RT-Voice PRO

Hearing is understanding

Documentation

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https://www.crosstales.com

Table of Contents

Thank you for buying our asset "RT-Voice PRO"!

If you have any questions about this asset, send us an email at rtvoice@crosstales.com.
Please don't forget to rate it or write a little review – it would be very much appreciated.

1. Overview

Did you ever want to make a game for people with **visual impairments** or **reading difficulties**? Or want your players to **not have to read too much**? Or would you listen to just the dialogues in your game **without consulting a voice-actor** in early stages of development? Then RT-Voice is your **time-saving** solution to do so!
RT-Voice uses TTS-voices already integrated in your system to pronounce any written text at runtime.

All of this happens without intermediate steps: the transformation effects **instantaneously** - and, if needed, **simultaneously**!

2. Features

2.1. Convert text to voice

- **Instant conversion** from text to speech - generated **during runtime**!
- **Side effect:** the continuous audio generation **saves a lot of memory**
- **No need for voice actors** during the testing phase of your game
- Filter voices by **name**, **culture** and/or **gender**
- **Several voices at once** are possible (e.g. for scenes in a public place, where many people are talking at the same time)
- **Fine tuning** for your voices with **speed, pitch** and **volume**
- Support for **SSML** and **EmotionML**
- **Current word**, **visemes** and **phomenes** on Windows and iOS - including **marker functions**
- Generated audio **can be stored** in files reusable within Unity
- **1-infinite synchronized speakers** for a single AudioSource
- Simple **sequence** and **dialogue system**
- **No** performance drops
- Components to speak UI-elements, like **Text** and **InputField**
- Enables access to more than different **1'000 voices**

2.2. Documentation & control

- **Test** all **voices** within the **editor**
- Powerful **API** for **maximum control**
- Detailed **demo scenes**
- Comprehensive **documentation** and **support**
- Full **source code** (including libraries)

2.3. Compatibility

- Supports **all build platforms**
- **Native providers** for **Windows**, **macOS**, **Android**, **iOS** and **XBox**
- Compatible with:
    - **AWS Polly**
    - **Azure (Bing Speech)**
    - **eSpeak** and **eSpeak-NG**
    - **Google Cloud Speech**
    - **Klattersynth**
    - **MaryTTS**
    - **Mimic**
    - **WebGL Speech Synthesis**
- Works with **Windows**, **Mac** and **Linux editors**
- Compatible with **Unity 2019.4 – 2023**
- Supports **AR** and **VR**
- **C# delegates** and **Unity events**
- Works with **Online Check**
- **PlayMaker** actions

2.4. Integrations

- [Adventure Creator](#)
- [Amplitude](#)
- [Cinema Director](#)
- [Dialogue System for Unity](#)
- [Google Cloud Speech](#)
- [Klattersynth](#)
- [LipSync](#)
- [Localized Dialogs & Cutscenes (LDC)](#)
- [Naninovel](#)
- [NPC Chat](#)
- [Online Check](#)
- [PlayMaker](#)
- [Quest System Pro](#)
- [SALSA](#)
- [SLATE](#)
- [Volumetric Audio](#)
- [WebGL Speech Synthesis](#)

2.5. Platform-specific features and limitations

2.5.1. Overview

Provider	Offline	SSML	Audio files	Words
Windows	yes	yes	yes	yes
macOS	yes	no	yes	no
Android	yes	yes[1]	yes	no
iOS	yes	no	no	yes
WSA (UWP) / XBox	yes	yes	yes	no
MaryTTS	no[2]	yes	yes	no
eSpeak	yes	yes	yes	no
AWS Polly	no	yes	yes	no
Klattersynth	yes	no	no	no
SAPI Unity	yes	yes	no	no
WebGL Speech Synthesis	no	no	no	no
Azure (Bing Speech)	no	yes	yes	no
Google Cloud Speech	no	yes	yes	no
Mimic	no	yes	yes	no

2.5.2. Windows

- Native rate is internally limited to 20 logarithmic distributed steps

- .NET 4.0 or higher must be installed

- Minimum Windows version: 7

- Maximal number of characters per speech: 32'000 (>35min)

- These are the old SAPI-voices, visible by running the following command:
  `%windir%\sysWOW64\speech\SpeechUX\SAPI.cpl`

Important note: not all SAPI-voices support SSML! If you experience a wrong voice speaking your text, the selected voice is most likely not SSML-compatible. In this case, remove all SSML-tags from your text and let RTV speak again or you could enable *Auto Clear Tags* on the Speaker-component.

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1   Since Android M (API level 23)
2   Standalone: MaryTTS could be bundled with the app installer and run locally

2.5.3. macOS

- Native pitch has no effect
- Native volume has no effect
- Minimum macOS version: 10.6
- Maximal number of characters per speech: 256'000 (>4h 45min)

2.5.4. Android

- Only one native voice at the time (can be solved by generating audio)
- Volume has no effect for generated audio (can be adjusted via AudioSource)
- Minimum Android version: 4.0.3 (API 15) – SSML needs 6.0 (API 23) and higher
- Maximal number of characters per speech: 3'999 (>5min)

2.5.5. iOS

- Only one active native voice at the time
- Current word but no phonemes and visemes
- Minimum iOS-version: 9.0
- Maximal number of characters per speech: n/a

2.5.6. WSA (UWP) / XBox

- No native audio (only generated audio files)
- Minimum SDK-version: 10.0
- Maximal number of characters per speech: 64'000 (>1h 15min)
- These are the new Windows-voices, visible by under the "Speech Settings"

2.5.7. MaryTTS

- Platforms: all
- Support for RAWMARYXML, SSML and EmotionML
- No native audio (only generated audio files)
- Minimum MaryTTS-version: 5.0
- Maximal number of characters per speech: depends on the server request size, but 8'000 (>10min) is realistic. Higher numbers can lead to timeouts.

2.5.8. eSpeak

- Platforms: Windows, macOS, Linux and Android
- Minimum eSpeak version: 1.4.0
- Maximal number of characters per speech: 32'000 (>30min)

Important note: eSpeak must be installed on the target machine; see chapter 7.

2.5.9. AWS Polly

- Platforms: all except WebGL
- No native audio (only generated audio files)
- Maximal number of characters per speech: depends on the maximal request size, but 16'000 (>20min) is realistic. Higher numbers can lead to timeouts.

2.5.10.   Klattersynth

- Platforms: all
- Unity AssetStore: https://assetstore.unity.com/packages/slug/95453
- Maximal number of characters per speech: 2'150 (>3min)

2.5.11.   SAPI Unity

- Platforms: Windows standalone (IL2CPP)
- Only one active native voice at the time
- Native rate is internally limited to 20 logarithmic distributed steps
- Maximal number of characters per speech: 256'000 (>4h 45min)

2.5.12.   WebGL Speech Synthesis

- Platforms: WebGL and Standalone
- Unity AssetStore: https://assetstore.unity.com/packages/slug/81861
- Maximal number of characters per speech: 32'000 (>30min)

2.5.13.   Azure (Bing Speech)

- Platforms: all except WebGL
- No native audio (only generated audio)
- Maximal number of characters per speech: depends on the maximal request size, but 16'000 (>20min) is realistic. Higher numbers can lead to timeouts.

2.5.14.   Google Cloud Speech

- Platforms: all

- No native audio (only generated audio)

- Unity AssetStore: https://assetstore.unity.com/packages/slug/115170

- Maximal number of characters per speech: depends on the maximal request size, but 16'000 (>20min) is realistic. Higher numbers can lead to timeouts.

2.5.15.   Mimic

- Platforms: all

- No native audio (only generated audio)

- Maximal number of characters per speech: depends on the maximal request size, but 16'000 (>20min) is realistic. Higher numbers can lead to timeouts.

3. Demonstration

The asset comes with many demo scenes to show the main usage.

3.1. Speech
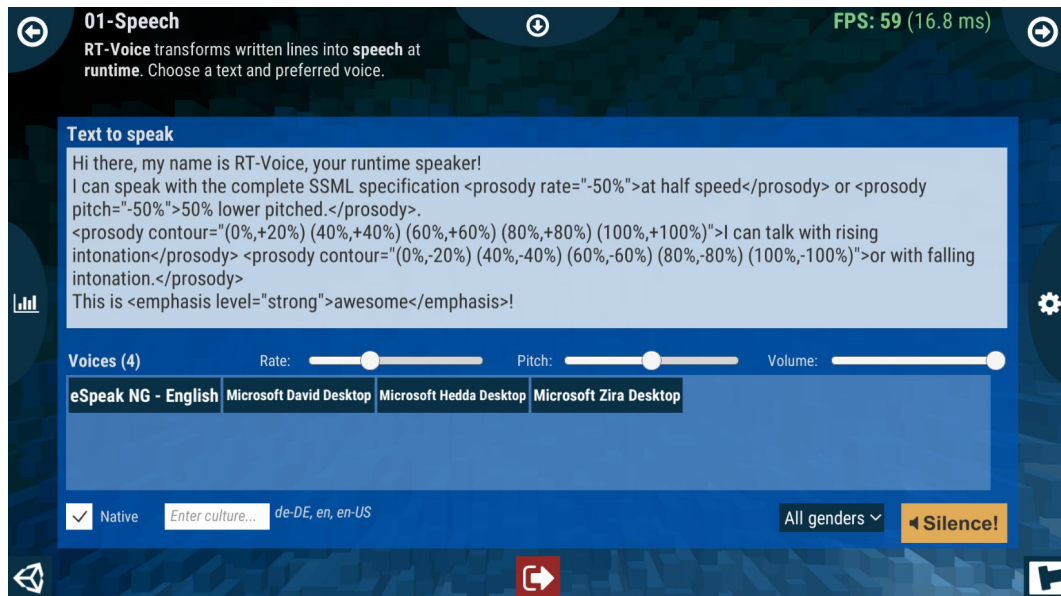
This demo scene shows how to transform written lines into speech. Choose the preferred voice.

3.2. Dialog

In this demo scene acts out a dialogue between two "people". Choose a different voice for both participants.
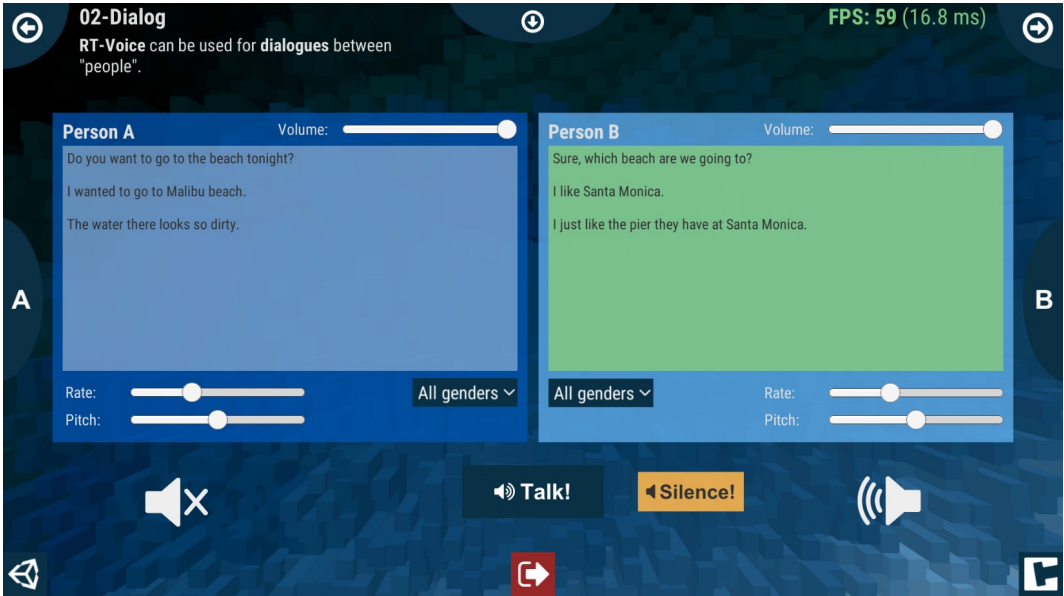
3.3. SimpleNative

The "SimpleNative" scene shows the easiest way for native audio.
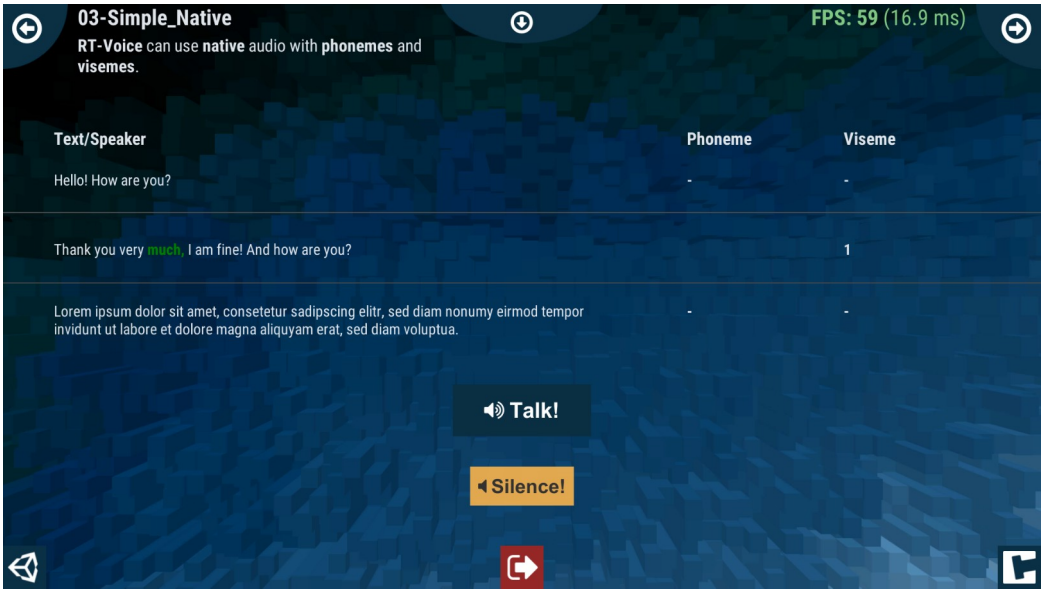
3.4. Simple

The "Simple" scene shows the easiest and recommended way for most purposes with generated audio.

3.5. 3DAudio

This scene demonstrates 3D positioned and looped audio.

Needs the [Unity Standard Assets](#)-package.

3.6. Loudspeakers

This scene demonstrates 3D positioned loudspeakers with only one audio origin (looped).
Needs the [Unity Standard Assets](#)-package.

3.7. SendMessage

This scene shows the usage of Unity's "SendMessage".

3.8. Sequencer

This scene shows the usage of our simple sequencer.

3.9. Exact and Exact_Native

These two scenes are showing how to build applications with exact timing between
audio and animations (e.g. lip sync).

3.10. SpeechText

This scene shows how to speak or store generated audio (see the result inside the folder
"_generatedAudio").

3.11. SpeechText

This scene shows how to speak text files with a voice (e.g. random dialogues of NPCs).

3.12. AudioFileGenerator

This scene shows how-to generate audio files from text files.

4. Setup

RT-Voice has global settings under "Edit\Preferences…" and under "Tools\RTVoice PRO\ Configuration…":
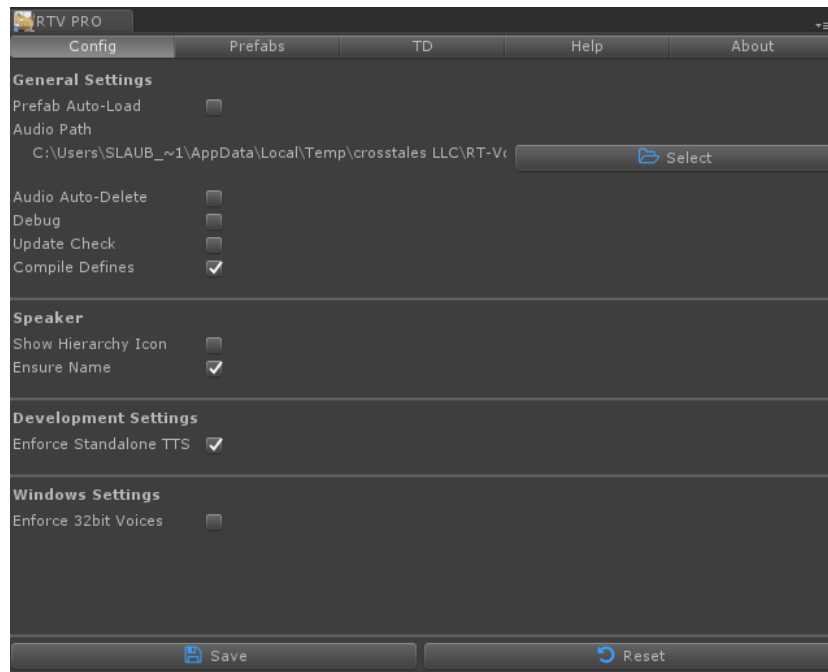
4.1. Schema

The following graphic explains the relationships between all relevant components:
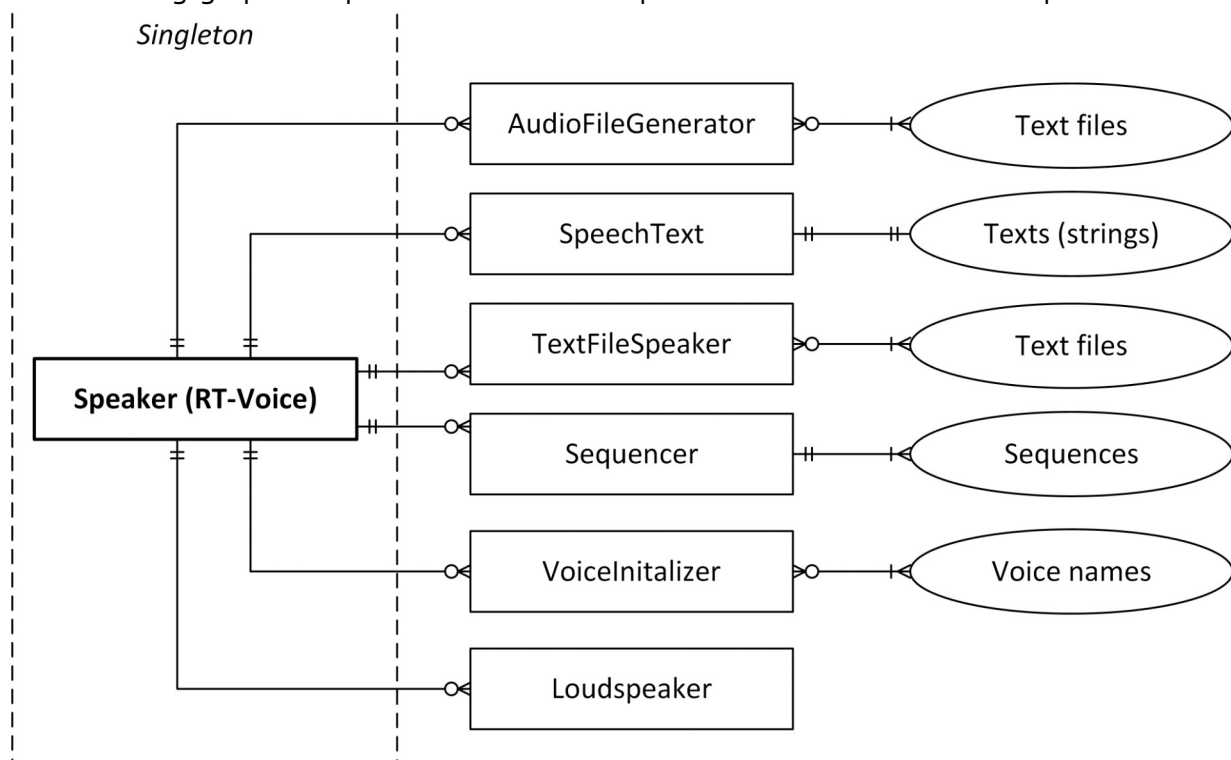
4.2. Add RT-Voice

There are four ways to add RT-Voice to the project:

1. Add the prefab **RTVoice** from Assets/Plugins/crosstales/RTVoice/Resources/Prefabs to the scene

2. Or go to *Tools => RTVoice PRO => Prefabs => **RTVoice***

3. Right-click in the *hierarchy-window => RTVoice PRO => **RTVoice***

4. Add it from the Prefabs-tab:
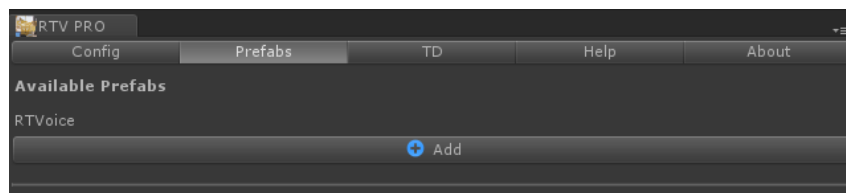
4.3. Other components

The other components can be added in the same way as "RTVoice".

4.3.1. AudioFileGenerator

This scene generates audio files from text files with lines like:

```
#Text;Output file (without extension);Voice name;Rate;Pitch;Volume
This is a test speech;Speeches\Mary01;cmu-slt-hsmm;1.2;0.85;0.95
```
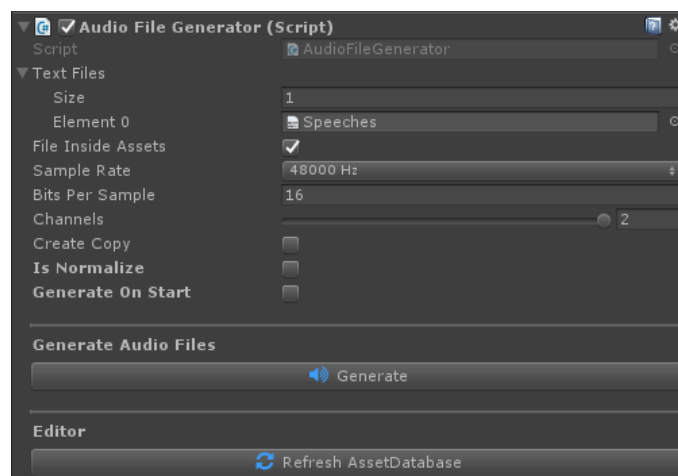
4.3.2. SpeechText

Allows to speak and store generated audio.
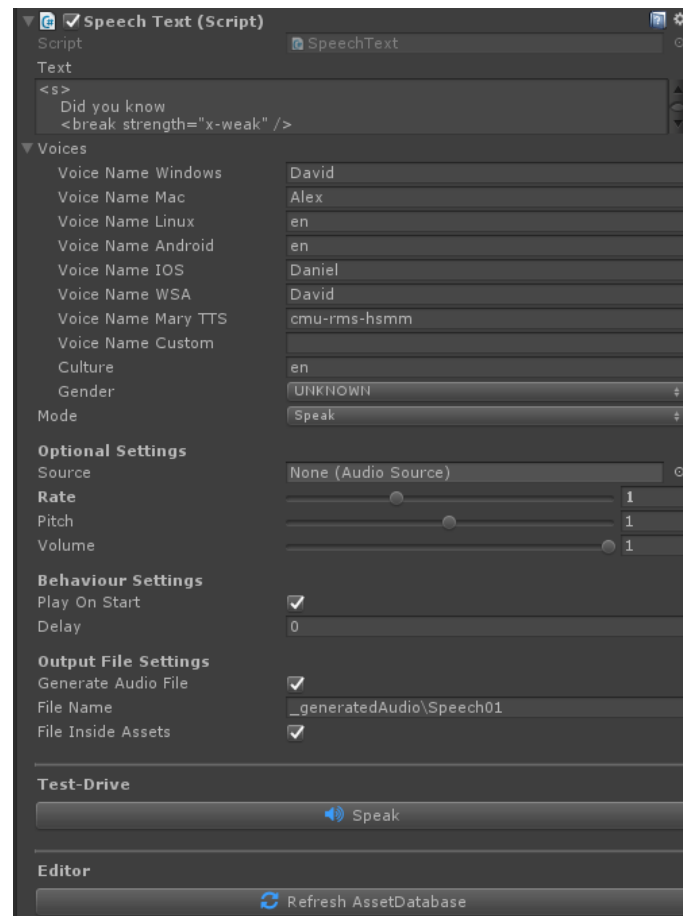
4.3.3. Sequencer

Simple sequencer for dialogues.

4.3.4. Loudspeaker

Loudspeaker for an AudioSource.

This is useful to use a speech on multiple locations in the game.

4.3.5. VoiceInitalizer

This component allows to initalize voices to provide lag-free speeches. It's especially useful for Android.

Add it together with RT-Voice to the first scene (e.g. splash screen).

4.3.6. **TextFileSpeaker**

Allows to speak text files.
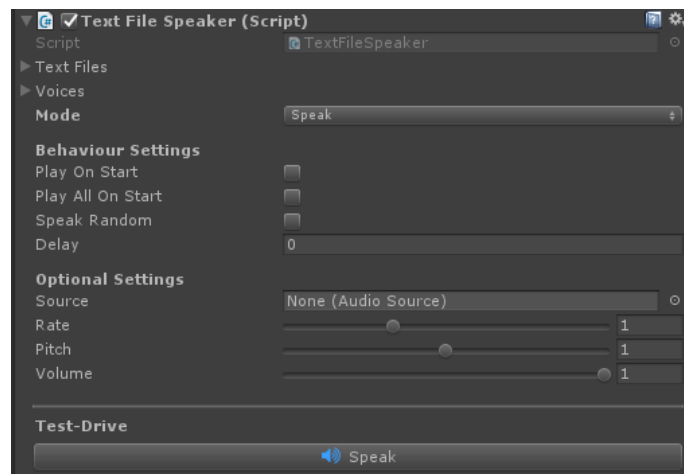
4.3.7. **Paralanguage**

Paralanguage allows to use sounds inside a speech:

It works like this: add 1-n audio clips (names without spaces). Then add text and fill in the desired clips with the **#** as pre- and postfix.

4.3.8. GlobalCache

Caches speeches with a given voice to save time and performance (and bandwidth if an online provider is used).

It also allows to persist the generated speeches if the application is closed and re-uses them for the next run.

4.3.9. PlatformProvider

This component allows to use a specific provider per platform, e.g. MaryTTS for WebGL

4.4. Differences between standard and native mode

In the **standard** mode the TTS-system of the OS will **convert** text to an **audio** file and return it to **Unity** as an "**AudioSource**" for further use (like changing the volume, pitch etc.).

On the other hand, the **native** mode **delegates** the speech-task **entirely** to the underlying TTS-system (outside of Unity). It offers less **control** but it uses slightly **less performance**.

We clearly **recommend** using the **standard** mode.

4.5. Speaker.cs vs. LiveSpeaker.cs

"Speaker.cs" is the main class of RT-Voice and presents the API via methods. "LiveSpeaker.cs" on the other hand is a wrapper for "Speaker.cs" and presents the API as normal C#-instance via public methods. The main usage of "LiveSpeaker.cs" is as a receiver for "SendMessage"-calls.

4.6. MaryTTS

MaryTTS is an open-source TTS with a server, client and many voices.

It enables TTS under all Unity platforms.

Customize everything by yourself, just follow their guides:

http://mary.dfki.de/

To enable MaryTTS, simply check "MaryTTS" in the RTVoice-component and configure the URL and port.

4.6.1. Important

The default server in RT-Voice is the test server from MaryTTS.

Never release a product with the **default configuration** and install your own server (local/remote)!

4.6.2. Account for our MaryTTS-service

We offer a service for MaryTTS. It's currently free and in early beta-stage, this means it could be sometimes slow or unavailable.

If you're interested in getting a test account, contact us.

4.6.3. Installation guide

We created a guide which should help installing a MaryTTS-server with HTTPS (needed for the WebGL-platform).

It can be found under "Assets/crosstales/RTVoice/Documentation/MaryTTS.pdf".

5. API

The asset contains various classes and methods. The most important are explained here.

Make sure to **include** the **name space** in the relevant source files:

```
using Crosstales.RTVoice;
```

5.1. Speaker

The "Speaker.cs" is a singleton and contains the following important methods.

5.1.1. Speak

Speaks a text with a given voice and optional AudioSource.

For example:

```
//Immediately speak "hello world" with the first available voice
Speaker.Instance.Speak("hello world", audioSource);
```

```
//Immediately speak "hello world" with the first English voice (if available
else it uses the first voice on the OS)
Speaker.Instance.Speak("hello world", audioSource,
Speaker.Instance.VoiceForCulture("en"));
```

```
// Prepare speak "hello world" with the first available voice (without
AudioSource.Play() - this is up to you). With this technique, all audio texts
of a scene can be created in advance and the AudioSource can be modified in
various ways
Speaker.Instance.Speak("hello world", audioSource, null, false);
```

5.1.2. SpeakNative

Speaks a text with a given voice.

For example:

```
//Speak "hello world" with the first available voice
Speaker.Instance.SpeakNative("hello world");
```

```
//Speak "hello world" with the first English voice (if available else it uses
the first voice on the OS)
```

```
Speaker.Instance.SpeakNative("hello world",
Speaker.Instance.VoiceForCulture("en"));
```

5.1.3. Silence

Silence all active TTS-voices.

Example:

```
//Silence all voices
Speaker.Instance.Silence();
```

5.1.4. Voices

```
List<Voice> Voices
```

Returns all available voices (alphabetically ordered by 'Name').

5.1.5. VoicesForGender

```
List<Voice> VoicesForGender(Model.Enum.Gender gender, string culture)
```

Returns all available voices for a given gender and optional culture (alphabetically ordered by 'Name').

5.1.6. VoiceForGender

```
Voice VoiceForGender(Model.Enum.Gender gender, string culture, int index,
string fallbackCulture)
```

Returns a voice for the given gender and optional culture/index/fallbackCulture.

5.1.7. VoicesForCulture

```
List<Voice> VoicesForCulture(string culture)
```

Returns all available voices for a given culture (alphabetically ordered by 'Name').

5.1.8. **VoiceForCulture**

`Voice VoiceForCulture(string culture, int index, string fallbackCulture)`
Returns a voice for the given culture and optional index/fallbackCulture.

5.1.9. **VoiceForName**

`Voice VoiceForName(string name)`
Returns the voice for the given name or null if not found.

5.1.10.   **Cultures**

`List<string> Cultures`
Returns all available cultures (alphabetically ordered by 'Culture').

5.2. Callbacks

There are various callbacks available. Subscribe them in the "Start"-method and unsubscribe in "OnDestroy".

5.2.1. Voices ready

```
VoicesReady();
```

```
VoicesReady OnVoicesReady;
```

Triggered as soon as the voices of a provider are ready to use.

5.2.2. Speak start and complete

```
SpeakStart(Wrapper wrapper);
```

```
SpeakStart OnSpeakStart;
```

Triggered whenever a speak is started.

```
SpeakComplete(Wrapper wrapper);
```

```
SpeakComplete OnSpeakComplete;
```

Triggered whenever a native speak is completed.

5.2.1. Current word (native, Windows and iOS only)

```
SpeakCurrentWord(Wrapper wrapper, string[] speechTextArray, int wordIndex);
```

```
SpeakCurrentWord OnSpeakCurrentWord;
```

Triggered whenever a new word is spoken (native, Windows and iOS only).

5.2.2. Current phoneme (native, Windows only)

```
SpeakCurrentPhoneme(Wrapper wrapper, string phoneme);
```

```
SpeakCurrentPhoneme OnSpeakCurrentPhoneme;
```

Triggered whenever a new phoneme is spoken (native mode, Windows only).

5.2.3. Current viseme (native, Windows only)

```
SpeakCurrentViseme(Wrapper wrapper, string viseme);
```

```
SpeakCurrentViseme OnSpeakCurrentViseme;
```

Triggered whenever a new viseme is spoken (native mode, Windows only).

5.2.4. Speak audio generation start and complete

`SpeakAudioGenerationStart(Wrapper wrapper);`

`SpeakAudioGenerationStart` **`OnSpeakAudioGenerationStart`**`;`

Triggered whenever a speak audio generation is started.

`SpeakAudioGenerationComplete(Wrapper wrapper);`

`SpeakAudioGenerationComplete` **`OnSpeakAudioGenerationComplete`**`;`

Triggered whenever a speak audio generation is completed.

5.2.5. Provider change

`ProviderChange(string provider);`

`ProviderChange` **`OnProviderChange`**`;`

Triggered whenever a provider changes (e.g. from Windows to MaryTTS).

5.2.6. Errors

`ErrorInfo(string info);`

`ErrorInfo` **`OnErorInfo`**`;`

Triggered whenever an error occurs.

5.2.7. Example

Wait until all voices are ready. Then speak the text and get informed when it starts and completes:

```
using UnityEngine;
using Crosstales.RTVoice;
using Crosstales.RTVoice.Model;

public class SimpleExample : MonoBehaviour {
      public void OnEnable() {
            // Subscribe event listeners
            Speaker.Instance.OnVoicesReady += voicesReady;
            Speaker.Instance.OnSpeakStart += speakStart;
            Speaker.Instance.OnSpeakComplete += speakComplete;
      }

      public void OnDisable() {
            // Unsubscribe event listeners
            Speaker.Instance.OnVoicesReady -= voicesReady;
            Speaker.Instance.OnSpeakStart -= speakStart;
            Speaker.Instance.OnSpeakComplete -= speakComplete;
      }

      private void voicesReady() {
            Debug.Log("Voices are ready!");
            Speaker.Instance.SpeakNative("Hello world!");
      }

      private void speakStart(Wrapper wrapper) {
            Debug.Log("speakStart: " + wrapper);
      }

      private void speakComplete(Wrapper wrapper) {
            Debug.LogWarning("speakComplete: " + wrapper);
      }
}
```

5.3. Complete API

For more details, please see the RTVoice-api.pdf

6. Additional voices

RT-Voice works great with third-party voices (e.g. Cereproc).

6.1. Windows

All SAPI5-compatible voices are supported. Microsoft also provides a wide range of voices for different languages:

https://support.microsoft.com/en-us/topic/how-to-download-text-to-speech-languages-for-windows-10-d5a6b612-b3ae-423f-afa5-4f6caf1ec5d3?ui=en-us&rs=en-us&ad=us

There are many free and commercial voices available. Here is a site with more than 36 free voices in 13 languages:

https://zero2000.com/free-text-to-speech-natural-voices.html

6.2. macOS

Apple delivers many voices for different languages. To add or customize them, follow the tutorial below:

http://osxdaily.com/2011/07/25/how-to-add-new-voices-to-mac-os-x/

6.3. Android

The default engine on Android is normally the one from Google: *com.google.android.tts*

Several vendors provide Text-to-Speech (TTS) engines for Android system, and each may support different languages, with different voice qualities. Below is a list of engine names.

Please to visit their pages to find out what languages they support, prices etc.

Important: most of the engines aren't available in **Huawei App Gallery**.

Google TTS

Install first, if not present on your device.

Free, now pre-installed on most devices or available for download from Google Play. Medium quality, unless using network speech generation.

RHVoice

Free of charge engine and voices. Currently supported languages: English (US), Esperanto, Georgian, Kyrgyz, Portuguese (Brazil), Russian, Tatar and Ukrainian. The best quality voices in RHVoice are in Russian.

Vocalizer TTS

Good quality voices, free app, voices for purchase, but offers a one week free trial of the available voices.

Acapela

Free app, voices for purchase. Medium quality.

CereProc TTS

Good quality voices available from Google Play.

eSpeak Free

Mediocre, "robotic" voices in over 40 languages.

Hear2Read

Provides free Indic TTS voices (Kannada, Telugu, Punjabi, Tamil, Gujarati, Marathi, Sanskrit, maybe more in the future). Good quality.

6.4. iOS

Follow the link tp change the quality of the installed voices:

https://support.apple.com/en-us/HT202362

6.5. WSA (UWP) / XBox

See 6.1.

6.6. MaryTTS

http://mary.dfki.de/

6.7. eSpeak

http://espeak.sourceforge.net/languages.html

7. Setup eSpeak

eSpeak and esSpeak-NG are open-source TTS solutions that work under Windows, macOS, Linux and Android.

To take advantage of it, please install it on the PC.

7.1. Windows

http://sourceforge.net/projects/espeak/files/espeak/espeak-1.48/setup_espeak-1.48.04.exe

7.1. macOS

http://sourceforge.net/projects/espeak/files/espeak/espeak-1.45/espeak-1.45.04-OSX.zip

7.2. Linux

`sudo apt-get install espeak`

7.3. eSpeak-NG

https://github.com/espeak-ng/espeak-ng#binaries

8. Third-party support (PlayMaker etc.)

RT-Voice supports various products from other companies. Please import the desired packages from "Assets/Plugins/crosstales/RTVoice/3rd party".

9. Verify installation

Check if RT-Voice is installed:

```
#if CT_RTV
        Debug.Log("RTV installed: " + Util.Constants.ASSET_VERSION);
#else
        Debug.LogWarning("RTV NOT installed!");
#endif
```

10. Upgrade to new version

Follow this steps to upgrade the version of "RT-Voice PRO":

1. Update "RT-Voice PRO" to the latest version from the "Unity AssetStore"
2. Inside the project in Unity, go to menu "File" => "New Scene"
3. Delete the "Assets/Plugins/crosstales/RTVoice" folder from the Project-view
4. Import the latest version downloaded from the "Unity AssetStore"

11. Important notes

11.1. Oculus Quest 2

The Oculus Quest 2 is runs technically on Android, but has no TTS engine installed:

https://forums.oculusvr.com/developer/discussion/78403/oculus-quest-text-to-speech

Pre-generate the speeches or use an online solution instead.

12. Problems, improvements etc.

If you encounter any problems with this asset, just <u>send us an email</u> with a problem description and the invoice number and we will try to solve it

13. Release notes

See "VERSIONS.txt" under "Assets/crosstales/RTVoice/Documentation" or online:

<u>https://crosstales.com/media/data/assets/rtvoice/VERSIONS.txt</u>

14. Credits

The icons are based on <u>Font Awesome</u>.

15. Contact and further information
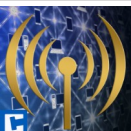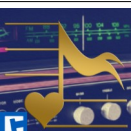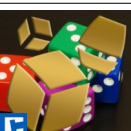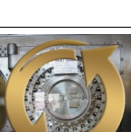
crosstales LLC

Schanzeneggstrasse 1

CH-8002 Zürich

Homepage:	https://www.crosstales.com/en/portfolio/rtvoice/
Email:	rtvoice@crosstales.com
AssetStore:	https://assetstore.unity.com/lists/crosstales-42213
Forum:	https://forum.unity.com/threads/rt-voice-run-time-text-to-speech-solution.340046/
Documentation:	https://www.crosstales.com/media/data/assets/rtvoice/RTVoice-doc.pdf
API:	https://www.crosstales.com/en/assets/rtvoice/api/
WebGL-Demo:	https://www.crosstales.com/media/data/assets/rtvoice/webgl/
Windows-Demo:	https://drive.google.com/file/d/11BFDLbj9vmyrfltXeS_d9zK3oM9h8TaS/view?usp=sharing
Mac-Demo:	https://drive.google.com/file/d/11A7u7g7Cs63Bu7lv7ER9KFTVCU9oWAaT/view?usp=sharing
Linux-Demo:	https://drive.google.com/file/d/1XViADtStr8NXKHPMejXQ6iY4C2U_Bh3o/view?usp=sharing
Android-Demo:	https://drive.google.com/file/d/11FUbfuvSAAT5JgdolUKZO1sCPkTAFYJG/view?usp=sharing

16. Our other assets

3D Skybox	Those beautiful packages contain professional 8k, HDR, stereoscopic 360° real-world skyboxes for your projects.
Bad Word Filter	The "Bad Word Filter" (aka profanity or obscenity filter) is exactly what the title suggests: a tool to filter swearwords and other "bad sentences".
DJ	DJ is a player for external music-files. It allows a user to play his own sound inside any Unity-app. It can also read ID3-tags.
File Browser	File Browser is a wrapper for native file dialogs on Windows, macOS, Linux and UWP (WSA).
Online Check	You need a reliable solution to check for **Internet availability**? Here it is!
Radio	Radio allows implementing free music from Internet radio stations into your project..
True Random	True Random can generate "true random" numbers for you and your application. The randomness comes from atmospheric noise, which for many purposes is better than the pseudo-random number algorithms typically used in computer programs.
Turbo Backup	Turbo Backup is the fastest and safest way to backup your Unity project. It only stores the difference between the last backup, this makes it incredible fast.
Turbo Builder	Turbo Builder creates builds for multiple platforms in one click. It works together with Turbo Switch to offer an incredible fast build pipeline.

	Turbo Switch is a Unity editor extension to reduce the time for assets to import during platform switches. We measured speed improvements up to 100x faster than the built-in switch in Unity.
Turbo Switch	

17. Appendix

17.1. Voices

The voices of all available providers ordered by language.

Please see chapter 6 on how-to add additional voices.

17.1.1. Windows

Windows 10 (64bit, tested: 28.04.2020)

Number of voices: 24 (but can easily be extended with additional voices)

Name	Gender	Language
Microsoft Server Speech Text to Speech Voice (ca-ES, Herena)	FEMALE	ca-ES
Microsoft Server Speech Text to Speech Voice (da-DK, Helle)	FEMALE	da-DK
Microsoft Hedda Desktop	FEMALE	de-DE
Microsoft Server Speech Text to Speech Voice (en-AU, Hayley)	FEMALE	en-AU
Microsoft Server Speech Text to Speech Voice (en-CA, Heather)	FEMALE	en-CA
Microsoft Server Speech Text to Speech Voice (en-IN, Heera)	FEMALE	en-IN
Microsoft Server Speech Text to Speech Voice (en-US, Helen)	FEMALE	en-US
Microsoft Server Speech Text to Speech Voice (en-US, ZiraPro)	FEMALE	en-US
Microsoft Zira Desktop	FEMALE	en-US
Microsoft Server Speech Text to Speech Voice (es-ES, Helena)	FEMALE	es-ES
Microsoft Server Speech Text to Speech Voice (es-MX, Hilda)	FEMALE	es-MX
Microsoft Server Speech Text to Speech Voice (fi-FI, Heidi)	FEMALE	fi-FI
Microsoft Server Speech Text to Speech Voice (fr-CA, Harmonie)	FEMALE	fr-CA
Microsoft Server Speech Text to Speech Voice (fr-FR, Hortense)	FEMALE	fr-FR
Microsoft Server Speech Text to Speech Voice (it-IT, Lucia)	FEMALE	it-IT
Microsoft Server Speech Text to Speech Voice (ja-JP, Haruka)	FEMALE	ja-JP
Microsoft Server Speech Text to Speech Voice (ko-KR,	FEMALE	ko-KR

Heami)		
Microsoft Server Speech Text to Speech Voice (nb-NO, Hulda)	FEMALE	nb-NO
Microsoft Server Speech Text to Speech Voice (nl-NL, Hanna)	FEMALE	nl-NL
Microsoft Server Speech Text to Speech Voice (pl-PL, Paulina)	FEMALE	pl-PL
Microsoft Server Speech Text to Speech Voice (pt-BR, Heloisa)	FEMALE	pt-BR
Microsoft Server Speech Text to Speech Voice (pt-PT, Helia)	FEMALE	pt-PT
Microsoft Server Speech Text to Speech Voice (ru-RU, Elena)	FEMALE	ru-RU
Microsoft Server Speech Text to Speech Voice (sv-SE, Hedvig)	FEMALE	sv-SE

17.1.2.   macOS

Version 13.4 (tested: 19.06.2023)

Number of voices: 143

Name	Gender	Language
Majed	MALE	ar-001
Daria	FEMALE	bg-BG
Montse	FEMALE	ca-ES
Zuzana	FEMALE	cs-CZ
Sara	FEMALE	da-DK
Anna	FEMALE	de-DE
Eddy (German (Germany))	MALE	de-DE
Flo (German (Germany))	FEMALE	de-DE
Grandma (German (Germany))	FEMALE	de-DE
Grandpa (German (Germany))	MALE	de-DE
Reed (German (Germany))	MALE	de-DE
Rocko (German (Germany))	MALE	de-DE
Sandy (German (Germany))	FEMALE	de-DE
Shelley (German (Germany))	FEMALE	de-DE
Melina	FEMALE	el-GR
Karen	FEMALE	en-AU
Daniel	MALE	en-GB
Eddy (English (UK))	MALE	en-GB
Flo (English (UK))	FEMALE	en-GB
Grandma (English (UK))	FEMALE	en-GB
Grandpa (English (UK))	MALE	en-GB
Reed (English (UK))	MALE	en-GB
Rocko (English (UK))	MALE	en-GB
Sandy (English (UK))	FEMALE	en-GB
Shelley (English (UK))	FEMALE	en-GB
Moira	FEMALE	en-IE
Rishi	MALE	en-IN
Albert	MALE	en-US
Bad News	UNKNOWN	en-US
Bahh	UNKNOWN	en-US
Bells	UNKNOWN	en-US
Boing	UNKNOWN	en-US
Bubbles	UNKNOWN	en-US
Cellos	UNKNOWN	en-US
Eddy (English (US))	MALE	en-US
Flo (English (US))	FEMALE	en-US
Fred	MALE	en-US
Good News	UNKNOWN	en-US
Grandma (English (US))	FEMALE	en-US
Grandpa (English (US))	MALE	en-US

Jester	MALE	en-US
Junior	UNKNOWN	en-US
Kathy	FEMALE	en-US
Organ	UNKNOWN	en-US
Ralph	MALE	en-US
Reed (English (US))	MALE	en-US
Rocko (English (US))	MALE	en-US
Samantha	FEMALE	en-US
Sandy (English (US))	FEMALE	en-US
Shelley (English (US))	FEMALE	en-US
Superstar	UNKNOWN	en-US
Trinoids	UNKNOWN	en-US
Whisper	UNKNOWN	en-US
Wobble	UNKNOWN	en-US
Zarvox	UNKNOWN	en-US
Tessa	FEMALE	en-ZA
Eddy (Spanish (Spain))	MALE	es-ES
Flo (Spanish (Spain))	FEMALE	es-ES
Grandma (Spanish (Spain))	FEMALE	es-ES
Grandpa (Spanish (Spain))	MALE	es-ES
Mónica	FEMALE	es-ES
Reed (Spanish (Spain))	MALE	es-ES
Rocko (Spanish (Spain))	MALE	es-ES
Sandy (Spanish (Spain))	FEMALE	es-ES
Shelley (Spanish (Spain))	FEMALE	es-ES
Eddy (Spanish (Mexico))	MALE	es-MX
Flo (Spanish (Mexico))	FEMALE	es-MX
Grandma (Spanish (Mexico))	FEMALE	es-MX
Grandpa (Spanish (Mexico))	MALE	es-MX
Paulina	FEMALE	es-MX
Reed (Spanish (Mexico))	MALE	es-MX
Rocko (Spanish (Mexico))	MALE	es-MX
Sandy (Spanish (Mexico))	FEMALE	es-MX
Shelley (Spanish (Mexico))	FEMALE	es-MX
Eddy (Finnish (Finland))	MALE	fi-FI
Flo (Finnish (Finland))	FEMALE	fi-FI
Grandma (Finnish (Finland))	FEMALE	fi-FI
Grandpa (Finnish (Finland))	MALE	fi-FI
Reed (Finnish (Finland))	MALE	fi-FI
Rocko (Finnish (Finland))	MALE	fi-FI
Sandy (Finnish (Finland))	FEMALE	fi-FI
Satu	FEMALE	fi-FI
Shelley (Finnish (Finland))	FEMALE	fi-FI
Amélie	FEMALE	fr-CA
Eddy (French (Canada))	MALE	fr-CA
Flo (French (Canada))	FEMALE	fr-CA
Grandma (French (Canada))	FEMALE	fr-CA

Grandpa (French (Canada))	MALE	fr-CA
Reed (French (Canada))	MALE	fr-CA
Rocko (French (Canada))	MALE	fr-CA
Sandy (French (Canada))	FEMALE	fr-CA
Shelley (French (Canada))	FEMALE	fr-CA
Eddy (French (France))	MALE	fr-FR
Flo (French (France))	FEMALE	fr-FR
Grandma (French (France))	FEMALE	fr-FR
Grandpa (French (France))	MALE	fr-FR
Jacques	MALE	fr-FR
Rocko (French (France))	MALE	fr-FR
Sandy (French (France))	FEMALE	fr-FR
Shelley (French (France))	FEMALE	fr-FR
Thomas	MALE	fr-FR
Carmit	FEMALE	he-IL
Lekha	FEMALE	hi-IN
Lana	FEMALE	hr-HR
Tünde	FEMALE	hu-HU
Damayanti	FEMALE	id-ID
Alice	FEMALE	it-IT
Eddy (Italian (Italy))	MALE	it-IT
Flo (Italian (Italy))	FEMALE	it-IT
Grandma (Italian (Italy))	FEMALE	it-IT
Grandpa (Italian (Italy))	MALE	it-IT
Reed (Italian (Italy))	MALE	it-IT
Rocko (Italian (Italy))	MALE	it-IT
Sandy (Italian (Italy))	FEMALE	it-IT
Shelley (Italian (Italy))	FEMALE	it-IT
Kyoko	FEMALE	ja-JP
Yuna	FEMALE	ko-KR
Amira	FEMALE	ms-MY
Nora	FEMALE	nb-NO
Ellen	FEMALE	nl-BE
Xander	MALE	nl-NL
Zosia	FEMALE	pl-PL
Eddy (Portuguese (Brazil))	MALE	pt-BR
Flo (Portuguese (Brazil))	FEMALE	pt-BR
Grandma (Portuguese (Brazil))	FEMALE	pt-BR
Grandpa (Portuguese (Brazil))	MALE	pt-BR
Luciana	FEMALE	pt-BR
Reed (Portuguese (Brazil))	MALE	pt-BR
Rocko (Portuguese (Brazil))	MALE	pt-BR
Sandy (Portuguese (Brazil))	FEMALE	pt-BR
Shelley (Portuguese (Brazil))	FEMALE	pt-BR
Joana	FEMALE	pt-PT
Ioana	FEMALE	ro-RO
Milena	FEMALE	ru-RU

Laura	FEMALE	sk-SK
Alva	FEMALE	sv-SE
Kanya	FEMALE	th-TH
Yelda	FEMALE	tr-TR
Lesya	FEMALE	uk-UA
Linh	FEMALE	vi-VN
Tingting	FEMALE	zh-CN
Sinji	FEMALE	zh-HK
Meijia	FEMALE	zh-TW

17.1.3. Android

Version 11 (Google TTS, tested: 27.08.2021)

Number of voices: 227

Name	Gender	Language
ar-language	FEMALE	ar
ar-xa-x-arc-local	FEMALE	ar
ar-xa-x-ard-local	MALE	ar
ar-xa-x-are-local	MALE	ar
ar-xa-x-arz-local	FEMALE	ar
bn-BD-language	MALE	bn-BD
bn-bd-x-ban-local	MALE	bn-BD
bn-IN-language	FEMALE	bn-IN
bn-in-x-bin-local	MALE	bn-IN
bn-in-x-bnf-local	FEMALE	bn-IN
bn-in-x-bnm-local	MALE	bn-IN
bn-in-x-bnx-local	FEMALE	bn-IN
bs	FEMALE	bs
ca	FEMALE	ca
cmn-cn-x-ccc-local	FEMALE	zh-CN
cmn-cn-x-ccd-local	MALE	zh-CN
cmn-cn-x-cce-local	MALE	zh-CN
cmn-cn-x-ssa-local	FEMALE	zh-CN
cmn-tw-x-ctc-local	FEMALE	zh-TW
cmn-tw-x-ctd-local	MALE	zh-TW
cmn-tw-x-cte-local	MALE	zh-TW
cs-CZ-language	FEMALE	cs-CZ
cs-cz-x-jfs-local	FEMALE	cs-CZ
cy	FEMALE	cy
da-DK-language	FEMALE	da-DK
da-dk-x-kfm-local	FEMALE	da-DK
da-dk-x-nmm-local	MALE	da-DK
da-dk-x-sfp-local	FEMALE	da-DK
da-dk-x-vfb-local	FEMALE	da-DK
de-DE-language	FEMALE	de-DE
de-de-x-deb-local	MALE	de-DE
de-de-x-deg-local	MALE	de-DE
de-de-x-nfh-local	FEMALE	de-DE
el-GR-language	FEMALE	el-GR
el-gr-x-vfz-local	FEMALE	el-GR
en-AU-language	FEMALE	en-AU
en-au-x-afh-local	FEMALE	en-AU
en-au-x-aua-local	FEMALE	en-AU
en-au-x-aub-local	MALE	en-AU
en-au-x-auc-local	FEMALE	en-AU

en-au-x-aud-local	MALE	en-AU
en-GB-language	FEMALE	en-GB
en-gb-x-fis-local	FEMALE	en-GB
en-gb-x-gba-local	FEMALE	en-GB
en-gb-x-gbb-local	MALE	en-GB
en-gb-x-gbc-local	FEMALE	en-GB
en-gb-x-gbd-local	MALE	en-GB
en-gb-x-gbg-local	FEMALE	en-GB
en-gb-x-rjs-local	MALE	en-GB
en-IN-language	FEMALE	en-IN
en-in-x-ahp-local	FEMALE	en-IN
en-in-x-cxx-local	FEMALE	en-IN
en-in-x-ena-local	FEMALE	en-IN
en-in-x-enc-local	FEMALE	en-IN
en-in-x-end-local	MALE	en-IN
en-in-x-ene-local	MALE	en-IN
en-NG-language	FEMALE	en-NG
en-ng-x-tfn-local	FEMALE	en-NG
en-US-language	FEMALE	en-US
en-us-x-iob-local	FEMALE	en-US
en-us-x-iog-local	FEMALE	en-US
en-us-x-iol-local	MALE	en-US
en-us-x-iom-local	MALE	en-US
en-us-x-sfg-local	FEMALE	en-US
en-us-x-tpc-local	FEMALE	en-US
en-us-x-tpd-local	MALE	en-US
en-us-x-tpf-local	FEMALE	en-US
es-ES-language	FEMALE	es-ES
es-es-x-eea-local	FEMALE	es-ES
es-es-x-eec-local	FEMALE	es-ES
es-es-x-eed-local	MALE	es-ES
es-es-x-eee-local	FEMALE	es-ES
es-es-x-eef-local	MALE	es-ES
es-US-language	FEMALE	es-US
es-us-x-esc-local	FEMALE	es-US
es-us-x-esd-local	MALE	es-US
es-us-x-esf-local	MALE	es-US
et-EE-language	MALE	et-EE
et-ee-x-tms-local	MALE	et-EE
fi-FI-language	FEMALE	fi-FI
fi-fi-x-afi-local	FEMALE	fi-FI
fil-PH-language	FEMALE	fil-PH
fil-ph-x-cfc-local	FEMALE	fil-PH
fil-ph-x-fic-local	FEMALE	fil-PH
fil-ph-x-fid-local	MALE	fil-PH
fil-ph-x-fie-local	MALE	fil-PH
fr-CA-language	FEMALE	fr-CA

fr-ca-x-caa-local	FEMALE	fr-CA
fr-ca-x-cab-local	MALE	fr-CA
fr-ca-x-cac-local	FEMALE	fr-CA
fr-ca-x-cad-local	MALE	fr-CA
fr-FR-language	FEMALE	fr-FR
fr-fr-x-fra-local	FEMALE	fr-FR
fr-fr-x-frb-local	MALE	fr-FR
fr-fr-x-frc-local	FEMALE	fr-FR
fr-fr-x-frd-local	MALE	fr-FR
fr-fr-x-vlf-local	FEMALE	fr-FR
gu-IN-language	FEMALE	gu-IN
gu-in-x-guf-local	FEMALE	gu-IN
gu-in-x-gum-local	MALE	gu-IN
hi-IN-language	FEMALE	hi-IN
hi-in-x-cfn-local	FEMALE	hi-IN
hi-in-x-hia-local	FEMALE	hi-IN
hi-in-x-hic-local	FEMALE	hi-IN
hi-in-x-hid-local	MALE	hi-IN
hi-in-x-hie-local	MALE	hi-IN
hr	FEMALE	hr
hu-HU-language	FEMALE	hu-HU
hu-hu-x-kfl-local	FEMALE	hu-HU
id-ID-language	FEMALE	in-ID
id-id-x-dfz-local	FEMALE	in-ID
id-id-x-idc-local	FEMALE	in-ID
id-id-x-idd-local	MALE	in-ID
id-id-x-ide-local	MALE	in-ID
it-IT-language	FEMALE	it-IT
it-it-x-itb-local	FEMALE	it-IT
it-it-x-itc-local	MALE	it-IT
it-it-x-itd-local	MALE	it-IT
it-it-x-kda-local	FEMALE	it-IT
ja-JP-language	FEMALE	ja-JP
ja-jp-x-htm-local	FEMALE	ja-JP
ja-jp-x-jab-local	FEMALE	ja-JP
ja-jp-x-jac-local	MALE	ja-JP
ja-jp-x-jad-local	MALE	ja-JP
jv-ID-language	FEMALE	jv-ID
jv-id-x-jvf-local	FEMALE	jv-ID
km-KH-language	FEMALE	km-KH
km-kh-x-khm-local	FEMALE	km-KH
kn-IN-language	FEMALE	kn-IN
kn-in-x-knf-local	FEMALE	kn-IN
kn-in-x-knm-local	MALE	kn-IN
ko-KR-language	FEMALE	ko-KR
ko-kr-x-ism-local	FEMALE	ko-KR
ko-kr-x-kob-local	FEMALE	ko-KR

ko-kr-x-koc-local	MALE	ko-KR
ko-kr-x-kod-local	MALE	ko-KR
ku	FEMALE	ku
lə	FEMALE	lə
ml-IN-language	FEMALE	ml-IN
ml-in-x-mlf-local	FEMALE	ml-IN
ml-in-x-mlm-local	MALE	ml-IN
mr-IN-language	FEMALE	mr-IN
mr-in-x-mrf-local	FEMALE	mr-IN
ms-MY-language	FEMALE	ms-MY
ms-my-x-msc-local	FEMALE	ms-MY
ms-my-x-msd-local	MALE	ms-MY
ms-my-x-mse-local	FEMALE	ms-MY
ms-my-x-msg-local	MALE	ms-MY
nb-NO-language	FEMALE	nb-NO
nb-no-x-cfl-local	FEMALE	nb-NO
nb-no-x-cmj-local	MALE	nb-NO
nb-no-x-rfj-local	FEMALE	nb-NO
nb-no-x-tfs-local	FEMALE	nb-NO
nb-no-x-tmg-local	MALE	nb-NO
ne-NP-language	FEMALE	ne-NP
ne-np-x-nep-local	FEMALE	ne-NP
nl-NL-language	FEMALE	nl-NL
nl-nl-x-bmh-local	MALE	nl-NL
nl-nl-x-dma-local	MALE	nl-NL
nl-nl-x-lfc-local	FEMALE	nl-NL
nl-nl-x-tfb-local	FEMALE	nl-NL
nl-nl-x-yfr-local	FEMALE	nl-NL
pl-PL-language	FEMALE	pl-PL
pl-pl-x-afb-local	FEMALE	pl-PL
pl-pl-x-bmg-local	MALE	pl-PL
pl-pl-x-jmk-local	MALE	pl-PL
pl-pl-x-oda-local	FEMALE	pl-PL
pl-pl-x-zfg-local	FEMALE	pl-PL
pt-BR-language	FEMALE	pt-BR
pt-br-x-afs-local	FEMALE	pt-BR
pt-PT-language	FEMALE	pt-PT
pt-pt-x-jfb-local	FEMALE	pt-PT
pt-pt-x-jmn-local	MALE	pt-PT
pt-pt-x-pmj-local	MALE	pt-PT
pt-pt-x-sfs-local	FEMALE	pt-PT
ro-RO-language	FEMALE	ro-RO
ro-ro-x-vfv-local	FEMALE	ro-RO
ru-RU-language	FEMALE	ru-RU
ru-ru-x-dfc-local	FEMALE	ru-RU
ru-ru-x-ruc-local	FEMALE	ru-RU
ru-ru-x-rud-local	MALE	ru-RU

ru-ru-x-rue-local	FEMALE	ru-RU
ru-ru-x-ruf-local	MALE	ru-RU
si-LK-language	FEMALE	si-LK
si-lk-x-sin-local	FEMALE	si-LK
sk-SK-language	FEMALE	sk-SK
sk-sk-x-sfk-local	FEMALE	sk-SK
sq	FEMALE	sq
sr	FEMALE	sr
su-ID-language	FEMALE	su-ID
su-id-x-suf-local	FEMALE	su-ID
sv-SE-language	FEMALE	sv-SE
sv-se-x-lfs-local	FEMALE	sv-SE
sw	FEMALE	sw
ta-IN-language	FEMALE	ta-IN
ta-in-x-taf-local	FEMALE	ta-IN
ta-in-x-tag-local	MALE	ta-IN
te-IN-language	FEMALE	te-IN
te-in-x-tef-local	FEMALE	te-IN
te-in-x-tem-local	MALE	te-IN
th-TH-language	FEMALE	th-TH
th-th-x-mol-local	FEMALE	th-TH
tr-TR-language	FEMALE	tr-TR
tr-tr-x-ama-local	MALE	tr-TR
tr-tr-x-cfs-local	FEMALE	tr-TR
tr-tr-x-efu-local	FEMALE	tr-TR
tr-tr-x-mfm-local	FEMALE	tr-TR
tr-tr-x-tmc-local	MALE	tr-TR
uk-UA-language	FEMALE	uk-UA
uk-ua-x-hfd-local	FEMALE	uk-UA
ur-PK-language	FEMALE	ur-PK
ur-pk-x-cfn-local	FEMALE	ur-PK
ur-pk-x-urm-local	MALE	ur-PK
vi-VN-language	FEMALE	vi-VN
vi-vn-x-gft-local	FEMALE	vi-VN
vi-vn-x-vic-local	FEMALE	vi-VN
vi-vn-x-vid-local	MALE	vi-VN
vi-vn-x-vie-local	FEMALE	vi-VN
vi-vn-x-vif-local	MALE	vi-VN
yue-HK-language	FEMALE	yue-HK
yue-hk-x-jar-local	FEMALE	yue-HK
yue-hk-x-yuc-local	FEMALE	yue-HK
yue-hk-x-yud-local	MALE	yue-HK
yue-hk-x-yue-local	FEMALE	yue-HK
yue-hk-x-yuf-local	MALE	yue-HK
zh-CN-language	FEMALE	zh-CN
zh-TW-language	FEMALE	zh-TW

17.1.4. iOS

Version 16.5 (tested: 30.06.2023)

Number of voices: 158

Name	Gender	Language
Majed	UNKNOWN	ar-001
Daria	UNKNOWN	bg-BG
Montse	UNKNOWN	ca-ES
Zuzana	FEMALE	cs-CZ
Sara	FEMALE	da-DK
Anna	FEMALE	de-DE
Eddy	UNKNOWN	de-DE
Flo	UNKNOWN	de-DE
Grandma	UNKNOWN	de-DE
Grandpa	UNKNOWN	de-DE
Helena	FEMALE	de-DE
Martin	MALE	de-DE
Reed	UNKNOWN	de-DE
Rocko	UNKNOWN	de-DE
Sandy	UNKNOWN	de-DE
Shelley	UNKNOWN	de-DE
Melina	FEMALE	el-GR
Catherine	FEMALE	en-AU
Gordon	MALE	en-AU
Karen	FEMALE	en-AU
Arthur	MALE	en-GB
Daniel	MALE	en-GB
Eddy	UNKNOWN	en-GB
Flo	UNKNOWN	en-GB
Grandma	UNKNOWN	en-GB
Grandpa	UNKNOWN	en-GB
Martha	FEMALE	en-GB
Reed	UNKNOWN	en-GB
Rocko	UNKNOWN	en-GB
Sandy	UNKNOWN	en-GB
Shelley	UNKNOWN	en-GB
Moira	FEMALE	en-IE
Rishi	UNKNOWN	en-IN
Aaron	MALE	en-US
Albert	UNKNOWN	en-US
Bad News	UNKNOWN	en-US
Bahh	UNKNOWN	en-US
Bells	UNKNOWN	en-US
Boing	UNKNOWN	en-US
Bubbles	UNKNOWN	en-US

Cellos	UNKNOWN	en-US
Eddy	UNKNOWN	en-US
Flo	UNKNOWN	en-US
Fred	MALE	en-US
Good News	UNKNOWN	en-US
Grandma	UNKNOWN	en-US
Grandpa	UNKNOWN	en-US
Jester	UNKNOWN	en-US
Junior	UNKNOWN	en-US
Kathy	UNKNOWN	en-US
Nicky	FEMALE	en-US
Organ	UNKNOWN	en-US
Ralph	UNKNOWN	en-US
Reed	UNKNOWN	en-US
Rocko	UNKNOWN	en-US
Samantha	FEMALE	en-US
Sandy	UNKNOWN	en-US
Shelley	UNKNOWN	en-US
Superstar	UNKNOWN	en-US
Trinoids	UNKNOWN	en-US
Whisper	UNKNOWN	en-US
Wobble	UNKNOWN	en-US
Zarvox	UNKNOWN	en-US
Tessa	FEMALE	en-ZA
Eddy	UNKNOWN	es-ES
Flo	UNKNOWN	es-ES
Grandma	UNKNOWN	es-ES
Grandpa	UNKNOWN	es-ES
Mónica	FEMALE	es-ES
Reed	UNKNOWN	es-ES
Rocko	UNKNOWN	es-ES
Sandy	UNKNOWN	es-ES
Shelley	UNKNOWN	es-ES
Eddy	UNKNOWN	es-MX
Flo	UNKNOWN	es-MX
Grandma	UNKNOWN	es-MX
Grandpa	UNKNOWN	es-MX
Paulina	FEMALE	es-MX
Reed	UNKNOWN	es-MX
Rocko	UNKNOWN	es-MX
Sandy	UNKNOWN	es-MX
Shelley	UNKNOWN	es-MX
Eddy	UNKNOWN	fi-FI
Flo	UNKNOWN	fi-FI
Grandma	UNKNOWN	fi-FI
Grandpa	UNKNOWN	fi-FI
Reed	UNKNOWN	fi-FI

Rocko	UNKNOWN	fi-FI
Sandy	UNKNOWN	fi-FI
Satu	FEMALE	fi-FI
Shelley	UNKNOWN	fi-FI
Amélie	FEMALE	fr-CA
Eddy	UNKNOWN	fr-CA
Flo	UNKNOWN	fr-CA
Grandma	UNKNOWN	fr-CA
Grandpa	UNKNOWN	fr-CA
Reed	UNKNOWN	fr-CA
Rocko	UNKNOWN	fr-CA
Sandy	UNKNOWN	fr-CA
Shelley	UNKNOWN	fr-CA
Daniel	MALE	fr-FR
Eddy	UNKNOWN	fr-FR
Flo	UNKNOWN	fr-FR
Grandma	UNKNOWN	fr-FR
Grandpa	UNKNOWN	fr-FR
Jacques	UNKNOWN	fr-FR
Marie	FEMALE	fr-FR
Rocko	UNKNOWN	fr-FR
Sandy	UNKNOWN	fr-FR
Shelley	UNKNOWN	fr-FR
Thomas	MALE	fr-FR
Carmit	FEMALE	he-IL
Lekha	FEMALE	hi-IN
Lana	UNKNOWN	hr-HR
Tünde	UNKNOWN	hu-HU
Damayanti	FEMALE	id-ID
Alice	FEMALE	it-IT
Eddy	UNKNOWN	it-IT
Flo	UNKNOWN	it-IT
Grandma	UNKNOWN	it-IT
Grandpa	UNKNOWN	it-IT
Reed	UNKNOWN	it-IT
Rocko	UNKNOWN	it-IT
Sandy	UNKNOWN	it-IT
Shelley	UNKNOWN	it-IT
Hattori	MALE	ja-JP
Kyoko	FEMALE	ja-JP
O-ren	FEMALE	ja-JP
Yuna	FEMALE	ko-KR
Amira	UNKNOWN	ms-MY
Nora	FEMALE	nb-NO
Ellen	FEMALE	nl-BE
Xander	MALE	nl-NL
Zosia	FEMALE	pl-PL

Eddy	UNKNOWN	pt-BR
Flo	UNKNOWN	pt-BR
Grandma	UNKNOWN	pt-BR
Grandpa	UNKNOWN	pt-BR
Luciana	FEMALE	pt-BR
Reed	UNKNOWN	pt-BR
Rocko	UNKNOWN	pt-BR
Sandy	UNKNOWN	pt-BR
Shelley	UNKNOWN	pt-BR
Joana	FEMALE	pt-PT
Ioana	FEMALE	ro-RO
Milena	FEMALE	ru-RU
Laura	FEMALE	sk-SK
Alva	FEMALE	sv-SE
Kanya	FEMALE	th-TH
Kanya (Enhanced)	FEMALE	th-TH
Yelda	FEMALE	tr-TR
Lesya	UNKNOWN	uk-UA
Linh	UNKNOWN	vi-VN
Li-mu	FEMALE	zh-CN
Tingting	UNKNOWN	zh-CN
Yu-shu	FEMALE	zh-CN
Sinji	UNKNOWN	zh-HK
Meijia	UNKNOWN	zh-TW

17.1.5. WSA (UWP) / XBox

Depends on the installed voices.

17.1.6.   MaryTTS

Version 5.2 (tested: 27.08.2021)

Number of voices: 32

Name	Gender	Language
bits1	FEMALE	de
bits1-hsmm	FEMALE	de
bits2	MALE	de
bits3	MALE	de
bits3-hsmm	MALE	de
bits4	FEMALE	de
dfki-pavoque-neutral	MALE	de
dfki-pavoque-neutral-hsmm	MALE	de
dfki-obadiah	MALE	en-GB
dfki-obadiah-hsmm	MALE	en-GB
dfki-poppy	FEMALE	en-GB
dfki-poppy-hsmm	FEMALE	en-GB
dfki-prudence	FEMALE	en-GB
dfki-prudence-hsmm	FEMALE	en-GB
dfki-spike	MALE	en-GB
dfki-spike-hsmm	MALE	en-GB
cmu-bdl	MALE	en-US
cmu-bdl-hsmm	MALE	en-US
cmu-rms	MALE	en-US
cmu-rms-hsmm	MALE	en-US
cmu-slt	FEMALE	en-US
cmu-slt-hsmm	FEMALE	en-US
enst-camille	FEMALE	fr
enst-camille-hsmm	FEMALE	fr
enst-dennys-hsmm	MALE	fr
upmc-jessica	FEMALE	fr
upmc-jessica-hsmm	FEMALE	fr
upmc-pierre	MALE	fr
upmc-pierre-hsmm	MALE	fr
istc-lucia-hsmm	FEMALE	it
dfki-ot	MALE	tr
dfki-ot-hsmm	MALE	tr

17.1.7. eSpeak

Version 1.48.03 (tested: 27.08.2021)

Number of voices: 83

Name	Gender	Language
amharic-test	UNKNOWN	am
aragonese	MALE	an
assamese-test	UNKNOWN	as
azerbaijani-test	UNKNOWN	az
bulgarian	UNKNOWN	bg
bengali-test	MALE	bn
bosnian	MALE	bs
catalan	MALE	ca
czech	MALE	cs
welsh	MALE	cy
danish	MALE	da
german	MALE	de
greek	MALE	el
default	MALE	en
english	MALE	en-gb
en-scottish	MALE	en-sc
english-north	MALE	en-uk-north
english_rp	MALE	en-uk-rp
english_wmids	MALE	en-uk-wmids
english-us	MALE	en-us
en-westindies	MALE	en-wi
esperanto	MALE	eo
spanish	MALE	es
spanish-latin-am	MALE	es-la
estonian	UNKNOWN	et
basque-test	UNKNOWN	eu
persian	UNKNOWN	fa
persian-pinglish	UNKNOWN	fa-pin
finnish	MALE	fi
french-Belgium	MALE	fr-be
french	MALE	fr-fr
irish-gaeilge	UNKNOWN	ga
scottish-gaelic-test	UNKNOWN	gd
greek-ancient	MALE	grc
gujarati-test	UNKNOWN	gu
hindi	MALE	hi
croatian	MALE	hr
hungarian	MALE	hu
armenian	MALE	hy
armenian-west	MALE	hy-west

indonesian	MALE	id
icelandic	MALE	is
italian	MALE	it
lojban	UNKNOWN	jbo
georgian	UNKNOWN	ka
greenlandic	UNKNOWN	kl
kannada	UNKNOWN	kn
korean-test	MALE	ko
kurdish	MALE	ku
latin	MALE	la
lingua_franca_nova	MALE	lfn
lithuanian	MALE	lt
latvian	MALE	lv
macedonian	MALE	mk
malayalam	MALE	ml
malay	MALE	ms
nahuatl-classical	MALE	nci
nepali	MALE	ne
dutch	MALE	nl
norwegian	MALE	no
oriya-test	UNKNOWN	or
punjabi	UNKNOWN	pa
papiamento-test	UNKNOWN	pap
polish	MALE	pl
brazil	MALE	pt-br
portugal	MALE	pt-pt
romanian	MALE	ro
russian	MALE	ru
sinhala-test	UNKNOWN	si
slovak	MALE	sk
slovenian-test	UNKNOWN	sl
serbian	MALE	sr
swedish	MALE	sv
swahili-test	MALE	sw
tamil	MALE	ta
telugu-test	UNKNOWN	te
turkish	MALE	tr
urdu-test	UNKNOWN	ur
vietnam	MALE	vi
vietnam_hue	MALE	vi-hue
vietnam_sgn	MALE	vi-sgn
Mandarin	MALE	zh
cantonese	MALE	zh-yue

17.1.8.   AWS Polly

Tested: 30.09.2023

Number of voices: 91

Name	Gender	Language
Zeina	FEMALE	ar
Hala	FEMALE	ar-AE
Arlet	FEMALE	ca-ES
Zhiyu	FEMALE	cmn-CN
Gwyneth	FEMALE	cy-GB
Mads	MALE	da-DK
Naja	FEMALE	da-DK
Sofie	FEMALE	da-DK
Hannah	FEMALE	de-AT
Daniel	MALE	de-DE
Hans	MALE	de-DE
Marlene	FEMALE	de-DE
Vicki	FEMALE	de-DE
Nicole	FEMALE	en-AU
Olivia	FEMALE	en-AU
Russell	MALE	en-AU
Amy	FEMALE	en-GB
Arthur	MALE	en-GB
Brian	MALE	en-GB
Emma	FEMALE	en-GB
Geraint	MALE	en-GB-WLS
Niamh	FEMALE	en-IE
Aditi	FEMALE	en-IN
Kajal	FEMALE	en-IN
Raveena	FEMALE	en-IN
Aria	FEMALE	en-NZ
Ivy	FEMALE	en-US
Joanna	FEMALE	en-US
Joey	MALE	en-US
Justin	MALE	en-US
Kendra	FEMALE	en-US
Kevin	MALE	en-US
Kimberly	FEMALE	en-US
Matthew	MALE	en-US
Ruth	FEMALE	en-US
Salli	FEMALE	en-US
Stephen	MALE	en-US
Ayanda	FEMALE	en-ZA
Conchita	FEMALE	es-ES

Enrique	MALE	es-ES
Lucia	FEMALE	es-ES
Sergio	MALE	es-ES
Andres	MALE	es-MX
Mia	FEMALE	es-MX
Lupe	FEMALE	es-US
Miguel	MALE	es-US
Pedro	MALE	es-US
Penelope	FEMALE	es-US
Suvi	FEMALE	fi-FI
Chantal	FEMALE	fr-CA
Gabrielle	FEMALE	fr-CA
Liam	MALE	fr-CA
Celine	FEMALE	fr-FR
Lea	FEMALE	fr-FR
Mathieu	MALE	fr-FR
Remi	MALE	fr-FR
Dora	FEMALE	is-IS
Karl	MALE	is-IS
Adriano	MALE	it-IT
Bianca	FEMALE	it-IT
Carla	FEMALE	it-IT
Giorgio	MALE	it-IT
Kazuha	FEMALE	ja-JP
Mizuki	FEMALE	ja-JP
Takumi	MALE	ja-JP
Tomoko	FEMALE	ja-JP
Seoyeon	FEMALE	ko-KR
Ida	FEMALE	nb-NO
Liv	FEMALE	nb-NO
Lisa	FEMALE	nl-BE
Laura	FEMALE	nl-NL
Lotte	FEMALE	nl-NL
Ruben	MALE	nl-NL
Ewa	FEMALE	pl-PL
Jacek	MALE	pl-PL
Jan	MALE	pl-PL
Maja	FEMALE	pl-PL
Ola	FEMALE	pl-PL
Camila	FEMALE	pt-BR
Ricardo	MALE	pt-BR
Thiago	MALE	pt-BR
Vitoria	FEMALE	pt-BR
Cristiano	MALE	pt-PT
Ines	FEMALE	pt-PT
Carmen	FEMALE	ro-RO
Maxim	MALE	ru-RU

Tatyana	FEMALE	ru-RU
Astrid	FEMALE	sv-SE
Elin	FEMALE	sv-SE
Filiz	FEMALE	tr-TR
Hiujin	FEMALE	yue-CN

17.1.9.   Klattersynth

Unlimited variations of voices can be created.

17.1.10.   SAPI Unity

Has the same voices as in chapter 17.1.1.

17.1.11. WebGL Speech Synthesis

Google Chrome 81.0.4044.122 (tested: 28.04.2020)

Number of voices: 17

Name	Gender	Language
Google UK English Female	FEMALE	en-GB
Google UK English Male	MALE	en-GB
Google US English	UNKNOWN	en-US
Google español	UNKNOWN	es-ES
Google español de Estados Unidos	UNKNOWN	es-US
Google français	UNKNOWN	fr-FR
Google हिन्दी	UNKNOWN	hi-IN
Google italiano	UNKNOWN	it-IT
Google 日本語	UNKNOWN	ja-JP
Google 한국의	UNKNOWN	ko-KR
Google Nederlands	UNKNOWN	nl-NL
Google polski	UNKNOWN	pl-PL
Google português do Brasil	UNKNOWN	pt-BR
Google русский	UNKNOWN	ru-RU
Google 普通话（中国大陆）	UNKNOWN	zh-CN
Google 粵語（香港）	UNKNOWN	zh-HK
Google 國語（臺灣）	UNKNOWN	zh-TW

17.1.12.   Azure

Tested: 17.09.2021

Number of voices: 260

Name	Gender	Language
Hoda	FEMALE	ar-EG
SalmaNeural	FEMALE	ar-EG
ShakirNeural	MALE	ar-EG
HamedNeural	MALE	ar-SA
Naayf	MALE	ar-SA
ZariyahNeural	FEMALE	ar-SA
BorislavNeural	MALE	bg-BG
Ivan	MALE	bg-BG
KalinaNeural	FEMALE	bg-BG
AlbaNeural	FEMALE	ca-ES
EnricNeural	MALE	ca-ES
HerenaRUS	FEMALE	ca-ES
JoanaNeural	FEMALE	ca-ES
AntoninNeural	MALE	cs-CZ
Jakub	MALE	cs-CZ
VlastaNeural	FEMALE	cs-CZ
AledNeural	MALE	cy-GB
NiaNeural	FEMALE	cy-GB
ChristelNeural	FEMALE	da-DK
HelleRUS	FEMALE	da-DK
JeppeNeural	MALE	da-DK
IngridNeural	FEMALE	de-AT
JonasNeural	MALE	de-AT
Michael	MALE	de-AT
JanNeural	MALE	de-CH
Karsten	MALE	de-CH
LeniNeural	FEMALE	de-CH
ConradNeural	MALE	de-DE
Hedda	FEMALE	de-DE
HeddaRUS	FEMALE	de-DE
KatjaNeural	FEMALE	de-DE
Stefan-Apollo	MALE	de-DE
AthinaNeural	FEMALE	el-GR
NestorasNeural	MALE	el-GR
Stefanos	MALE	el-GR
Catherine	FEMALE	en-AU
HayleyRUS	FEMALE	en-AU
NatashaNeural	FEMALE	en-AU
WilliamNeural	MALE	en-AU
ClaraNeural	FEMALE	en-CA

HeatherRUS	FEMALE	en-CA
LiamNeural	MALE	en-CA
Linda	FEMALE	en-CA
George-Apollo	MALE	en-GB
HazelRUS	FEMALE	en-GB
LibbyNeural	FEMALE	en-GB
RyanNeural	MALE	en-GB
SoniaNeural	FEMALE	en-GB
Susan-Apollo	FEMALE	en-GB
SamNeural	MALE	en-HK
YanNeural	FEMALE	en-HK
ConnorNeural	MALE	en-IE
EmilyNeural	FEMALE	en-IE
Sean	MALE	en-IE
Heera-Apollo	FEMALE	en-IN
NeerjaNeural	FEMALE	en-IN
PrabhatNeural	MALE	en-IN
PriyaRUS	FEMALE	en-IN
Ravi-Apollo	MALE	en-IN
MitchellNeural	MALE	en-NZ
MollyNeural	FEMALE	en-NZ
JamesNeural	MALE	en-PH
RosaNeural	FEMALE	en-PH
LunaNeural	FEMALE	en-SG
WayneNeural	MALE	en-SG
AmberNeural	FEMALE	en-US
AnaNeural	FEMALE	en-US
AriaNeural	FEMALE	en-US
AshleyNeural	FEMALE	en-US
BenjaminRUS	MALE	en-US
BrandonNeural	MALE	en-US
ChristopherNeural	MALE	en-US
CoraNeural	FEMALE	en-US
ElizabethNeural	FEMALE	en-US
EricNeural	MALE	en-US
Guy24kRUS	MALE	en-US
GuyNeural	MALE	en-US
JacobNeural	MALE	en-US
JennyMultilingualNeural	FEMALE	en-US
JennyNeural	FEMALE	en-US
Jessa24kRUS	FEMALE	en-US
JessaRUS	FEMALE	en-US
MichelleNeural	FEMALE	en-US
MonicaNeural	FEMALE	en-US
SaraNeural	FEMALE	en-US
ZiraRUS	FEMALE	en-US
LeahNeural	FEMALE	en-ZA

LukeNeural	MALE	en-ZA
ElenaNeural	FEMALE	es-AR
TomasNeural	MALE	es-AR
GonzaloNeural	MALE	es-CO
SalomeNeural	FEMALE	es-CO
AlvaroNeural	MALE	es-ES
ElviraNeural	FEMALE	es-ES
HelenaRUS	FEMALE	es-ES
Laura-Apollo	FEMALE	es-ES
Pablo-Apollo	MALE	es-ES
DaliaNeural	FEMALE	es-MX
HildaRUS	FEMALE	es-MX
JorgeNeural	MALE	es-MX
Raul-Apollo	MALE	es-MX
AlonsoNeural	MALE	es-US
PalomaNeural	FEMALE	es-US
AnuNeural	FEMALE	et-EE
KertNeural	MALE	et-EE
HarriNeural	MALE	fi-FI
HeidiRUS	FEMALE	fi-FI
NooraNeural	FEMALE	fi-FI
SelmaNeural	FEMALE	fi-FI
CharlineNeural	FEMALE	fr-BE
GerardNeural	MALE	fr-BE
AntoineNeural	MALE	fr-CA
Caroline	FEMALE	fr-CA
HarmonieRUS	FEMALE	fr-CA
JeanNeural	MALE	fr-CA
SylvieNeural	FEMALE	fr-CA
ArianeNeural	FEMALE	fr-CH
FabriceNeural	MALE	fr-CH
Guillaume	MALE	fr-CH
DeniseNeural	FEMALE	fr-FR
HenriNeural	MALE	fr-FR
HortenseRUS	FEMALE	fr-FR
Julie-Apollo	FEMALE	fr-FR
Paul-Apollo	MALE	fr-FR
ColmNeural	MALE	ga-IE
OrlaNeural	FEMALE	ga-IE
DhwaniNeural	FEMALE	gu-IN
NiranjanNeural	MALE	gu-IN
Asaf	MALE	he-IL
AvriNeural	MALE	he-IL
HilaNeural	FEMALE	he-IL
Hemant	MALE	hi-IN
Kalpana	FEMALE	hi-IN
Kalpana-Apollo	FEMALE	hi-IN

MadhurNeural	MALE	hi-IN
SwaraNeural	FEMALE	hi-IN
GabrijelaNeural	FEMALE	hr-HR
Matej	MALE	hr-HR
SreckoNeural	MALE	hr-HR
NoemiNeural	FEMALE	hu-HU
Szabolcs	MALE	hu-HU
TamasNeural	MALE	hu-HU
Andika	MALE	id-ID
ArdiNeural	MALE	id-ID
GadisNeural	FEMALE	id-ID
Cosimo-Apollo	MALE	it-IT
DiegoNeural	MALE	it-IT
ElsaNeural	FEMALE	it-IT
IsabellaNeural	FEMALE	it-IT
LuciaRUS	FEMALE	it-IT
Ayumi-Apollo	FEMALE	ja-JP
HarukaRUS	FEMALE	ja-JP
Ichiro-Apollo	MALE	ja-JP
KeitaNeural	MALE	ja-JP
NanamiNeural	FEMALE	ja-JP
HeamiRUS	FEMALE	ko-KR
InJoonNeural	MALE	ko-KR
SunHiNeural	FEMALE	ko-KR
LeonasNeural	MALE	lt-LT
OnaNeural	FEMALE	lt-LT
EveritaNeural	FEMALE	lv-LV
NilsNeural	MALE	lv-LV
AarohiNeural	FEMALE	mr-IN
ManoharNeural	MALE	mr-IN
OsmanNeural	MALE	ms-MY
Rizwan	MALE	ms-MY
YasminNeural	FEMALE	ms-MY
GraceNeural	FEMALE	mt-MT
JosephNeural	MALE	mt-MT
FinnNeural	MALE	nb-NO
HuldaRUS	FEMALE	nb-NO
IselinNeural	FEMALE	nb-NO
PernilleNeural	FEMALE	nb-NO
ArnaudNeural	MALE	nl-BE
DenaNeural	FEMALE	nl-BE
ColetteNeural	FEMALE	nl-NL
FennaNeural	FEMALE	nl-NL
HannaRUS	FEMALE	nl-NL
MaartenNeural	MALE	nl-NL
AgnieszkaNeural	FEMALE	pl-PL
MarekNeural	MALE	pl-PL

PaulinaRUS	FEMALE	pl-PL
ZofiaNeural	FEMALE	pl-PL
AntonioNeural	MALE	pt-BR
Daniel-Apollo	MALE	pt-BR
FranciscaNeural	FEMALE	pt-BR
HeloisaRUS	FEMALE	pt-BR
DuarteNeural	MALE	pt-PT
FernandaNeural	FEMALE	pt-PT
HeliaRUS	FEMALE	pt-PT
RaquelNeural	FEMALE	pt-PT
AlinaNeural	FEMALE	ro-RO
Andrei	MALE	ro-RO
EmilNeural	MALE	ro-RO
DariyaNeural	FEMALE	ru-RU
DmitryNeural	MALE	ru-RU
EkaterinaRUS	FEMALE	ru-RU
Irina-Apollo	FEMALE	ru-RU
Pavel-Apollo	MALE	ru-RU
SvetlanaNeural	FEMALE	ru-RU
Filip	MALE	sk-SK
LukasNeural	MALE	sk-SK
ViktoriaNeural	FEMALE	sk-SK
Lado	MALE	sl-SI
PetraNeural	FEMALE	sl-SI
RokNeural	MALE	sl-SI
HedvigRUS	FEMALE	sv-SE
HilleviNeural	FEMALE	sv-SE
MattiasNeural	MALE	sv-SE
SofieNeural	FEMALE	sv-SE
RafikiNeural	MALE	sw-KE
ZuriNeural	FEMALE	sw-KE
PallaviNeural	FEMALE	ta-IN
Valluvar	MALE	ta-IN
ValluvarNeural	MALE	ta-IN
Chitra	FEMALE	te-IN
MohanNeural	MALE	te-IN
ShrutiNeural	FEMALE	te-IN
AcharaNeural	FEMALE	th-TH
NiwatNeural	MALE	th-TH
Pattara	MALE	th-TH
PremwadeeNeural	FEMALE	th-TH
AhmetNeural	MALE	tr-TR
EmelNeural	FEMALE	tr-TR
SedaRUS	FEMALE	tr-TR
OstapNeural	MALE	uk-UA
PolinaNeural	FEMALE	uk-UA
AsadNeural	MALE	ur-PK

UzmaNeural	FEMALE	ur-PK
An	MALE	vi-VN
HoaiMyNeural	FEMALE	vi-VN
NamMinhNeural	MALE	vi-VN
HuihuiRUS	FEMALE	zh-CN
Kangkang-Apollo	MALE	zh-CN
XiaochenNeural	FEMALE	zh-CN
XiaohanNeural	FEMALE	zh-CN
XiaomoNeural	FEMALE	zh-CN
XiaoqiuNeural	FEMALE	zh-CN
XiaoruiNeural	FEMALE	zh-CN
XiaoshuangNeural	FEMALE	zh-CN
XiaoxiaoNeural	FEMALE	zh-CN
XiaoxuanNeural	FEMALE	zh-CN
XiaoyanNeural	FEMALE	zh-CN
XiaoyouNeural	FEMALE	zh-CN
Yaoyao-Apollo	FEMALE	zh-CN
YunxiNeural	MALE	zh-CN
YunyangNeural	MALE	zh-CN
YunyeNeural	MALE	zh-CN
Danny-Apollo	MALE	zh-HK
HiuGaaiNeural	FEMALE	zh-HK
HiuMaanNeural	FEMALE	zh-HK
Tracy-Apollo	FEMALE	zh-HK
TracyRUS	FEMALE	zh-HK
WanLungNeural	MALE	zh-HK
HanHanRUS	FEMALE	zh-TW
HsiaoChenNeural	FEMALE	zh-TW
HsiaoYuNeural	FEMALE	zh-TW
Yating-Apollo	FEMALE	zh-TW
YunJheNeural	MALE	zh-TW
Zhiwei-Apollo	MALE	zh-TW

17.1.13.   Google Cloud Speech

Tested: 30.06.2023

Number of voices: 556

Name	Gender	Language
af-ZA-Standard-A	FEMALE	af-ZA
af-ZA-Standard-A	FEMALE	af-ZA
ar-XA-Standard-A	FEMALE	ar-XA
ar-XA-Standard-A	FEMALE	ar-XA
ar-XA-Standard-B	MALE	ar-XA
ar-XA-Standard-B	MALE	ar-XA
ar-XA-Standard-C	MALE	ar-XA
ar-XA-Standard-C	MALE	ar-XA
ar-XA-Standard-D	FEMALE	ar-XA
ar-XA-Standard-D	FEMALE	ar-XA
ar-XA-Wavenet-A	FEMALE	ar-XA
ar-XA-Wavenet-B	MALE	ar-XA
ar-XA-Wavenet-C	MALE	ar-XA
ar-XA-Wavenet-D	FEMALE	ar-XA
bg-BG-Standard-A	FEMALE	bg-BG
bg-BG-Standard-A	FEMALE	bg-BG
bn-IN-Standard-A	FEMALE	bn-IN
bn-IN-Standard-B	MALE	bn-IN
bn-IN-Wavenet-A	FEMALE	bn-IN
bn-IN-Wavenet-B	MALE	bn-IN
ca-ES-Standard-A	FEMALE	ca-ES
ca-ES-Standard-A	FEMALE	ca-ES
cmn-CN-Standard-A	FEMALE	cmn-CN
cmn-CN-Standard-B	MALE	cmn-CN
cmn-CN-Standard-C	MALE	cmn-CN
cmn-CN-Standard-D	FEMALE	cmn-CN
cmn-CN-Wavenet-A	FEMALE	cmn-CN
cmn-CN-Wavenet-B	MALE	cmn-CN
cmn-CN-Wavenet-C	MALE	cmn-CN
cmn-CN-Wavenet-D	FEMALE	cmn-CN
cmn-TW-Standard-A	FEMALE	cmn-TW
cmn-TW-Standard-B	MALE	cmn-TW
cmn-TW-Standard-C	MALE	cmn-TW
cmn-TW-Wavenet-A	FEMALE	cmn-TW
cmn-TW-Wavenet-B	MALE	cmn-TW
cmn-TW-Wavenet-C	MALE	cmn-TW
cs-CZ-Standard-A	FEMALE	cs-CZ
cs-CZ-Standard-A	FEMALE	cs-CZ
cs-CZ-Wavenet-A	FEMALE	cs-CZ
da-DK-Neural2-D	FEMALE	da-DK

da-DK-Neural2-F	MALE	da-DK
da-DK-Standard-A	FEMALE	da-DK
da-DK-Standard-A	FEMALE	da-DK
da-DK-Standard-C	MALE	da-DK
da-DK-Standard-C	MALE	da-DK
da-DK-Standard-D	FEMALE	da-DK
da-DK-Standard-D	FEMALE	da-DK
da-DK-Standard-E	FEMALE	da-DK
da-DK-Standard-E	FEMALE	da-DK
da-DK-Wavenet-A	FEMALE	da-DK
da-DK-Wavenet-C	MALE	da-DK
da-DK-Wavenet-D	FEMALE	da-DK
da-DK-Wavenet-E	FEMALE	da-DK
de-DE-Neural2-B	MALE	de-DE
de-DE-Neural2-C	FEMALE	de-DE
de-DE-Neural2-D	MALE	de-DE
de-DE-Neural2-F	FEMALE	de-DE
de-DE-Polyglot-1	MALE	de-DE
de-DE-Standard-A	FEMALE	de-DE
de-DE-Standard-A	FEMALE	de-DE
de-DE-Standard-B	MALE	de-DE
de-DE-Standard-B	MALE	de-DE
de-DE-Standard-C	FEMALE	de-DE
de-DE-Standard-C	FEMALE	de-DE
de-DE-Standard-D	MALE	de-DE
de-DE-Standard-D	MALE	de-DE
de-DE-Standard-E	MALE	de-DE
de-DE-Standard-E	MALE	de-DE
de-DE-Standard-F	FEMALE	de-DE
de-DE-Standard-F	FEMALE	de-DE
de-DE-Wavenet-A	FEMALE	de-DE
de-DE-Wavenet-B	MALE	de-DE
de-DE-Wavenet-C	FEMALE	de-DE
de-DE-Wavenet-D	MALE	de-DE
de-DE-Wavenet-E	MALE	de-DE
de-DE-Wavenet-F	FEMALE	de-DE
el-GR-Standard-A	FEMALE	el-GR
el-GR-Standard-A	FEMALE	el-GR
el-GR-Wavenet-A	FEMALE	el-GR
en-AU-Neural2-A	FEMALE	en-AU
en-AU-Neural2-B	MALE	en-AU
en-AU-Neural2-C	FEMALE	en-AU
en-AU-Neural2-D	MALE	en-AU
en-AU-News-E	FEMALE	en-AU
en-AU-News-F	FEMALE	en-AU
en-AU-News-G	MALE	en-AU
en-AU-Polyglot-1	MALE	en-AU

en-AU-Standard-A	FEMALE	en-AU
en-AU-Standard-A	FEMALE	en-AU
en-AU-Standard-B	MALE	en-AU
en-AU-Standard-B	MALE	en-AU
en-AU-Standard-C	FEMALE	en-AU
en-AU-Standard-C	FEMALE	en-AU
en-AU-Standard-D	MALE	en-AU
en-AU-Standard-D	MALE	en-AU
en-AU-Wavenet-A	FEMALE	en-AU
en-AU-Wavenet-B	MALE	en-AU
en-AU-Wavenet-C	FEMALE	en-AU
en-AU-Wavenet-D	MALE	en-AU
en-GB-Neural2-A	FEMALE	en-GB
en-GB-Neural2-B	MALE	en-GB
en-GB-Neural2-C	FEMALE	en-GB
en-GB-Neural2-D	MALE	en-GB
en-GB-Neural2-F	FEMALE	en-GB
en-GB-News-G	FEMALE	en-GB
en-GB-News-H	FEMALE	en-GB
en-GB-News-I	FEMALE	en-GB
en-GB-News-J	MALE	en-GB
en-GB-News-K	MALE	en-GB
en-GB-News-L	MALE	en-GB
en-GB-News-M	MALE	en-GB
en-GB-Standard-A	FEMALE	en-GB
en-GB-Standard-A	FEMALE	en-GB
en-GB-Standard-B	MALE	en-GB
en-GB-Standard-B	MALE	en-GB
en-GB-Standard-C	FEMALE	en-GB
en-GB-Standard-C	FEMALE	en-GB
en-GB-Standard-D	MALE	en-GB
en-GB-Standard-D	MALE	en-GB
en-GB-Standard-F	FEMALE	en-GB
en-GB-Standard-F	FEMALE	en-GB
en-GB-Wavenet-A	FEMALE	en-GB
en-GB-Wavenet-B	MALE	en-GB
en-GB-Wavenet-C	FEMALE	en-GB
en-GB-Wavenet-D	MALE	en-GB
en-GB-Wavenet-F	FEMALE	en-GB
en-IN-Standard-A	FEMALE	en-IN
en-IN-Standard-A	FEMALE	en-IN
en-IN-Standard-B	MALE	en-IN
en-IN-Standard-B	MALE	en-IN
en-IN-Standard-C	MALE	en-IN
en-IN-Standard-C	MALE	en-IN
en-IN-Standard-D	FEMALE	en-IN
en-IN-Standard-D	FEMALE	en-IN

en-IN-Wavenet-A	FEMALE	en-IN
en-IN-Wavenet-B	MALE	en-IN
en-IN-Wavenet-C	MALE	en-IN
en-IN-Wavenet-D	FEMALE	en-IN
en-US-Neural2-A	MALE	en-US
en-US-Neural2-C	FEMALE	en-US
en-US-Neural2-D	MALE	en-US
en-US-Neural2-E	FEMALE	en-US
en-US-Neural2-F	FEMALE	en-US
en-US-Neural2-G	FEMALE	en-US
en-US-Neural2-H	FEMALE	en-US
en-US-Neural2-I	MALE	en-US
en-US-Neural2-J	MALE	en-US
en-US-News-K	FEMALE	en-US
en-US-News-L	FEMALE	en-US
en-US-News-M	MALE	en-US
en-US-News-N	MALE	en-US
en-US-Polyglot-1	MALE	en-US
en-US-Standard-A	MALE	en-US
en-US-Standard-A	MALE	en-US
en-US-Standard-B	MALE	en-US
en-US-Standard-B	MALE	en-US
en-US-Standard-C	FEMALE	en-US
en-US-Standard-C	FEMALE	en-US
en-US-Standard-D	MALE	en-US
en-US-Standard-D	MALE	en-US
en-US-Standard-E	FEMALE	en-US
en-US-Standard-E	FEMALE	en-US
en-US-Standard-F	FEMALE	en-US
en-US-Standard-F	FEMALE	en-US
en-US-Standard-G	FEMALE	en-US
en-US-Standard-G	FEMALE	en-US
en-US-Standard-H	FEMALE	en-US
en-US-Standard-H	FEMALE	en-US
en-US-Standard-I	MALE	en-US
en-US-Standard-I	MALE	en-US
en-US-Standard-J	MALE	en-US
en-US-Standard-J	MALE	en-US
en-US-Studio-M	MALE	en-US
en-US-Studio-O	FEMALE	en-US
en-US-Wavenet-A	MALE	en-US
en-US-Wavenet-B	MALE	en-US
en-US-Wavenet-C	FEMALE	en-US
en-US-Wavenet-D	MALE	en-US
en-US-Wavenet-E	FEMALE	en-US
en-US-Wavenet-F	FEMALE	en-US
en-US-Wavenet-G	FEMALE	en-US

en-US-Wavenet-H	FEMALE	en-US
en-US-Wavenet-I	MALE	en-US
en-US-Wavenet-J	MALE	en-US
es-ES-Neural2-A	FEMALE	es-ES
es-ES-Neural2-B	MALE	es-ES
es-ES-Neural2-C	FEMALE	es-ES
es-ES-Neural2-D	FEMALE	es-ES
es-ES-Neural2-E	FEMALE	es-ES
es-ES-Neural2-F	MALE	es-ES
es-ES-Polyglot-1	MALE	es-ES
es-ES-Standard-A	FEMALE	es-ES
es-ES-Standard-A	FEMALE	es-ES
es-ES-Standard-B	MALE	es-ES
es-ES-Standard-B	MALE	es-ES
es-ES-Standard-C	FEMALE	es-ES
es-ES-Standard-D	FEMALE	es-ES
es-ES-Standard-D	FEMALE	es-ES
es-ES-Wavenet-B	MALE	es-ES
es-ES-Wavenet-C	FEMALE	es-ES
es-ES-Wavenet-D	FEMALE	es-ES
es-US-Neural2-A	FEMALE	es-US
es-US-Neural2-B	MALE	es-US
es-US-Neural2-C	MALE	es-US
es-US-News-D	MALE	es-US
es-US-News-E	MALE	es-US
es-US-News-F	FEMALE	es-US
es-US-News-G	FEMALE	es-US
es-US-Polyglot-1	MALE	es-US
es-US-Standard-A	FEMALE	es-US
es-US-Standard-B	MALE	es-US
es-US-Standard-C	MALE	es-US
es-US-Studio-B	MALE	es-US
es-US-Wavenet-A	FEMALE	es-US
es-US-Wavenet-B	MALE	es-US
es-US-Wavenet-C	MALE	es-US
eu-ES-Standard-A	FEMALE	eu-ES
fi-FI-Standard-A	FEMALE	fi-FI
fi-FI-Standard-A	FEMALE	fi-FI
fi-FI-Wavenet-A	FEMALE	fi-FI
fil-ph-Neural2-A	FEMALE	fil-PH
fil-ph-Neural2-D	MALE	fil-PH
fil-PH-Standard-A	FEMALE	fil-PH
fil-PH-Standard-A	FEMALE	fil-PH
fil-PH-Standard-B	FEMALE	fil-PH
fil-PH-Standard-B	FEMALE	fil-PH
fil-PH-Standard-C	MALE	fil-PH
fil-PH-Standard-C	MALE	fil-PH

fil-PH-Standard-D	MALE	fil-PH
fil-PH-Standard-D	MALE	fil-PH
fil-PH-Wavenet-A	FEMALE	fil-PH
fil-PH-Wavenet-B	FEMALE	fil-PH
fil-PH-Wavenet-C	MALE	fil-PH
fil-PH-Wavenet-D	MALE	fil-PH
fr-CA-Neural2-A	FEMALE	fr-CA
fr-CA-Neural2-B	MALE	fr-CA
fr-CA-Neural2-C	FEMALE	fr-CA
fr-CA-Neural2-D	MALE	fr-CA
fr-CA-Standard-A	FEMALE	fr-CA
fr-CA-Standard-A	FEMALE	fr-CA
fr-CA-Standard-B	MALE	fr-CA
fr-CA-Standard-B	MALE	fr-CA
fr-CA-Standard-C	FEMALE	fr-CA
fr-CA-Standard-C	FEMALE	fr-CA
fr-CA-Standard-D	MALE	fr-CA
fr-CA-Standard-D	MALE	fr-CA
fr-CA-Wavenet-A	FEMALE	fr-CA
fr-CA-Wavenet-B	MALE	fr-CA
fr-CA-Wavenet-C	FEMALE	fr-CA
fr-CA-Wavenet-D	MALE	fr-CA
fr-FR-Neural2-A	FEMALE	fr-FR
fr-FR-Neural2-B	MALE	fr-FR
fr-FR-Neural2-C	FEMALE	fr-FR
fr-FR-Neural2-D	MALE	fr-FR
fr-FR-Neural2-E	FEMALE	fr-FR
fr-FR-Polyglot-1	MALE	fr-FR
fr-FR-Standard-A	FEMALE	fr-FR
fr-FR-Standard-A	FEMALE	fr-FR
fr-FR-Standard-B	MALE	fr-FR
fr-FR-Standard-B	MALE	fr-FR
fr-FR-Standard-C	FEMALE	fr-FR
fr-FR-Standard-C	FEMALE	fr-FR
fr-FR-Standard-D	MALE	fr-FR
fr-FR-Standard-D	MALE	fr-FR
fr-FR-Standard-E	FEMALE	fr-FR
fr-FR-Standard-E	FEMALE	fr-FR
fr-FR-Wavenet-A	FEMALE	fr-FR
fr-FR-Wavenet-B	MALE	fr-FR
fr-FR-Wavenet-C	FEMALE	fr-FR
fr-FR-Wavenet-D	MALE	fr-FR
fr-FR-Wavenet-E	FEMALE	fr-FR
gl-ES-Standard-A	FEMALE	gl-ES
gu-IN-Standard-A	FEMALE	gu-IN
gu-IN-Standard-B	MALE	gu-IN
gu-IN-Wavenet-A	FEMALE	gu-IN

gu-IN-Wavenet-B	MALE	gu-IN
he-IL-Standard-A	FEMALE	he-IL
he-IL-Standard-A	FEMALE	he-IL
he-IL-Standard-B	MALE	he-IL
he-IL-Standard-B	MALE	he-IL
he-IL-Standard-C	FEMALE	he-IL
he-IL-Standard-C	FEMALE	he-IL
he-IL-Standard-D	MALE	he-IL
he-IL-Standard-D	MALE	he-IL
he-IL-Wavenet-A	FEMALE	he-IL
he-IL-Wavenet-B	MALE	he-IL
he-IL-Wavenet-C	FEMALE	he-IL
he-IL-Wavenet-D	MALE	he-IL
hi-IN-Neural2-A	FEMALE	hi-IN
hi-IN-Neural2-B	MALE	hi-IN
hi-IN-Neural2-C	MALE	hi-IN
hi-IN-Neural2-D	FEMALE	hi-IN
hi-IN-Standard-A	FEMALE	hi-IN
hi-IN-Standard-A	FEMALE	hi-IN
hi-IN-Standard-B	MALE	hi-IN
hi-IN-Standard-B	MALE	hi-IN
hi-IN-Standard-C	MALE	hi-IN
hi-IN-Standard-C	MALE	hi-IN
hi-IN-Standard-D	FEMALE	hi-IN
hi-IN-Standard-D	FEMALE	hi-IN
hi-IN-Wavenet-A	FEMALE	hi-IN
hi-IN-Wavenet-B	MALE	hi-IN
hi-IN-Wavenet-C	MALE	hi-IN
hi-IN-Wavenet-D	FEMALE	hi-IN
hu-HU-Standard-A	FEMALE	hu-HU
hu-HU-Standard-A	FEMALE	hu-HU
hu-HU-Wavenet-A	FEMALE	hu-HU
id-ID-Standard-A	FEMALE	id-ID
id-ID-Standard-A	FEMALE	id-ID
id-ID-Standard-B	MALE	id-ID
id-ID-Standard-B	MALE	id-ID
id-ID-Standard-C	MALE	id-ID
id-ID-Standard-C	MALE	id-ID
id-ID-Standard-D	FEMALE	id-ID
id-ID-Standard-D	FEMALE	id-ID
id-ID-Wavenet-A	FEMALE	id-ID
id-ID-Wavenet-B	MALE	id-ID
id-ID-Wavenet-C	MALE	id-ID
id-ID-Wavenet-D	FEMALE	id-ID
is-IS-Standard-A	FEMALE	is-IS
is-IS-Standard-A	FEMALE	is-IS
it-IT-Neural2-A	FEMALE	it-IT

it-IT-Neural2-C	MALE	it-IT
it-IT-Standard-A	FEMALE	it-IT
it-IT-Standard-A	FEMALE	it-IT
it-IT-Standard-B	FEMALE	it-IT
it-IT-Standard-B	FEMALE	it-IT
it-IT-Standard-C	MALE	it-IT
it-IT-Standard-C	MALE	it-IT
it-IT-Standard-D	MALE	it-IT
it-IT-Standard-D	MALE	it-IT
it-IT-Wavenet-A	FEMALE	it-IT
it-IT-Wavenet-B	FEMALE	it-IT
it-IT-Wavenet-C	MALE	it-IT
it-IT-Wavenet-D	MALE	it-IT
ja-JP-Neural2-B	FEMALE	ja-JP
ja-JP-Neural2-C	MALE	ja-JP
ja-JP-Neural2-D	MALE	ja-JP
ja-JP-Standard-A	FEMALE	ja-JP
ja-JP-Standard-B	FEMALE	ja-JP
ja-JP-Standard-C	MALE	ja-JP
ja-JP-Standard-D	MALE	ja-JP
ja-JP-Wavenet-A	FEMALE	ja-JP
ja-JP-Wavenet-B	FEMALE	ja-JP
ja-JP-Wavenet-C	MALE	ja-JP
ja-JP-Wavenet-D	MALE	ja-JP
kn-IN-Standard-A	FEMALE	kn-IN
kn-IN-Standard-B	MALE	kn-IN
kn-IN-Wavenet-A	FEMALE	kn-IN
kn-IN-Wavenet-B	MALE	kn-IN
ko-KR-Neural2-A	FEMALE	ko-KR
ko-KR-Neural2-B	FEMALE	ko-KR
ko-KR-Neural2-C	MALE	ko-KR
ko-KR-Standard-A	FEMALE	ko-KR
ko-KR-Standard-A	FEMALE	ko-KR
ko-KR-Standard-B	FEMALE	ko-KR
ko-KR-Standard-B	FEMALE	ko-KR
ko-KR-Standard-C	MALE	ko-KR
ko-KR-Standard-C	MALE	ko-KR
ko-KR-Standard-D	MALE	ko-KR
ko-KR-Standard-D	MALE	ko-KR
ko-KR-Wavenet-A	FEMALE	ko-KR
ko-KR-Wavenet-B	FEMALE	ko-KR
ko-KR-Wavenet-C	MALE	ko-KR
ko-KR-Wavenet-D	MALE	ko-KR
lt-LT-Standard-A	MALE	lt-LT
lt-LT-Standard-A	MALE	lt-LT
lv-LV-Standard-A	MALE	lv-LV
lv-LV-Standard-A	MALE	lv-LV

ml-IN-Standard-A	FEMALE	ml-IN
ml-IN-Standard-B	MALE	ml-IN
ml-IN-Wavenet-A	FEMALE	ml-IN
ml-IN-Wavenet-B	MALE	ml-IN
ml-IN-Wavenet-C	FEMALE	ml-IN
ml-IN-Wavenet-D	MALE	ml-IN
mr-IN-Standard-A	FEMALE	mr-IN
mr-IN-Standard-B	MALE	mr-IN
mr-IN-Standard-C	FEMALE	mr-IN
mr-IN-Wavenet-A	FEMALE	mr-IN
mr-IN-Wavenet-B	MALE	mr-IN
mr-IN-Wavenet-C	FEMALE	mr-IN
ms-MY-Standard-A	FEMALE	ms-MY
ms-MY-Standard-A	FEMALE	ms-MY
ms-MY-Standard-B	MALE	ms-MY
ms-MY-Standard-B	MALE	ms-MY
ms-MY-Standard-C	FEMALE	ms-MY
ms-MY-Standard-C	FEMALE	ms-MY
ms-MY-Standard-D	MALE	ms-MY
ms-MY-Standard-D	MALE	ms-MY
ms-MY-Wavenet-A	FEMALE	ms-MY
ms-MY-Wavenet-B	MALE	ms-MY
ms-MY-Wavenet-C	FEMALE	ms-MY
ms-MY-Wavenet-D	MALE	ms-MY
nb-NO-Standard-A	FEMALE	nb-NO
nb-NO-Standard-A	FEMALE	nb-NO
nb-NO-Standard-B	MALE	nb-NO
nb-NO-Standard-B	MALE	nb-NO
nb-NO-Standard-C	FEMALE	nb-NO
nb-NO-Standard-C	FEMALE	nb-NO
nb-NO-Standard-D	MALE	nb-NO
nb-NO-Standard-D	MALE	nb-NO
nb-NO-Standard-E	FEMALE	nb-NO
nb-NO-Standard-E	FEMALE	nb-NO
nb-NO-Wavenet-A	FEMALE	nb-NO
nb-NO-Wavenet-B	MALE	nb-NO
nb-NO-Wavenet-C	FEMALE	nb-NO
nb-NO-Wavenet-D	MALE	nb-NO
nb-NO-Wavenet-E	FEMALE	nb-NO
nl-BE-Standard-A	FEMALE	nl-BE
nl-BE-Standard-B	MALE	nl-BE
nl-BE-Wavenet-A	FEMALE	nl-BE
nl-BE-Wavenet-B	MALE	nl-BE
nl-NL-Standard-A	FEMALE	nl-NL
nl-NL-Standard-A	FEMALE	nl-NL
nl-NL-Standard-B	MALE	nl-NL
nl-NL-Standard-B	MALE	nl-NL

nl-NL-Standard-C	MALE	nl-NL
nl-NL-Standard-C	MALE	nl-NL
nl-NL-Standard-D	FEMALE	nl-NL
nl-NL-Standard-D	FEMALE	nl-NL
nl-NL-Standard-E	FEMALE	nl-NL
nl-NL-Standard-E	FEMALE	nl-NL
nl-NL-Wavenet-A	FEMALE	nl-NL
nl-NL-Wavenet-B	MALE	nl-NL
nl-NL-Wavenet-C	MALE	nl-NL
nl-NL-Wavenet-D	FEMALE	nl-NL
nl-NL-Wavenet-E	FEMALE	nl-NL
pa-IN-Standard-A	FEMALE	pa-IN
pa-IN-Standard-B	MALE	pa-IN
pa-IN-Standard-C	FEMALE	pa-IN
pa-IN-Standard-D	MALE	pa-IN
pa-IN-Wavenet-A	FEMALE	pa-IN
pa-IN-Wavenet-B	MALE	pa-IN
pa-IN-Wavenet-C	FEMALE	pa-IN
pa-IN-Wavenet-D	MALE	pa-IN
pl-PL-Standard-A	FEMALE	pl-PL
pl-PL-Standard-A	FEMALE	pl-PL
pl-PL-Standard-B	MALE	pl-PL
pl-PL-Standard-B	MALE	pl-PL
pl-PL-Standard-C	MALE	pl-PL
pl-PL-Standard-C	MALE	pl-PL
pl-PL-Standard-D	FEMALE	pl-PL
pl-PL-Standard-D	FEMALE	pl-PL
pl-PL-Standard-E	FEMALE	pl-PL
pl-PL-Standard-E	FEMALE	pl-PL
pl-PL-Wavenet-A	FEMALE	pl-PL
pl-PL-Wavenet-B	MALE	pl-PL
pl-PL-Wavenet-C	MALE	pl-PL
pl-PL-Wavenet-D	FEMALE	pl-PL
pl-PL-Wavenet-E	FEMALE	pl-PL
pt-BR-Neural2-A	FEMALE	pt-BR
pt-BR-Neural2-B	MALE	pt-BR
pt-BR-Neural2-C	FEMALE	pt-BR
pt-BR-Standard-A	FEMALE	pt-BR
pt-BR-Standard-A	FEMALE	pt-BR
pt-BR-Standard-B	MALE	pt-BR
pt-BR-Standard-B	MALE	pt-BR
pt-BR-Standard-C	FEMALE	pt-BR
pt-BR-Standard-C	FEMALE	pt-BR
pt-BR-Wavenet-A	FEMALE	pt-BR
pt-BR-Wavenet-B	MALE	pt-BR
pt-BR-Wavenet-C	FEMALE	pt-BR
pt-PT-Standard-A	FEMALE	pt-PT

pt-PT-Standard-A	FEMALE	pt-PT
pt-PT-Standard-B	MALE	pt-PT
pt-PT-Standard-B	MALE	pt-PT
pt-PT-Standard-C	MALE	pt-PT
pt-PT-Standard-C	MALE	pt-PT
pt-PT-Standard-D	FEMALE	pt-PT
pt-PT-Standard-D	FEMALE	pt-PT
pt-PT-Wavenet-A	FEMALE	pt-PT
pt-PT-Wavenet-B	MALE	pt-PT
pt-PT-Wavenet-C	MALE	pt-PT
pt-PT-Wavenet-D	FEMALE	pt-PT
ro-RO-Standard-A	FEMALE	ro-RO
ro-RO-Standard-A	FEMALE	ro-RO
ro-RO-Wavenet-A	FEMALE	ro-RO
ru-RU-Standard-A	FEMALE	ru-RU
ru-RU-Standard-A	FEMALE	ru-RU
ru-RU-Standard-B	MALE	ru-RU
ru-RU-Standard-B	MALE	ru-RU
ru-RU-Standard-C	FEMALE	ru-RU
ru-RU-Standard-C	FEMALE	ru-RU
ru-RU-Standard-D	MALE	ru-RU
ru-RU-Standard-D	MALE	ru-RU
ru-RU-Standard-E	FEMALE	ru-RU
ru-RU-Standard-E	FEMALE	ru-RU
ru-RU-Wavenet-A	FEMALE	ru-RU
ru-RU-Wavenet-B	MALE	ru-RU
ru-RU-Wavenet-C	FEMALE	ru-RU
ru-RU-Wavenet-D	MALE	ru-RU
ru-RU-Wavenet-E	FEMALE	ru-RU
sk-SK-Standard-A	FEMALE	sk-SK
sk-SK-Standard-A	FEMALE	sk-SK
sk-SK-Wavenet-A	FEMALE	sk-SK
sr-RS-Standard-A	FEMALE	sr-RS
sr-RS-Standard-A	FEMALE	sr-RS
sv-SE-Standard-A	FEMALE	sv-SE
sv-SE-Standard-B	FEMALE	sv-SE
sv-SE-Standard-C	FEMALE	sv-SE
sv-SE-Standard-D	MALE	sv-SE
sv-SE-Standard-E	MALE	sv-SE
sv-SE-Wavenet-A	FEMALE	sv-SE
sv-SE-Wavenet-B	FEMALE	sv-SE
sv-SE-Wavenet-C	MALE	sv-SE
sv-SE-Wavenet-D	FEMALE	sv-SE
sv-SE-Wavenet-E	MALE	sv-SE
ta-IN-Standard-A	FEMALE	ta-IN
ta-IN-Standard-B	MALE	ta-IN
ta-IN-Standard-C	FEMALE	ta-IN

ta-IN-Standard-D	MALE	ta-IN
ta-IN-Wavenet-A	FEMALE	ta-IN
ta-IN-Wavenet-B	MALE	ta-IN
ta-IN-Wavenet-C	FEMALE	ta-IN
ta-IN-Wavenet-D	MALE	ta-IN
te-IN-Standard-A	FEMALE	te-IN
te-IN-Standard-B	MALE	te-IN
th-TH-Neural2-C	FEMALE	th-TH
th-TH-Standard-A	FEMALE	th-TH
th-TH-Standard-A	FEMALE	th-TH
tr-TR-Standard-A	FEMALE	tr-TR
tr-TR-Standard-A	FEMALE	tr-TR
tr-TR-Standard-B	MALE	tr-TR
tr-TR-Standard-B	MALE	tr-TR
tr-TR-Standard-C	FEMALE	tr-TR
tr-TR-Standard-C	FEMALE	tr-TR
tr-TR-Standard-D	FEMALE	tr-TR
tr-TR-Standard-D	FEMALE	tr-TR
tr-TR-Standard-E	MALE	tr-TR
tr-TR-Standard-E	MALE	tr-TR
tr-TR-Wavenet-A	FEMALE	tr-TR
tr-TR-Wavenet-B	MALE	tr-TR
tr-TR-Wavenet-C	FEMALE	tr-TR
tr-TR-Wavenet-D	FEMALE	tr-TR
tr-TR-Wavenet-E	MALE	tr-TR
uk-UA-Standard-A	FEMALE	uk-UA
uk-UA-Standard-A	FEMALE	uk-UA
uk-UA-Wavenet-A	FEMALE	uk-UA
vi-VN-Neural2-A	FEMALE	vi-VN
vi-VN-Neural2-D	MALE	vi-VN
vi-VN-Standard-A	FEMALE	vi-VN
vi-VN-Standard-A	FEMALE	vi-VN
vi-VN-Standard-B	MALE	vi-VN
vi-VN-Standard-B	MALE	vi-VN
vi-VN-Standard-C	FEMALE	vi-VN
vi-VN-Standard-C	FEMALE	vi-VN
vi-VN-Standard-D	MALE	vi-VN
vi-VN-Standard-D	MALE	vi-VN
vi-VN-Wavenet-A	FEMALE	vi-VN
vi-VN-Wavenet-B	MALE	vi-VN
vi-VN-Wavenet-C	FEMALE	vi-VN
vi-VN-Wavenet-D	MALE	vi-VN
yue-HK-Standard-A	FEMALE	yue-HK
yue-HK-Standard-B	MALE	yue-HK
yue-HK-Standard-C	FEMALE	yue-HK
yue-HK-Standard-D	MALE	yue-HK

17.1.14.   Mimic

Tested: 09.11.2023

Number of voices: 40

Name	Gender	Language
apope_low	UNKNOWN	en-UK
bart-de-leeuw_low	UNKNOWN	nl
carlfm_low	UNKNOWN	es-ES
cmu-arctic_low	UNKNOWN	en-US
cmu-indic_low	UNKNOWN	gu-IN
cmu-indic_low	UNKNOWN	te-IN
diana-majlinger_low	FEMALE	hu-HU
flemishguy_low	UNKNOWN	nl
google-gmu_low	UNKNOWN	jv-ID
google-nwu_low	UNKNOWN	af-ZA
google-nwu_low	UNKNOWN	tn-ZA
haaniye_low	UNKNOWN	fa
harri-tapani-ylilammi_low	UNKNOWN	fi-FI
hifi-tts_low	UNKNOWN	en-US
kss_low	UNKNOWN	ko-KO
lanfrica_low	UNKNOWN	sw
ljspeech_low	UNKNOWN	en-US
m-ailabs_low	UNKNOWN	de-DE
m-ailabs_low	UNKNOWN	en-US
m-ailabs_low	UNKNOWN	es-ES
m-ailabs_low	UNKNOWN	fr-FR
m-ailabs_low	UNKNOWN	pl-PL
m-ailabs_low	UNKNOWN	uk-UK
mls_low	UNKNOWN	it-IT
multi_low	UNKNOWN	bn
multi_low	UNKNOWN	ru-RU
nathalie_low	FEMALE	nl
ne-google_low	UNKNOWN	ne-NP
openbible_low	UNKNOWN	ha-NE
openbible_low	UNKNOWN	yo
pmk_low	UNKNOWN	nl
rapunzelina_low	UNKNOWN	el-GR
rdh_low	UNKNOWN	nl
riccardo-fasol_low	UNKNOWN	it-IT
siwis_low	UNKNOWN	fr-FR
thorsten_low	UNKNOWN	de-DE
thorsten-emotion_low	UNKNOWN	de-DE
tom_low	UNKNOWN	fr-FR
vais1000_low	UNKNOWN	vi-VN
vctk_low	UNKNOWN	en-US