

Installation Guide for Katha (কথা): Bangla Text To Speech (Version 1.0 Beta)

March 18, 2009

Center for Research on
CRBLP
Bangla Language Processing

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Introduction

This document explains how to install and uninstall *Katha: Bangla Text To Speech software*. The system is capable of synthesizing speech from text encoded in Bangla Unicode (UTF8 encoding). It can run on Linux, windows and Mac OSX. This system supports MSAPI. So it is also possible to use Bangla Text To Speech with Microsoft Speech Application Interface (MS-SAPI) compliant speech enabled Windows application. We used a third party plug-in to port with MS Word. So it is now accessible in MS Word through WordTalk on Windows. WordTalk is a free text-to-speech plug-in developed for use with all versions of **Microsoft Word**. WordTalk was conceived and developed by Rod Macaulay of TASSC in Aberdeen.

1. Installation Prerequisites

1.1 Hardware Requirements

Platform:	Intel processor or equivalent
Processor:	233 MHz or faster recommended
Memory:	512MB or above
HDD:	60 MB of free hard drive space
Sound card:	Any sound card

1.2 Software Requirements

Operating Systems:	Microsoft® Windows XP with Service Pack 2 (Microsoft® Windows XP Professional recommended)
Other Software:	On Windows: Bangla Language Pack ¹ for Windows XP. See the Enable_Bangla_WinXp.pdf to install Bangla language support. The file is available with the distribution.

User must have Administrator privileges to install this software.

2. Installing

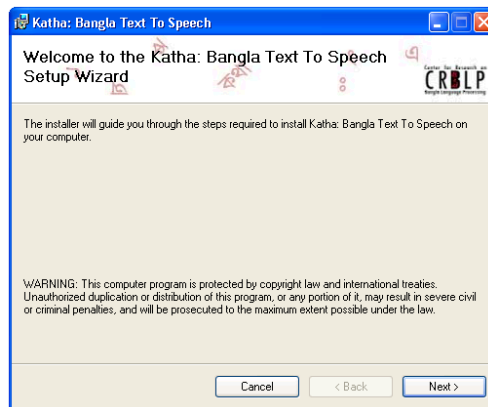
2.1 Installing on Windows

Please follow the steps given below to install Katha: Bangla Text To Speech:

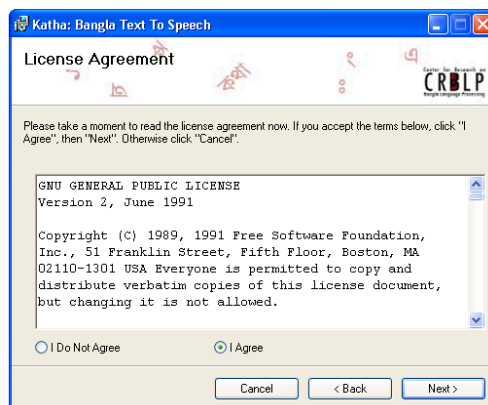
1. Double click on setup.exe program located in Kotha_Bangla_TTS directory.
2. Then follow the steps on the screen.

After starting the Katha: Bangla Text To Speech Installer, you will be presented with **Welcome screen**, click the **Next** button.

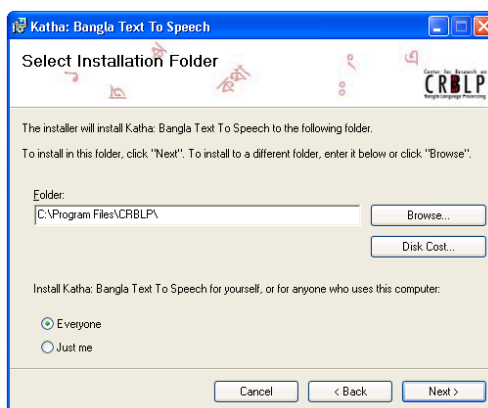
¹ Guideline for enabling Bangla Language available at:
http://bn.wikipedia.org/wiki/উইকিপিডিয়া:Bangla_script_display_help



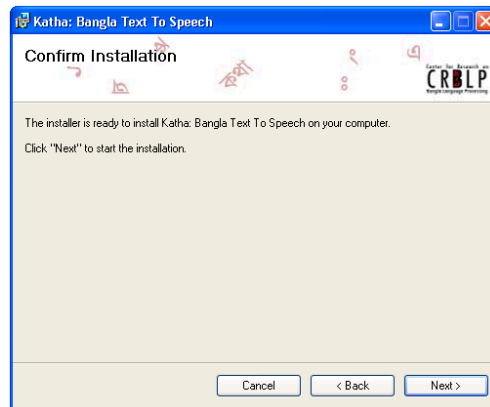
After reading the Licence agreement and agreeing to its terms, click the **Next** button.



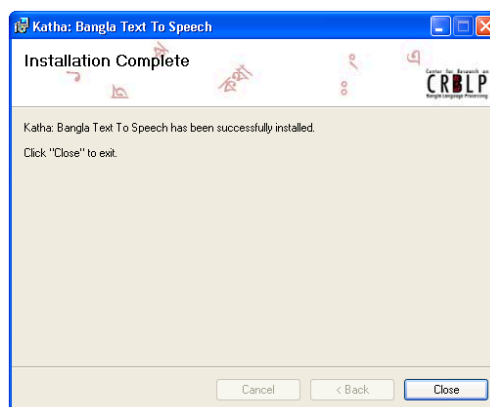
Check the install location, click the **Next** button



Confirm the installation and click the **Next** button.



The installation is now complete. Click the **Close** button.



2.1.1 Install WordTalk²

1. Double click on WordTalk.msi program
2. Previous version of WordTalk already installed?

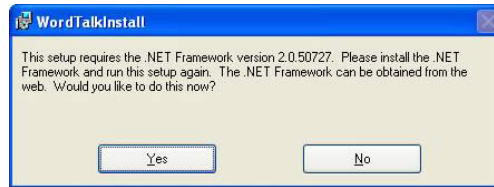
If you have a previous version of WordTalk installed then the installer will check for it and advise you to remove it before proceeding.



3. Do you have the Microsoft .NET Framework installed?

² <http://www.wordtalk.org.uk/>

In order for WordTalk to work, the Microsoft .NET Framework 2 is required on your PC. The WordTalk installer will detect if this is currently on your machine and if it not it will direct you to a website where you can download it. However, you may wish to download the .NET Framework package <http://download.microsoft.com/download/5/6/7/567758a3-759e-473e-bf8f-52154438565a/dotnetfx.exe>. Also available in CRBLP Software packages CD.

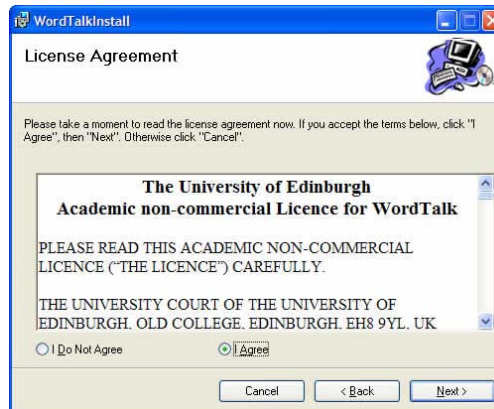


4. Install WordTalk

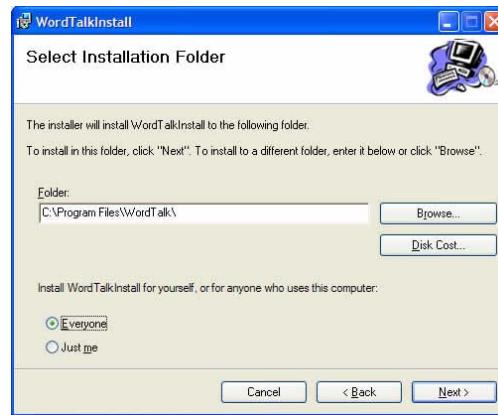
After starting the WordTalk Installer you will be presented with **Welcome screen**, click the **Next** button.



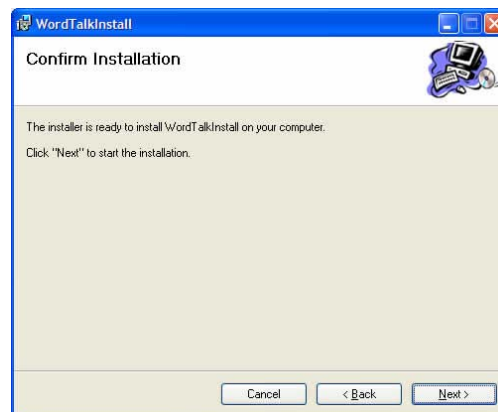
3. After reading the Licence agreement and agreeing to its terms, click the **Next** button



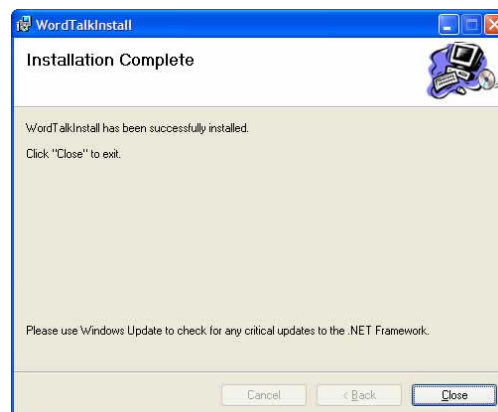
4. Check the install location, click the **Next** button.



5. Confirm the installation and click the **Next** button



6. The installation is now complete. Click the **Close** button



2.1.2 Testing the installation

- 1) Go to the Control Panel and choose the Speech icon.
- 2) In Speech Properties dialog window, click on the 'Text to Speech' tab.
- 3) In the voice selection dropdown select “CRBLP Katha: Bangla TTS v1.0”
- 4) Copy & Paste any unicode Bangla text in the text box underneath.
- 5) Press the “Preview Voice” to listen to the voice, press stop to terminate the voice
- 6) Click “**Apply**” to set the Default Bangla voice.

3. Uninstalling

3.1 Uninstalling on Windows

1. In order to uninstall the program,
2. On the Windows desktop, click **Start > Control Panel**.
3. In Control Panel, double-click **Add/Remove Programs**.
4. In the list of currently installed programs, click Katha: **Bangla Text To Speech**
5. Click Remove.