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Philips SpeechMike Premium: User Guide

Introduction

Congratulations on your purchase of a SpeechMike Premium. The SpeechMike premium is our best-selling hand-held microphone and truly sets the standard in terms of comfort and functionality. It also represents a huge leap in technology by Philips. Made for the demanding workflows and requirement of the professional, this product combines the best of design, ergonomics, and functionality. Unique to this microphone is a suspended electret condenser microphone element which is "decoupled" from the housing to offer both unprecedented accuracy and immunity from background noise, touch, and click noises.

Key Features:

- USB interface (microphone does analog to digital conversion)
- 11 programmable buttons
- Suspended electret microphone element with high level of accuracy and external noise rejection
- Includes Control software for both Mac and Windows users (also works beautifully with our generic "Octopus USB Controller" for simple integration with Dragon)

Installing the "Device Control Center" Software

Before attempting to use the SpeechMike Premium, you should install the "Device Control Center" software. This software utility allows you to control the behavior of the SpeechMike, program the buttons, and is also the means by which device firmware upgrades are accomplished. Later in this guide you will see screen shots and learn more about using the device control software. The software is included on the disk which comes with the microphone.

Below we detail the set-up instruction when using the SpeechMike premium on a Windows-based computer:

1. Plug the USB end into any available USB port on your computer. If you are using a desktop computer, be sure to use the rear USB ports. We recommend against use a USB splitter or powered hub. Once inserted, drivers will be automatically installed by your operating system.
2. Insert the Philips CD included with the microphone into the CD/DVD drive. If the Philips Device Control Center install doesn't appear, browse the CD and launch the installer by double clicking on the icon called PhilipsDeviceControlCenter.
3. Follow all remaining installation steps (all very intuitive).

Completing Initial Set-up with Dragon

If you are new to Dragon and using the SpeechMike Premium as your first microphone when setting up your first user profile, there is nothing for you to do but select "USB microphone" as your sound source when creating your user profile and then "SpeechMike Premium" in the next step. You can skip the rest of this section.

For those switching from another microphone to the SpeechMike Premium, it is essential that you follow a few keys steps to assure that Dragon knows you have switched to the SpeechMike Premium and uses it as the preferred sound source. There are three ways you can integrate this microphone and we recommend the first of these three methods:

1. **Add the SpeechMike Premium as a new sound "source" to your existing Dragon user profile (recommended)** The advantage of this method is that it creates a separate version of your old profile, based on the sound characteristic of the new microphone, but with all of the personalized words and commands shared between the two (or more) versions of your profile.
2. Run the audio set-up wizard and, in effect, simply substitute the SpeechMike premium for your old microphone
3. Create a new user profile based on the SpeechMike

The manner in which any of the above methods is accomplished depends upon the version of Dragon you are using. Below we show the method employed in Dragon 13 and 12 when setting up the SpeechMike Premium as a new sound source on your existing profile.

Add the SpeechMike Premium as a new "Source" to an Existing User Profile	
Dragon 13	Dragon 12
1. Go to Profile > Manage Dictation Sources 2. From the Manage Dictation Sources window select your new audio source (SpeechMike Premium) 3. Click "Add New Dictation Source" 4. Follow subsequent steps	1. Go to the Profile menu and select "Add dictation source to the current User Profile …" 2. On the next screen select the appropriate type of sound source from the drop-down menu 3. On the next screen select the actual sound source 4. Follow all subsequent instructions

Button Programming: Two Options

The Philips SpeechMike Premium (and other Philips mics) can be programmed to control functions within Dragon and other applications using two methods: 1) using the Philips "Device Control" software that comes with the microphone and 2) using the SpeechWare Octopus USB Controller software.

- **Philips Device Control software**: The advantage of the Philips Device Control software is that it comes with your hardware and is available at no additional cost. The disadvantage is that it is fairly cumbersome, unintuitive, and somewhat slower in controlling Dragon functions. Even if you decide to use Octopus USB Controller to program your SpeechMike, you'll want to launch the Device Control software once in a while to upgrade the firmware or make changes in the device configuration.

- **Octopus USB Controller (OUC):** OUC costs $69.99 but is dramatically simpler and intuitive to use. We have found that button release functions – such as turning the microphone off with a button release – work with significantly less delay using OUC. This is our preferred method of controlling the SpeechMike. Be aware that you can download a fully functioning version of OUC and use it 5 times before needing to purchase an activation code. The only downside of OUC is that it does not provide the means to upgrade the firmware on the SpeechMike Premium. For this you will need to use the Device Control Software.
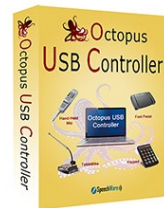
This guide focuses entirely on using the Philips Device Control software. For more information on Octopus USB Controller, please visit: http://store.speechrecsolutions.com/octopus-usb-controller-p164.aspx To download a fully functioning version of Octopus USB Controller to try, please visit: http://speechware.be/downloads/OctopusUSBController1_42InstallerSpeechRecSolutions.zip

## Customizing SpeechMike Keys and Settings

A variety of basic and advanced features of the SpeechMike Premium can be programmed using the Device Control Center. Once opened you will see that general properties of the device are programmed from the "Device" tab and that you will have both Basic and Advanced options which can be set. For more information on these functions, please refer to the help menu available directly from the Philips Device Control Center by clicking on the "?" icon (shown to the right).

The key steps in programming the device are as simple as this:

1. Alter the parameter you wish to change on either the Basic or Advanced tab
2. Click on the "Upload" button to transfer these changes to the device
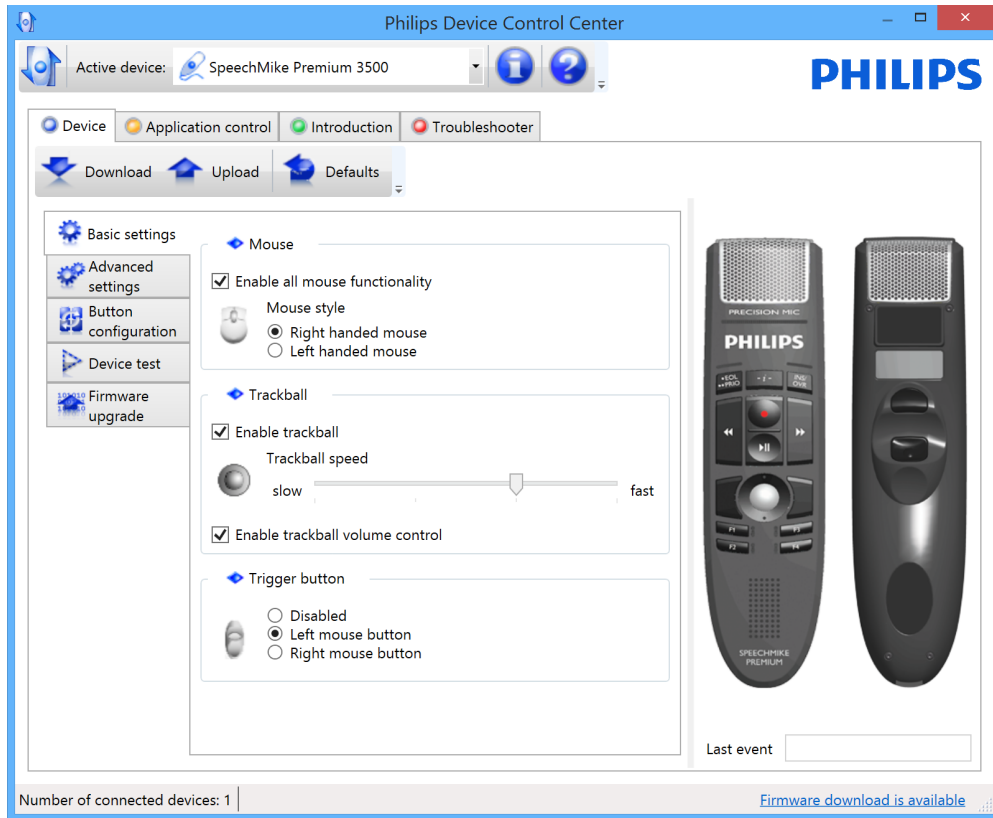
For more information on these functions, please refer to the help menu available directly from the Philips Device Control Center by clicking on the "?" icon (shown to the right).
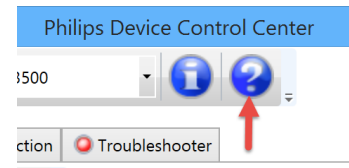
Key Programming: General Options

Using the OEM software it is possible to program a variety of functions to a key depression, release, or device key combination, including the following.

- **Hotkey**: Sends a specified hotkey with the optional modifier (Shift, Control, Alt) to the target application with one single button event to execute the needed actions (for example, to reach a menu item or change the screen resolution).
- **Text**: Sends a specified text to the target application by pressing the selected button on the active device.
- **Start Application**: Starts the target application with one single button event after specifying the executable file of the application and its start mode, which can be one of the following: Normal (normal window size), minimized (application is started as a taskbar button) and maximized (application is started in a maximized window)
- **Mouse button**: Sends mouse button pressed events to the target application with just one mouse click.

- **Dragon NaturallySpeaking command**: Executes the selected Dragon NaturallySpeaking command by clicking the specified button on the active device. Here you are also enabled to specify your own commands by selecting **User command** and entering the command into the text field.
- **Delay**: Suspends the execution of a command for the specified time. **Note:** The specified time must be between 10 and 30000 milliseconds.

In addition to each of the individual options listed above, it is possible to assign a series of steps into a script which includes several steps in sequence and which is initiated with a single button push.

Regardless of your intended use, the key steps in programming a button on the SpeechMike are these:

1. From the **Application Control** tab, select the **Target Application Profile** (usually "default ..")
2. In the list of buttons, navigate as needed to the button you wish to program
3. Click on the gray box to the right of either the pressed or released section for your desired button – the Edit Operation window will appear
4. Delete any unwanted behavior by selecting it and clicking on the "delete" button
5. Click on the "Add" button to assign a new behavior to the button event
6. Select the desired behavior
7. If necessary add any specifics
8. Upload the settings to the active device by clicking the **Upload** menu item.

Programming Keys for Interaction with Dragon NaturallySpeaking

Specific Dragon-related functions, hot-keys or commands which can be programmed to any button are listed below. When "User Command" is selected you are given the subsequent option of adding the text used to verbally initiate your command.

- Microphone on
- Toggle Microphone
- Microphone off and stop
- Play from cursor
- Playback toggle
- Create new command
- New word
- Train word
- Move cursor backward
- Move cursor forward
- Select words backward
- Select words forward
- Show collection menu or dialog
- Show dictation box
- Capitalize that
- Compound words
- Transcribe recording
- Transfer
- Tab forward
- Next field
- Previous field
- Clear delimiting characters
- Switch to normal mode
- Switch to dictation mode
- Switch to command mode
- Switch to number mode
- Switch to spell mode
- User command

Refer to the diagram below and steps which follow in order to assign a Dragon NaturallySpeaking

function to a button push or button release on a Philips SpeechMike. A similar process is used for assigning non-Dragon functions to a key.
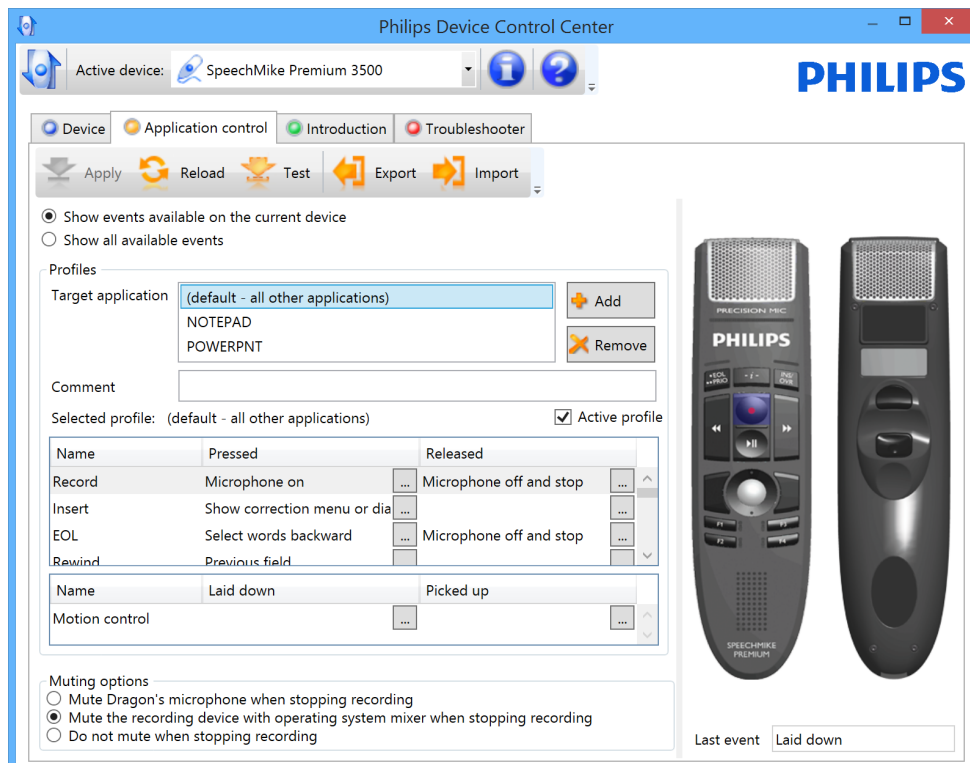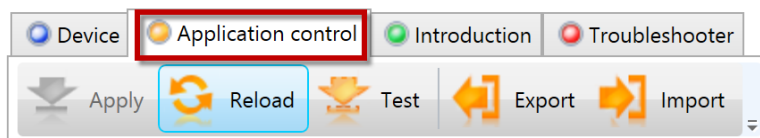

Detailed Key Programming steps (use with Dragon)

1. Be sure your USB microphone is attached to your computer and the Philips Device Control software installed.
2. Open the Philips Device Control Center software
3. Be sure your device is listed and selected in the area at top named "Active Device" (see image below)

4. Select the "Application Control" tab

5. For most instances, under "Target Application" you want to select "Default – all other applications".

6. Notice that in the main section of the application you will see columns termed "Name", "Pressed" and "Released" and after the pressed and released areas you will see a small square box with three periods "…".

Name	Pressed		Released	
Record	Microphone on	...	Microphone off and stop	...
Insert	Show correction menu or dia	...		...
EOL	Select words backward	...	Microphone off and stop	...
Rewind	Previous field			

- The name column shows the name of the button to be programmed
- The Pressed column shows the behavior associated with a push of the button
- The "Released" column shows the behavior associated with the Release of a button.
- The box with the "…" is what you need to select in order to change the programming for the function of the button event.

7. Program a button as follows:
   a. Select the "…" box associated with the event (press or release) for the button you want to program
   [Note: if you are unsure where to find the section used to program a desired button, click on that button on the diagram of the microphone and you will see the associated line become highlighted on the Device Control application. This is where you program the press or release function for that specific button]

   b. If there is an existing command associated with the button/event and you don't want it, select it and then click on the "Delete" button

   c. Click on the "Add" button

   d. In order to add a Dragon related functionality to the button/event, click on the radio button associated with "Dragon NaturallySpeaking Command" (see below)
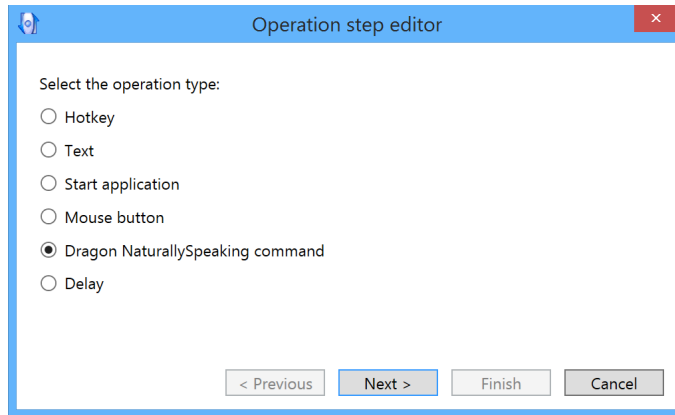
e. Click "Next"
f. From the drop-down menu which appears on the next screen, choose the specific Dragon command you want associated with the button/event. You will need to scroll through the drop down to see all possible choices.
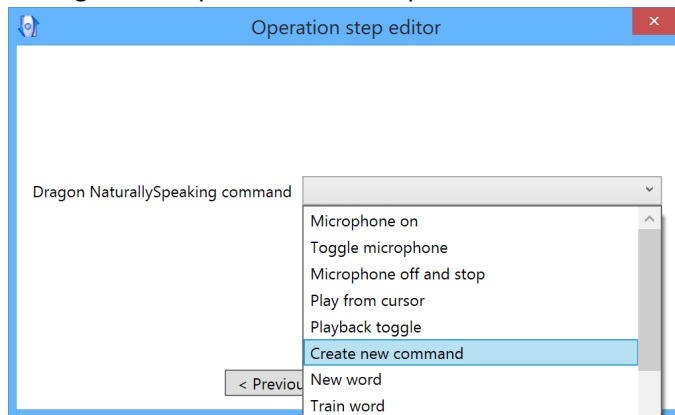
g. Click "Finish"
h. Important caveat: be aware of the consequences of both the push and the release of a button and associated programming. In some situations you may want a separate event to be associated with a push and release. For instance in order to use a button to act in a "Push to Talk" manner, you can program the push to cause a "microphone on" and the release to cause a "microphone off and stop"
i. Follow the above steps for other events/buttons as needed.
j. IMPORTANT POINT: your device has not been programmed with the changes you made above until you click on the "Apply" button as shown below
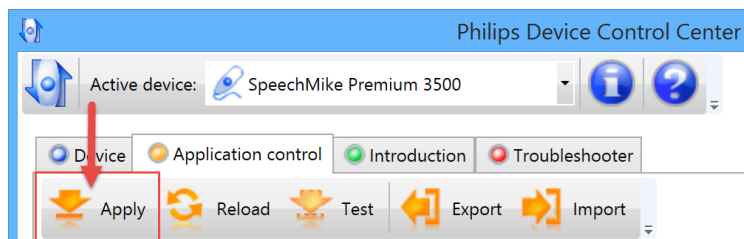
One final note: it is necessary for you to close the active Device Control window in order to start using your newly created programming. Just click on the "X" on the top right of the application.

Importing and Exporting Device Configurations

There are many situations in which you may want to share the way a SpeechMike has been configured, particularly in situations in which you are part of a larger group of SpeechMike users. Described below are the methods used to import or export a device configuration.
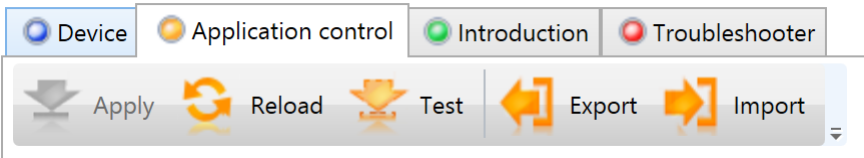
Importing a Device Configuration: If someone has already created a device configuration which they wish to share with you, simply store this file somewhere on your hard drive or a removable drive, click on the "Import" button on the Application Control tab of the Philips Device Control Center and then navigate to the saved file and select "open". See image above.

Exporting a Device Configuration: If you wish to share a device configuration you have created, simply click on the "Export" symbol on the Application Control tab. You will be asked if you wish to export just the selected profile or the full device configuration. See image above.

Firmware Upgrade

Your SpeechMike Premium is controlled by internal software which is termed "firmware" and which is periodically updated by Philips. This internal software can be updated by means of the Device Control Software and is done as follows:

1. Check to see what your current firmware version is by opening the Device Tab and then clicking on the Firmware upgrade tab. You will see the currently installed firmware in the central window as shown here.
2. To download the current firmware version go to www.philips.com/dictation then go to the Suport tab, and choose Product Support. Scroll down to select the SpeechMike premium and you will see a variety of downloads pertaining to your device.
   Notice that in addition to a variety of guides pertaining to your device, there are downloadable upgrades to both the firmware and the Device Control application (listed as "speech control")
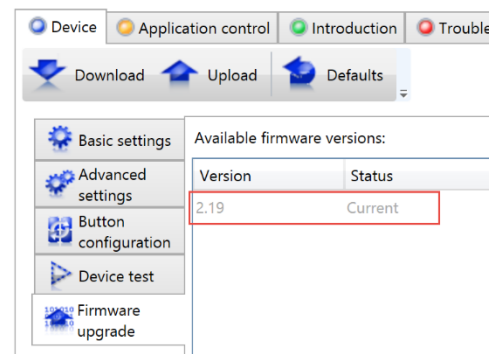
Manuals and documentation

📄 Leaflet (1.6 MB)
📄 Product brochure (4.6 MB)
📄 Quick start guide (push-button version) (687 KB)
📄 Quick start guide (slide switch REC, STOP, PLAY, REW) (701 KB)
📄 Quick start guide (slide switch FWD, PLAY/REC, STOP, REW) (607 KB)
📄 User manual (push-button version) (753 KB)
📄 User manual (slide switch REC, STOP, PLAY, REW) (759 KB)
📄 User manual (slide switch FWD, PLAY/REC, STOP, REW) (842 KB)
📄 User manual (Speech Control for Mac) (1.2 MB)
📄 Barcode scanner configuration guide (457 KB)

Software and drivers

📄 Firmware
   2.50

📄 Speech Control
   3.4.340.04

💿 Speech Control for Mac
   3.1.04

📄 SpeechExec Pro Dictate
   8.6.861.2

3. Download the firmware
4. Decompress (unzip) the download
5. Open the Device Control Center
6. Click on the Device tab and then the Firmware Upgrade sub-tab
7. Click on the Import button and navigate to the folder in which you saved the downloaded firmware file
8. Be sure the new upgrade is selected and then click the Upgrade button (it will take about 30 seconds to complete the firmware upgrade)
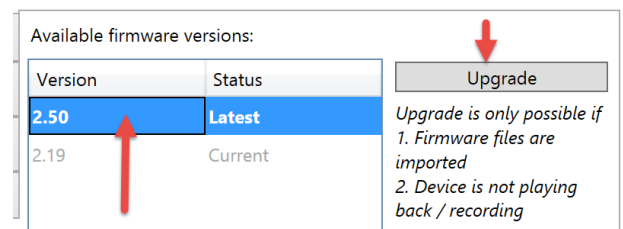
Using the SpeechMike Premium with a Mac

Until this point, the entirety of this guide has been oriented to Windows users. The microphone itself is compatible with a Mac and basic drivers will be installed when you attach the microphone to your Mac. In order to program the device behavior or button functions, it is necessary for you to download the "Speech Control for Mac" application which is shown at the Philips download site in the graphic above. The Mac version of the control software can accomplish almost everything described earlier in this guide for Windows users. It integrates with Mac Dictate versions 2.5, 3, and 4.

For more information, please take advantage of the following resources:

Device Control for Mac User Guide: http://www.speechrecsolutions.com/assets/speechcontrol4mac_ifu_3.1.04_en.pdf

Download Speech Control for Mac: https://www.dictation.philips.com/no_cache/us/popups/software-popup/?softwareId=2584&prodId=410