



# **Acapela TTS**

## **for Mac OS X**

### **Release Notes**

**Reference: *Readme-ReleaseNotes-OSX***

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## **Release Notes for Acapela TTS for Mac OS X**

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**<http://www.acapela-group.com/>**

*Any technical question or problem concerning this product should be reported to:*  
**<http://support.acapela-group.com/>**.

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# 1. Documentation Listing

## 1.1. User's guides

- **ACAMUL-USER**: User's Guide — **First document to read**
- **ACAMUL-LEXICONEDITOR.PDF**: Guide for creating your own lexicons (dictionaries) if you want to change the way a word is spoken
- **ACAMUL-UNPLUGGED.PDF**: Guide for unplugged voices: definition and use of those closer-to-the-text speech synthesis voices

## 1.2. Developer's Guides

- **ACAMUL-SDK**: Guide for the Acapela TTS' proprietary C/C++ API: AcaTTS
- **ACAMUL-BUNDLING**: Guide for bundling your application with Acapela TTS (from a licensing point of view)
- **ACAMUL-CCD-OSX**: Custom installer guidelines: Guide for bundling your application with Acapela TTS for Mac (from an installation point of view)

## 1.3. Exclas and Voice Smilies Listings

Each voice is provided with two files (when applicable) with a `.lst` file extension: the exclas listing and the voice smilies listing. They follow this general file name convention:

- **exclas listing**: `*_excla_*.lst`.
- **voice smilies listing**: `*_sounds_*.lst`.

# 2. Known Issues

## 2.1. Arabic Voice Nizar and Lexicons

Only non latin words (using arabic alphabet) should be used with the lexicons when using the new bilingual arabic voice Nizar. Valid words should be encoded on 8-bit "extended ASCII" (charset 1256/MacArabic).

## 2.2. Japanese (`ja-JP`) and Mandarin Chinese (`zh-CN`) Don't Support User Lexicons

There's no support for user lexicons for the Japanese (`ja-JP`) and Mandarin Chinese (`zh-CN`) languages, and so for their matching voices: Lulu (Mandarin Chinese) and Sakura (Japanese).

## 2.3. No Support for "Word" or "Letter" Reading Modes for Japanese (`ja-JP`) and Mandarin Chinese (`zh-CN`)

Currently, Japanese (`ja-JP`) and Mandarin Chinese (`zh-CN`) don't support "Word" (`rms` tag, see **ACAMUL-USER**) or "Letter" (`rmw` tag, see **ACAMUL-USER**) reading modes. Only the default and text reading modes are supported for these languages.

## 2.4. The `rst` Tag Works Partially

The `rst` tag doesn't reset a pitch change (induced using a `pit` tag embedded in the text) for HQ voices (when using the `pit2vct` AcaTTS.ini entry, see **ACAMUL-USER** for further details). Also, a Vocal Tract change isn't reset as well.

## 2.5. Some API Functions Aren't Documented

The following API functions aren't documented:

- `BabTTS_GetErrorName()`
- `BabTtsInitDllErrorStr()`
- `BabTtsInitDllErrorWideStr()`

## 3. Available Sample Code

All the samples use either make (for command-line-based samples) or Xcode.

### 3.1. AcaTTS C/C++ API

- **AcaCocoaDemo**: GUI tool using the SDK functions to demonstrate basic speak capabilities.
- **BabTTS\_Enum**: Command-line tool illustrating the use of the enumeration of the voices.
- **BabTTS\_ReadBuffer**: Command-line tool illustrating the retrieval of buffers (needs a license authorizing specifically this feature).
- **BabTTS\_SpeakText**: Command-line tool demonstrating how to make AcaTTS speak text.
- **BabTTS\_Write**: Command-line tool demonstrating how to use AcaTTS to produce a sound file.
- **ObjCBabTTSEnum**: Command-line tool illustrating the use of the enumeration of the voices developed in Objective-C

### 3.2. Other Languages: Java, Python, ...

There is no JNI sample in the SDK. However it is possible to use the AcaTTS API with Java, through a JNI wrapper. Our support will be able to help you by providing you an example implementation.

The same rule applies for Python (using ctypes) or other specific programming languages which supporting bridging with standard C library interfaces.

## 4. Available Packagings and Voice Formats

### 4.1. Packagings

Acapela TTS for Mac comes in multiple flavours:

- 6 DVDs (`HQ` + `HD` + `CO` voices):
  - European (`HQ` + `HD`) voices [double-layer DVD]
  - European (`HQ` + `HD`) voices (second)
  - Rest-of-the-world (`HQ` + `HD`) voices
  - Emotive (`HQ`) voices
  - Colibri (`CO`) voices
  - Children (`HQ`) voices
- Additional packagings are available for specific projects where size of data should be minimized (but with a cost in terms of audio quality), please contact your sales representative to analyze the available options.

### 4.2. Voice Formats

- **HQ**: Very **H**igh **Q**uality text-to-speech resulting in a very natural and pleasant-sounding voice which has never been closer to the human speaker (~70 to 300 MB/voice).

- **HD: High Density:** Voices using diphone concatenation technology (older voices).
- **co: Colibri voices:** Voices using a statistical parametric speech synthesis system is based on hidden Markov models (HMM). Colibri voices are small (less than 1 MB), have a good intelligibility and are consistent in quality.

## 5. System Requirements

Mac OS X 10.6 at least is required.

## 6. Compatibility

For an overview of the product and compatibility issues, please read the User Guide ([ACAMUL-USER](#)).

## 7. Installation

- Insert the "Acapela TTS for Mac 9.400 HQ DVD 1A Europe" DVD-ROM in your appropriate drive then double-click on "Acapela TTS for Mac.mpkg" file on the volume to run the Installer. It guides you through the steps necessary to perform the installation. This will propose you to install the European Languages.
- Proceed the same way for installing the "Acapela TTS for Mac 9.400 HQ DVD 1B World" DVD-ROM.
- Proceed the same way for installing the rest-of-the-World languages situated on the "Acapela TTS for Mac 9.400 HQ DVD 2 World" DVD-ROM.
- Proceed the same way for installing the emotive voices situated on the "Acapela TTS for Mac 9.400 HQ DVD 3 Emotion Voices" DVD-ROM.
- Proceed the same way for installing the colibri voices situated on the "Acapela TTS for Mac 9.400 CO" DVD-ROM.
- Proceed the same way for installing the children voices situated on the "Acapela TTS for Mac 9.400 HQ DVD 5 Children Voices" DVD-ROM.
- Please read the User's Guide (AcaMul-user.pdf) for more information.

## 8. Uninstallation

If you want to uninstall Acapela TTS for Mac, you can launch the `/Applications/Acapela TTS for Mac/uninstallAcapelaTTS.sh` script file with the *Terminal* application. You may have to enter your password.

## 9. Version Information

### 9.1. Change Log

- Updated the core engines.
- Updated the documentation.
- General linguistic updates

### 9.2. Voices and Languages

#### 9.2.1. HQ Voices

##### 9.2.1.1. *Updated*

Name	Gender	Language
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Alice	Female	French
Alyona	Female	Russian
Anais	Female	French
Andreas	Male	German
Ania	Female	Polish
Antoine	Male	French
AntoineFromAfar	Male	French
AntoineHappy	Male	French
AntoineSad	Male	French
AntoineUpClose	Male	French
Antonio	Male	Spanish
Bente	Female	Norwegian
Bruno	Male	French
Celia	Female	Portuguese
Chiara	Female	Italian
Claire	Female	French
Claudia	Female	German
Claudiasmile	Female	German
Daan	Male	Dutch
Deepa	Female	Indian English
Dimitris	Male	Greek
DimitrisHappy	Male	Greek
DimitrisSad	Male	Greek
Elias	Male	Norwegian
Elin	Female	Swedish
Elise	Female	French
Eliska	Female	Czech
Ella	Female (Child)	US English
Emil	Male	Swedish

Emilie	Female	Norwegian
Emilio	Male (Child)	US Spanish
EmilioEnglish	Male (Child)	US English
Emma	Female	Swedish
Erik	Male	Swedish
Fabiana	Female	Italian
Femke	Female	Dutch
Filip	Male	Swedish
Freja	Female	Swedish
Graham	Male	British
Hanna	Female	Faroese
Hanus	Male	Faroese
Harry	Male (Child)	British
Heather	Female	US English
Ines	Female	Spanish
Ipek	Female	Turkish
Jasmijn	Female	Dutch
Jeroen	Male	Belgian Dutch
JeroenHappy	Male	Belgian Dutch
JeroenSad	Male	Belgian Dutch
Jonas	Male (Child)	German
Josh	Male (Child)	US English
Julia	Female	German
Julie	Female	French
Kal	Male	Gothenburg Swedish
Karen	Female	US English
Kari	Female	Norwegian
Kenny	Male	US English
Klaus	Male	German



Laia	Female	Catalan
Laura	Female	US English
Lea	Female (Child)	German
Leila	Female	Arabic
Liam	Male (Child)	Australian English
Lisa	Female	Australian English
Louise	Female	Canadian French
Lucy	Female	British
Lulu	Female	Mandarin Chinese
Manon	Female	French
Marcia	Female	Brazilian
Margaux	Female	French
MargauxHappy	Female	French
MargauxSad	Female	French
Maria	Female	Spanish
Max	Male	Dutch
Mehdi	Male	Arabic
Mette	Female	Danish
Mia	Female	Scanian
Micah	Male	US English
Minji	Female	Korean
Nelly	Female	US English
Nizar	Male	Arabic
Olav	Male	Norwegian
Olivia	Female (Child)	Australian English
Peter	Male	British
PeterHappy	Male	British
PeterSad	Male	British
QueenElizabeth	Female	British

Rachel	Female	British
Rasmus	Male	Danish
Rhona	Female	Scottish English
Robot	Male	French
Rod	Male	US English
Rodrigo	Male	US Spanish
Rosa	Female	US Spanish
Rosie	Female (Child)	British
Ryan	Male	US English
Sakura	Female	Japanese
Salma	Female	Arabic
Samuel	Male	Finland Swedish
Sanna	Female	Finnish
Sarah	Female	German
Saul	Male	US English
Scott	Male (Child)	US English
Sharon	Female	USEnglish
Sofie	Female	Belgian Dutch
Tracy	Female	US English
Tyler	Male	Australian English
Valentin	Male	French
Valeria	Female (Child)	US Spanish
ValeriaEnglish	Female (Child)	US English
Vittorio	Male	Italian
Will	Male	US English
WillBadGuy	Male	US English
WillFromAfar	Male	US English
WillHappy	Male	US English
WillLittleCreature	Male	US English

WillOldMan	Male	US English
WillSad	Male	US English
WillUpClose	Male	US English
Zoe	Female	Belgian Dutch

### 9.2.2. CO Voices

#### **9.2.2.1. Updated**

Name	Gender	Language
Alyona	Female	Russian
Ania	Female	Polish
Antonio	Male	Spanish
Bente	Female	Norwegian
Biera	Male	NorthSami
Bruno	Male	French
Celia	Female	Portuguese
Daan	Male	Dutch
Deepa	Female	Indian English
Dimitris	Male	Greek
Elin	Female	Swedish
Eliska	Female	Czech
Elle	Female	NorthSami
Erik	Male	Swedish
Fabiana	Female	Italian
Heather	Female	US English
Ines	Female	Spanish
Ipek	Female	Turkish
Jasmijn	Female	Dutch
Jeroen	Male	Belgian Dutch
Julia	Female	German

Klaus	Male	German
Laia	Female	Catalan
Leila	Female	Arabic
Lisa	Female	Australian English
Louise	Female	Canadian French
Lulu	Female	Mandarin Chinese
Marcia	Female	Brazilian
Margaux	Female	French
Mette	Female	Danish
Minji	Female	Korean
Nizar	Male	Arabic
Olav	Male	Norwegian
Peter	Male	British
Rachel	Female	British
Rasmus	Male	Danish
Rodrigo	Male	US Spanish
Rosa	Female	US Spanish
Ryan	Male	US English
Sakura	Female	Japanese
Samuel	Male	Finland Swedish
Sanna	Female	Finnish
Sharon	Female	USEnglish
Tyler	Male	Australian English
Vittorio	Male	Italian
Zoe	Female	Belgian Dutch

### 9.2.3. HD Voices

#### **9.2.3.1. Updated**

Name	Gender	Language
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Baris	Male	Turkish
Carlos	Male	Brazilian
Caroline	Female	French
Ceren	Female	Turkish
Elia	Female	Portuguese
Els	Female	Belgian Dutch
Ester	Female	Portuguese
Hilde	Female	Dutch
Jan	Male	Dutch
Jane	Female	US English
Javier	Male	Spanish
John	Male	US English
Paola	Female	Brazilia
Sabrine	Female	Czech