PHILIPS

SpeechAir SDK Overview

This SDK is used to integrate Philips SpeechAir devices with 3rd party applications. This section briefly describes the steps from obtaining the SDK to redistributing it.

What the SDK includes

- SDK Binaries
- C# Test application including source code
- SDK reference manual



How to redistribute the SDK

The .NET SDK supports side-by-side installation only, no merge modules or setups are provided similar to other side-by-side SDK installations.

The integrator should copy the provided files to the integration's installation folder besides the executable:

- PSP.SpeechPad.SDK.dll
- PSP.SpeechPad.Device32.dll
- PSP.SpeechPad.Device64.dll
- PSP.SpeechPad.Device32.ini
- PSP.SpeechPad.Device64.ini
- NLog.dll

The integrator must take care of the .NET Framework installation, one of the following .NET Framework versions must be installed:

- NET Framework 4.0 Client Profile
- NET Framework 4.0
- NET Framework 4.5.x
- NET Framework 4.6

The .NET SDK does not use strong names, so it can be replaced in an existing installation.

Overall structure of the SDK How to obtain the SDK SDK Contents **SDK Software Architecture** Redistribution

Visit the site below to apply for SpeechAir SDK. After accepting the SDK agreement, you will receive login information for our partner portal, where you can download the SDK including manuals, and send detailed inquiries as well.

http://www.dictation.philips.com/products-solutions/ product/sdk_for_dictation_hardware_lfh7475/

Supported devices

SpeechAir device



Supported Operating Systems

- Windows 7 SP1 x86/x64
- Windows 8.1 x86/x64
- Windows 10 x64
- .NET Framework version 4.0 Client Profile, 4.0, 4.5.x or 4.6

Development Environment

Microsoft Visual Studio 2010/2012/2013/2015

SDK Folder structure



Contains the redistributable binary files



Contains the SDK reference manual



TestApplication

Contains the executable test application

Source

Contains the source code of the test application

SDK Architecture

- The SpeechAir SDK is a .NET API which provides a range of interfaces.
- · The .NET SDK is built as an AnyCPU assembly. This way a single .NET SDK is provided with a single .NET test application and it can be used in any type of .NET applications (x86, x64 and AnyCPU).
- It can be used to integrate communication directly between a single SpeechAir device and the device application.
- With the SpeechAir SDK, you can change the configuration of a SpeechAir device and the Philips dictation recorder app (PDR) that runs on the device.
- 3rd party applications should create a single instance of the SDK's main interface (SpeechAirControl) on its main thread

Simple steps of development (.NET application)

1. Create new project (e.g. using Visual Studi

2. Copy binaries to your project folder

. Create a reference to the ma binary (PSP.SpeechAir.SDK.c

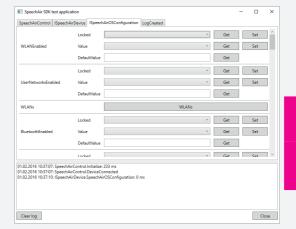
test application

Test Application

The SDK includes a C# test application, which has all SDK functionality embedded. The test application can be used as reference for other applications using the SDK.

API description

Detailed desprictions of the API's interfaces, methods and properties can be found in the SDK reference manual located in \Doc\SpeechAirSDK.CHM



Refer to the next page for detailed **API** descriptions!



Worktypes { get; }: ICompositeSetting < IList < string >>

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SpeechAir SDK API

The SDK's .NET interfaces are described here. Any property, method or event can also be found in the test application.

