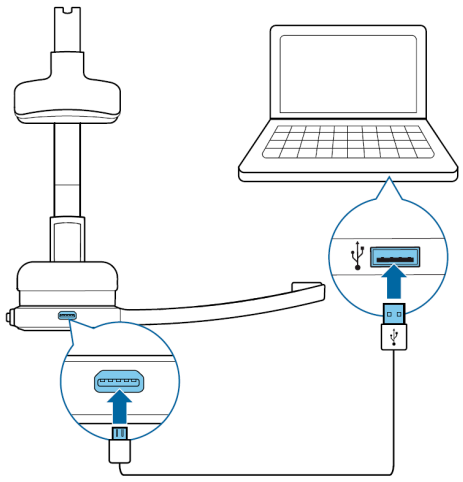
Charging the SpeechOne and Battery Basics

Here are the basics:

- The battery charge can be assessed by looking at the small while LED illuminations on the front of the docking station base. Three solid LEDs indicate a full charge
- A full charge takes 2 hours
- Battery life can be estimated as follows:

Battery LED	Battery status
● ● ●	more than 7 hours recording time left
● ● ○	7 hours or less recording time left
● ○ ○	2.5 hours or less recording time left

- Charging can occur either by placing the headset on the docking station or by plugging a micro USB cord into the appropriate jack on the side of the headset.

	
For charging, connect the headset to the docking station which in turn can be connected to a PC or, for dedicated charging without acting as a wireless connector, plugged into an AC source.	Charging the headset directly (note: connection of the headset as shown above does not provide an audio connection to the computer. It will communicate only wireless – either via the docking station or an AirBridge.

The Wireless Connection

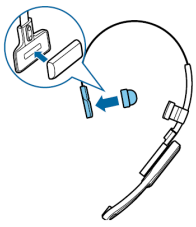
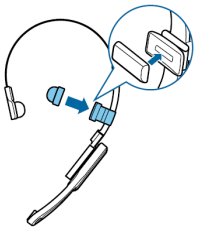
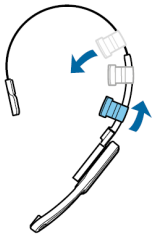
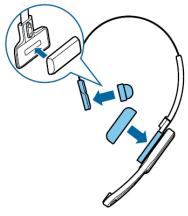
Keep in mind the following factors related to the wireless capabilities of the SpeechOne:

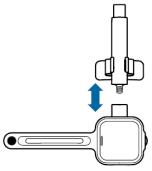
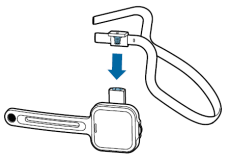
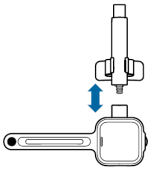
- Although the SpeechOne and headset do NOT need to be within line-of-sight, they should not be more than 5 meters (16 ft.) from each other. Closer distances will result in better performance.
- You will receive a voice prompt through the headset if you move out of range
- After 4 minutes of inactivity, the headset will go into "idle mode" and the LED on the headset will flash green; remove it from idle by picking up the headset – the LED will change to a steady green
- After 6 hours of no use, the SpeechOne will turn off to save battery life; the battery indicators on the base station will shut off; remove the device from the power down mode by placing the headset on the docking station for 4 seconds or press the headset button until the status LED glows green.
- If for any reason the SpeechOne loses its wireless connection or pairing with the docking station it will be manifested with all three buttons on the docking station glowing orange and the status LED on the headset glowing Red. Pairing can be re-established as follows:

    1. Press the Headset button on the headset until the LED turns off
    2. Release the Headset button and wait for LED to turn on again
    3. Disconnect the docking station from any power source (computer or ac charging)
    4. Connect the docking station to your computer or power outlet using the jack on the back marked with the USB symbol
    5. Return the headset to the docking station and wait about 4 seconds; the headset should be detected and pair with the docking station.

Wearing Styles

The SpeechOne can be used with any of several mounting styles. These styles are shown in the following table. The SpeechOne headband is removed from the microphone by simply pulling it up from the microphone at its attachment point. This is shown in the first image in the "neckband" row in the table below.

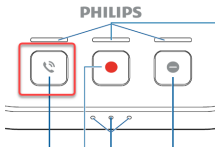
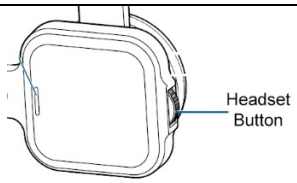
Headband				For many, the larger headband is the most comfortable and secure mounting method. It includes several points of padding (one on the ear and one on each side of the head).
Classic				This is the most lightweight mounting style and preferred by many. It is set up by removing the padding piece on the microphone side of the headband.

Neckband				Minimizing contact with your hair, this is a preferred style for many users.
Hand-held				Although not described by Philips, this is an alternative way of use the SpeechOne. Simply remove the headband from the microphone. The advantage is no interaction with your head, ears, or hair. You can leave the ear cushion in place or set it aside.

Using the SpeechOne for Skype Calls

The SpeechOne is designed to work seamlessly with Skype calls on your computer. The basics of using the SpeechOne with Skype are as follows:

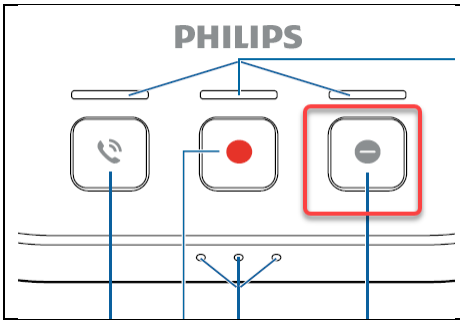
1. Note a Call: An incoming call is indicated by either of these events:
    a. The status light on the headset starts flashing red
    b. The LED associated with the phone button on the docking station glows green
2. Accept a Call: Accept a call by either pressing on the phone button on the docking station or press the headset button.

3. End a Call: To end a call, press either of the buttons you use to answer a call (image above)

Using the Status Light

The status light is designed to be mounted on your computer monitor or other convenient place and is designed to alert you coworkers about your being on a call or actively recording by glowing red. It is connected to the docking station using the included USB cable and should be plugged into the jack on the back of the docking station labeled “Light”. It will automatically glow red when you are actively recording and can also be activated by pressing the “Do-Not-Disturb” button on the front right of the docking station.

	The “Do-Not-Disturb” button will cause the Status Light to be illuminated even when you are not on a call or recording as means of indicating you are busy and wish not to be disturbed. Hint: don’t try to keep this illuminated all day – your colleagues will catch on!

Using the SpeechControl Application

Introduction to the SpeechControl Application

While the SpeechOne comes out of the box with a bunch of default settings to determine its general behavior and the consequence of button pushes, most users will find it helpful to do some personalization to the set-up. This is particularly helpful to those purchasing the PSM6500 and PSM6800, which include a hand-held “remote control” with programmable buttons. Also, as mentioned before, the SpeechControl application is also needed to check and upgrade the firmware on your device, which is an essential thing to do every few months.

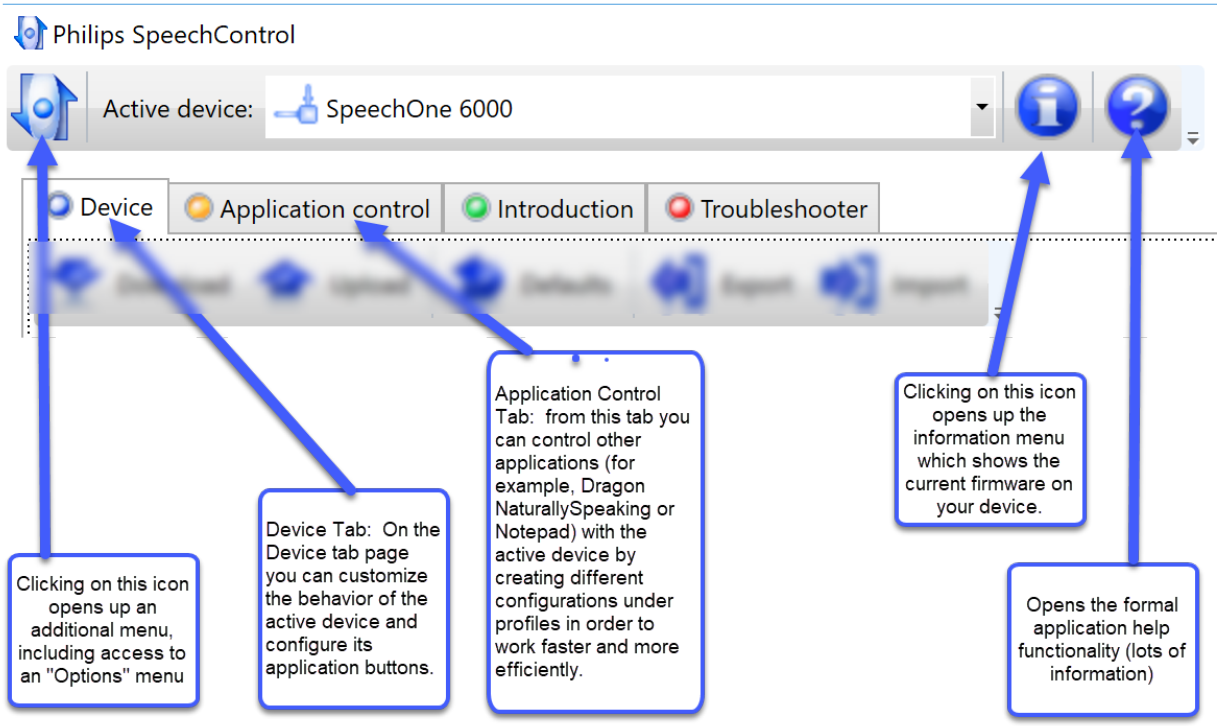
Some of the key functions and behaviors you can set using the SpeechControl application are the following:

1. Firmware upgrades: the software will both monitor for the presence of firmware upgrades and perform the firmware updates upon your direction.
2. General behavior of the device
3. Configure device buttons behavior: you can freely customize and assign various functions to each button on the remote control that comes with the PSM6500 and other Philips SpeechMike models
4. Configure the trackball mouse or SpeechMike touch pad to meet your preferences
5. Customize the pedals on the optional foot controls which will interface with the SpeechOne
6. Customize applications: you can create customized commands for applications which will either emulate hot keys or insert text into your document.
7. Customize Dragon commands: for users of Dragon NaturallySpeaking (including Medical Practice Edition (DMPE2 and DMPE4), you can program a button to emulate Dragon commands, such as “next field” and even your customized commands

The beauty of the SpeechControl application is that you can arrange for complete “profiles” to determine a set of behaviors specific to a particular workflow or software, and then simply switch the profile when in another environment during which different pushbutton behaviors are needed. As an example, you might have one profile for use with Dragon Medical One, another to use with Dragon Medical Practice Edition, and yet another one when working at your home desk writing a novel. These profiles can be saved, shared, and borrowed from others. In fact, Philips has included a variety of default profiles from which you can pick. Speech Recognition Solutions has created a few which are also available for download.

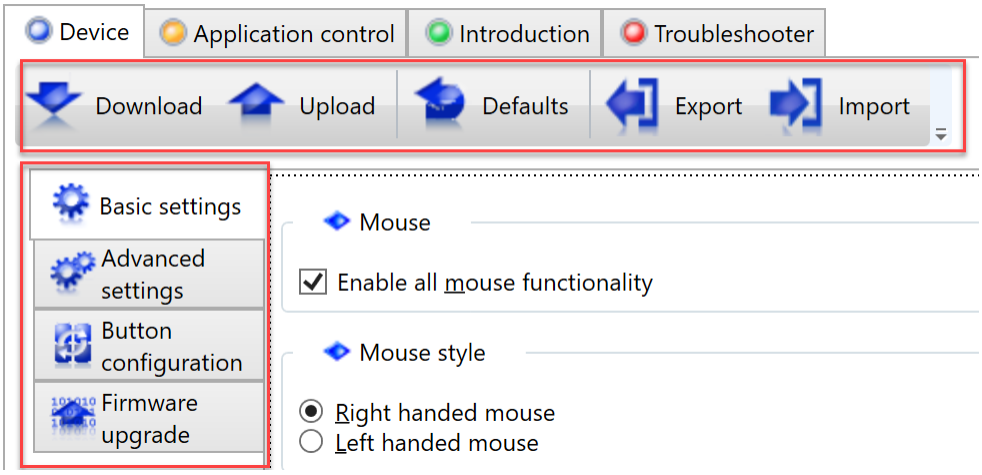
Overview of the Application

The basic functionality you will have upon opening the SpeechControl application are shown visually in the image below.



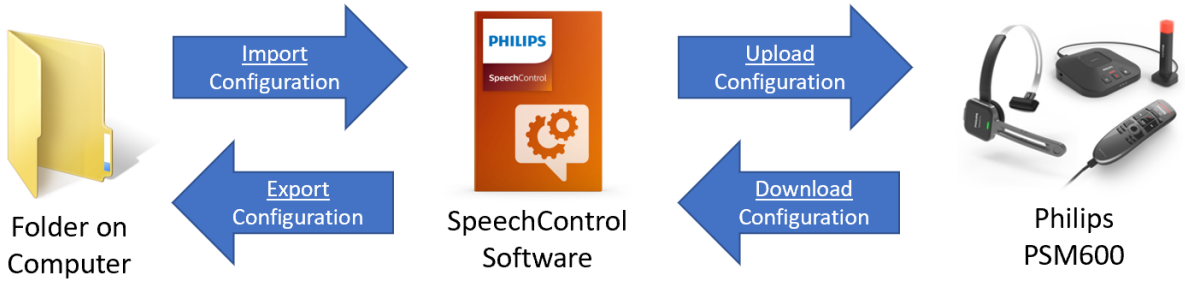
The Device Tab

The Device Tab is the key portal to the current functioning of your SpeechOne and, aspects of the docking station, and, if present, the buttons on your remote control. It is also the place where you can change the behavior of these devices. When you select the device tab, you will see all of the current programming which applies to your device as currently configured.



Moving your Device Configuration

The device tab includes four options which are spread horizontally near the top of the tab – these tabs pertain moving programming between the configuration software and your device and when needed to or from a computer for sharing.

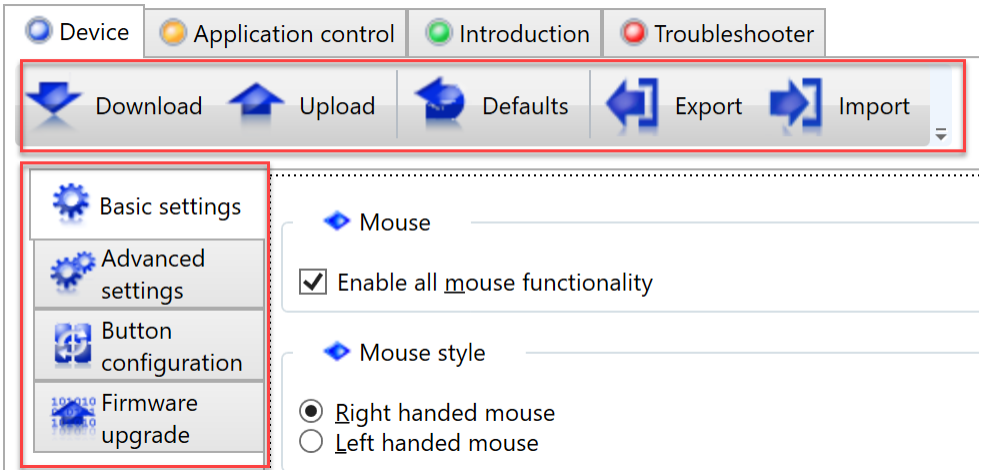


Changes in programming are not placed on the device until they are formally uploaded by means of the "Upload" button. Similarly, if you make changes in configuration on the SpeechControl application but have not uploaded them to your device, you can overwrite these changes by downloading the current configuration from the device to the SpeechControl software . The import and export options allow you to move the current device configuration from the SpeechControl software to a folder on your computer for sharing.

- Download: clicking on the download button downloads the current settings on your device to the configuration editor. Doing this will overwrite all the settings in your configuration editor. You might do this if you have changed a bunch of settings in your configuration editor but changed your mind before uploading these setting to your device and you want to re-populate the configuration editor with your current device settings.
- Upload: When you make changes in the various configuration menus (basic settings, advanced settings, button configuration) they are changed only in the SpeechControl application and not on your device. Clicking on the "Upload" button initiates the process of actually moving these settings to your device. Obviously, this is a key last step after making changes.
- Export: the "Export" functionality is used to export your current device settings to you computer. It will save these settings as an XML file. While the file will be saved by default to your MyDocuments folder, you have the option of changing the name and save location of the file.
- Import: If you or a colleague have saved device settings and you want to import them to your current device, the "Import" button is the means of doing this. Remember that once imported, you will still need to upload these settings to your device.

Device and Button Programming

Vertically placed under the device tab are tabs associated with a series of parameters you can alter on your device (Basic Settings, Advanced settings, Button configuration and Firmware upgrade). It is from these tabs that you set the actual behavior of the device.



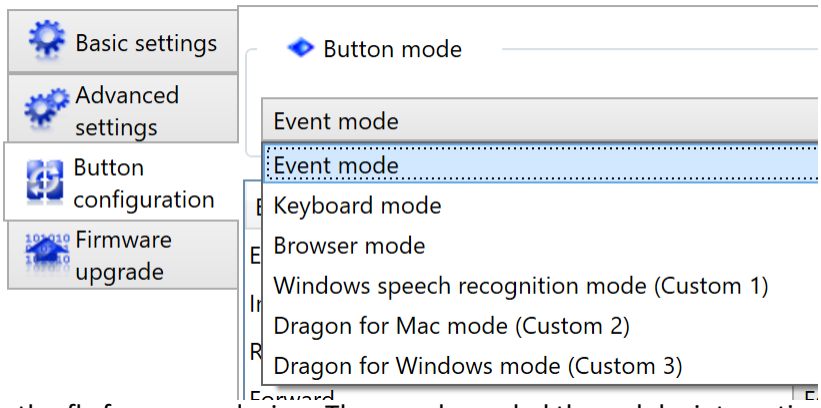
Device settings menu:

- Basic Settings & Advanced Settings: both of these settings-configuration areas pertain to more general functions of the connected device and not the button click behaviors. We recommend that you look through these settings, but in general the default settings tend to be fine for most users
- Button Configuration: this is the place where buttons on your device are programmed. Keep in mind a few things:
    - if you have the SpeechOne without the remote control (PSM6300), the only button you can program is the central (red) record button on the docking station.
    - if you have the remote control and it is attached, you will have the ability to assign functions to each of the 13 buttons.

Button Modes

Understanding button modes is key to unlocking the true potential of your Philips device. The SpeechControl application does not lock you into a single programming of your remote or the docking station, but allows you to work in one of several “modes”, with each mode representing a separate set of button programming which may differ from the programming in other modes and which are designed to tailor your programming as you move from one work environment to another. As an example, Dragon Medical One may use a different hot-key than DMPE4 or Windows Speech Recognition. By assigning a different hot-key function to the record button in each of three different profiles, you can simply switch to the appropriate profile when moving from one environment to another. You will also learn that you can create program specific functionality later in the guide, although tends to be slightly more complicated.

In the center of the screen while in the button configuration functionality, you will see a drop-down menu in which you can individually program button behavior for each of 6 “Profiles”. Profiles are subsets of programming, each designed for a different workplace or environmental setting, which can be selected on-the-fly from your device. They can be cycled through by interacting with your docking station or with your remote control (more on the methods later). If you don’t have the remote control, you will only be programming different settings for the record button on the docking station, but even this can be helpful. The 6 profiles are as follows:



1. Event Mode: the event mode is the default mode of your device when powered up, and each button is assigned to a specific command or behavior. This mode does not offer much flexibility for programming as the only options for each button are certain defined proprietary human interface device (HID) commands. While you can alter which of these proprietary commands are initiated by a given button, you cannot do further customization.
2. Keyboard Mode: the keyboard mode offers lots of flexibility and allows you to assign keyboard short-cuts. To the extent that some Dragon functionality (both DMPE2/4 and Dragon Medical One) can be initiated with keyboard shortcuts, while in the keyboard mode you can use keyboard shortcuts to control Dragon functionality.
3. Browser Mode: the browser mode is intended to allow you to control browser-based dictation applications. You have the ability to substitute specific keyboard shortcuts to default programming
4. Windows Speech Recognition Mode: this mode includes a series of keyboard shortcuts tailored to what you would need when using Windows Speech Recognition.

Use of Button Modes with the Remote Control

The remote control, which appears like a traditional Philips SpeechMike but absent the speaker and microphone and which is included with the PSM6500 and PSM6800 (not the PSM6300) has buttons which can be programmed. Although you can individualize this programming, Philips has pre-programmed the device with six pre-set modes from which you can select depending upon your needs. Each of the modes includes specific key programming for specific work/application environments and are shown in the table below.

The general purpose of each of the six modes and the default behaviors of each mode are shown in the tables below.

Event Mode: This is the default, and in this mode each button is assigned a command as programmed in the SpeechControl software. By default, these tend to be general commands used with the computer or common to many applications. Again, these can be changed to your liking using the SpeechControl software.

Keyboard Mode: This mode is intended to allow you to program keys on the remote to initiate keyboard short-cuts to control various computer applications. While Philips has defined default programming for this mode, you are free to change the programming of any button while this mode is live.

Event mode

Command
① Instruction
② Insert/overwrite/append
③ End-of-letter/priority
④ Record
⑤ Fast rewind
⑥ Fast forward
⑦ Play
⑧ Touch navigation/left mouse button
⑨ Left mouse button
⑩ Right mouse button
⑪ Programmable function button
⑫ Programmable function button
⑬ Programmable function button
⑭ Programmable function button

Keyboard mode

Command	Shortcut in SpeechControl
① Record/Stop (Dragon microphone on/off)	[NumKey+]
② Tab forward	[Tab]
③ Tab backward	[Shift+Tab]
④ SpeechOne microphone on/off	[Microphone ON/OFF]
⑤ Mark previous word(s)	[Ctrl+Shift+Left]
⑥ Next field (Dragon)	[Ctrl+Shift+N]
⑦ Play	
⑧ Touch navigation/left mouse button	
⑨ Left mouse button	
⑩ Right mouse button	
⑪ Show dictation box (Dragon)	[Ctrl+Shift+D]
⑫ Transfer text (Dragon dictation box)	[Ctrl+Shift+T]
⑬ Programmable function button	
⑭ Switch to hidden mode (Dragon Medical Practice Edition)	[Ctrl+Shift+H]

Browser Mode: These functions are designed to be used as shortcuts or commands to effect behavior in a web browser. Philips has chosen default programming for use with the "SpeechLive" cloud dictation solution, but you are free to change these to anything you want.

Windows Speech Recognition Mode: This mode allows you to operate the speech recognition installed on Windows machines (Window speech recognition or "Cortana") using button pushes on the remote.

Command
① -
② Insert/overwrite/append
③ -
④ Record
⑤ Fast rewind
⑥ Fast forward
⑦ Play
⑧ Touch navigation/left mouse button
⑨ Left mouse button
⑩ Right mouse button
⑪ Jump to start of dictation
⑫ Jump to end of dictation
⑬ Programmable function button
⑭ Programmable function button

Windows speech recognition mode

Command	Shortcut in SpeechControl
① -	
② Next field (Dragon)	[Tab]
③ Tab backward	[Shift+Tab]
④ Windows microphone on/off	[Ctrl+Win]
⑤ Mark previous word(s)	[Ctrl+Shift+Left]
⑥ Mark next word(s)	[Ctrl+Shift+Right]
⑦ -	
⑧ Touch navigation/left mouse button	
⑨ Left mouse button	
⑩ Right mouse button	
⑪ Copy	[Ctrl+C]
⑫ Cut	[Ctrl+X]
⑬ Paste	[Ctrl+V]
⑭ Programmable function button	[Ctrl+Shift+H]

<u>Dragon for Mac Mode:</u> Although the Dragon for Mac software has been discontinued by Nuance, for those still using it, this mode is designed to allow control of the software from the remote control.	<u>Dragon for Windows Mode:</u> For users of Dragon NaturallySpeaking (including the medical versions DMPE2 and DMPE4) this mode includes programming for use on your Windows computer and is pre-configured with Dragon shortcuts

Dragon for Mac mode

Command	Shortcut in SpeechControl
① -	
② Tab forward	[Tab]
③ Tab backward	[Shift+Tab]
④ Dragon microphone on/off	[⌘+F11]
⑤ Mark previous word(s)	[Alt+Shift+Left]
⑥ Mark next word(s)	[Alt+Shift+Right]
⑦ Play	
⑧ Touch navigation/left mouse button	
⑨ Left mouse button	
⑩ Right mouse button	
⑪ Copy	[⌘+C]
⑫ Cut	[⌘+X]
⑬ Paste	[⌘+V]
⑭ Programmable function button	

Dragon for Windows mode

Command	Shortcut in SpeechControl
① -	
② Tab forward	[Tab]
③ Tab backward	[Shift+Tab]
④ Dragon microphone on/off	[NumKey+]
⑤ Mark previous word(s)	[Ctrl+Shift+Left]
⑥ Next field (Dragon)	[Ctrl+Shift+N]
⑦ Play	
⑧ Touch navigation/left mouse button	
⑨ Left mouse button	
⑩ Right mouse button	
⑪ Show dictation box (Dragon)	[Ctrl+Shift+D]
⑫ Transfer text (Dragon dictation box)	[Ctrl+Shift+T]
⑬ Programmable function button	
⑭ Switch to hidden mode (Dragon Medical Practice Edition)	[Ctrl+Shift+H]

Additional Sources of Information on SpeechControl Application

Philips SpeechControl Technical Documentation and Advanced Configuration Guide: Available online at: http://diktat-stuttgart.de/WebRoot/Store17/Shops/d1e181c2-447b-412d-a5aa-02f04afa63a5/MediaGallery/DATENBLAETTER/PHILIPS/smp4000_4100/Benutzerhandbuch_SpeechControl_4.0_Workbook.pdf

SpeechControl 4.0 Mac Version Workbook: https://cdn.speech.com/fileadmin/Support/software/speechcontrol/speechcontrol4mac_ifu_3.3.pdf

Using the Optional AirBridge (ACC1400)

The use of a Philips AirBridge makes it easy to connect your SpeechOne wireless to your PC without the need for the docking station. This is the perfect set-up for the mobile user that cannot easily transport the docking station. In this scenario, the SpeechOne can charge with either the docking station or by means of the small USB port on the side of the headset.

Pairing the SpeechOne to the AirBridge

To pair the Philips AirBridge with a SpeechOne wireless headset follow the steps a described below:

1. Make sure that the SpeechOne is running the latest Firmware version
2. Make sure that the SpeechOne is **not connected** (physically or wirelessly) to a docking station. To assure this, physically disconnect the docking station from any PC or charging source so it powers down and cannot support a wireless connection with the headset.
3. Connect the Philips AirBridge to the PC and press the pairing button for 3 seconds. The pairing button is the black button on the end of the AirBridge.

4. The Connection LED will show an orange flashing light for 10 seconds.

5. Press the button(s) on the SpeechOne as shown below as long as the Connection LED on the AirBridge is flashing orange.

6. As soon as the Philips AirBridge and the wireless Philips dictation microphone are paired, both connection LEDs will light up in green.