

# Voice Reader Studio 22 Command Line Utility



Manual



## Table of Content

1. Foreword.....	2
2. Usecases.....	2
3. Installation .....	2
4. Activation .....	3
5. Using the Command Line Utility.....	3
6. Parameters.....	3
6.1 Necessary parameters: .....	4
6.1.1 voice=<name of the voice> .....	4
6.1.2 input=<name of input text file> .....	4
6.2. Additional Parameters: .....	4
6.2.1 format=<audio file format >.....	4
6.2.2 output=<name of output audio file> .....	4
6.2.3 codepage=<Character Set Coding>.....	5
6.2.4 lang=<language description> .....	5
6.2.5 coding=<coding value> .....	5
6.2.6 speed=<speed value>.....	5
6.2.7 pitch=< pitch value>.....	6
6.2.8 timbre=< timbre value> .....	6
6.2.9 volume=< volume value> .....	6
7. Examples .....	6
8. Annex .....	8
8.1 Voice and language description for the parameters „voice“ and „lang“ .....	8
8.2 Character Set Coding for the parameter „codepage“.....	14
8.3 Coding for the parameter „coding“: .....	15

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## 1. Foreword

The Voice Reader Studio 22 Command Line Utility „vrs22cmd.exe“ converts input text or a text file into an audio file via a command line prompt. It can be easily controlled also via batch-file and thus offers the possibility of an automated audio conversion of multiple text files.

The Voice Reader Studio 22 Command Line Utility is accessing the Voice Reader Studio 22 Text-to-Speech-Engine.

For installation, activation and usage of Voice Reader Studio 22 Command Line Utility please follow these instructions.

## 2. Usecases

Many tasks can be easily done under Windows via the command line.

Voice Reader Studio 22 Command Line Utility can be perfectly integrated into script programs or into script-controlled processes.

For example, you can use it for a specific and automated conversion from text into audio of

- certain lines from large files or
  - specific files from a directory
- without the need of any user interaction.

## 3. Installation

At first, please install the main program **Voice Reader Studio 22** in the desired language.

The Voice Reader Studio 22 Command Line Utility will be delivered in a zip archive via download.

The utility consists of

- a main application "**vrs22cmd.exe**",
- necessary libraries or DLLs,
- an application example batch file "**test\_vrs22cmd.bat**" and associated text files required for the batch file.

After the installation of the main program „Voice Reader Studio 22“, exit all Voice Reader Studio and Office applications and copy the Command Line application “vrs22cmd.exe” and the DLL file into the installation folder of Voice Reader Studio 22. Overwrite the already existing DLL file.

The default installation folder of Voice Reader Studio 22 is:

**C:\Program Files\Linguattec\VoiceReaderStudio22\**

You need full admin rights to get the permission to copy files into this directory!

Please copy the batch file and the associated txt files in your working folder. Before you can execute the batch file, please modify the path variables in the batch file corresponding to the given folder structure on the computer.

Detailed information for the installation of Voice Reader Studio 22 can be found in the user manual

<http://www.linguattec.de/services/manuals> and on our FAQ page:

<http://www.linguattec.de/services/support>



## 4. Activation

The Voice Reader Studio 22 Command Line Utility is working with all languages which have been installed and activated in the main program „Voice Reader Studio 22“.

The activation for each language of Voice Reader Studio 22 must be performed in the main program „Voice Reader Studio 22“. Each language must be activated separately and requires its own license key. You obtain the license key after the purchase from your vendor from whom you bought Voice Reader Studio 22.

Voice Reader Studio 22 and Voice Reader Studio 22 Command Line Utility can be tested within 30 days following installation without activation (it counts the day of the installation of the respective language).

Detailed information for the activation of Voice Reader Studio 22 can be found in the user manual

<http://www.linguattec.de/services/manuals> and on our FAQ page:

<http://www.linguattec.de/services/support>

## 5. Using the Command Line Utility

1. Open the command console (Start – Run – cmd.exe)
2. Navigate to the program folder of Voice Reader Studio 22, in which you can find the „vrs22cmd.exe“. Please enter therefore in the command console:

```
cd "%PROGRAMFILES%\Linguattec\VoiceReaderStudio22\"
```

Important: The Voice Reader Studio 22 Command Line Utility „vrs22cmd.exe“ has to be in the installation folder of Voice Reader Studio 22. You need to start it from there.

3. Call the Voice Reader Studio 22 Command Line Utility as follows: **vrs22cmd.exe**

```
C:\Users\...>cd "%PROGRAMFILES%\Linguattec\VoiceReaderStudio22\"
C:\Program Files\Linguattec\VoiceReaderStudio22>vrs22cmd.exe
```

When you start the Voice Reader Studio 22 Command Line Utility without any parameters, all supported parameters and some examples will be shown.

The batch file „test\_vrs22cmd.bat“ contains sample how to convert text file into a MP3 audio file in different languages. However, the languages are not installed on your system will not generate any audio files, but produce the corresponding error message.

Please modify the path variables in the batch file corresponding to the given folder structure on the computer.

## 6. Parameters

The Voice Reader Studio 22 Text-to-Speech can be controlled via parameters.

Please use the following parameters:

We differentiate between „necessary“ and „additional parameters“.



„Necessary parameters“ (**voice** and **input**) have to be specified.

„Additional parameters“ (e.g. **lang**, **codepage**, **format**...) don't have to be specified.

If an additional parameter is not specified, the default value for this parameter will be applied.

The different parameters must be separated with blanks.

Please enclose the value of the parameter with quotation marks, if the file name or file directory which is named in the parameter contains blanks.

## 6.1 Necessary parameters

### 6.1.1 voice=<name of the voice>

This parameter defines the voice and thus language and gender (male or female voice). Please use the names which you can find in the table of chapter 8.1

### 6.1.2 input=<name of input text file>

If the text file is in the current directory, (this means in the same directory in which the VRS22cmd.exe is located), it is sufficient to name the file name.

Example:      input=test1.txt

If the text file is not in the current directory, you need to describe the file name with the full path. If the parameter **output** is not specified, the result audio file name will be generated automatically from the **input** parameter.

If the file location or file name contains spaces, the specification must be enclosed with quotation marks.

Example:      input="d:\my work\test2.txt"

## 6.2. Additional Parameters

### 6.2.1 format=<audio file format >

Defines the audio file format. Possible values are WAV or MP3. The default value is WAV.

Example:      format=mp3

### 6.2.2 output=<name of output audio file>

Defines the exact file name and location (file path) for the generated audio file.

If the file location or name contains spaces, the specification must be enclosed with quotation marks.

Example:      output="c:\my result\test2\_de.wav"



### 6.2.3 codepage=<Character Set Coding>

Please use the coding as described in chapter 8.2 (column "coding")

All possible codepage values can be found in the Microsoft-table „system.text.encoding“ under [http://msdn.microsoft.com/library/system.text.encoding\(v=vs.80\).aspx](http://msdn.microsoft.com/library/system.text.encoding(v=vs.80).aspx)

If no codepage is defined as parameter, a default value will be generated automatically from the BOM (Byte Order Mark) of the "**input**" text file.

If the text file contains no BOM, the parameter "**codepage**" has to be defined!

Example: codepage=1252

### 6.2.4 lang=<language description>

Defines the language of the input text file.

Please use the language description as shown in chapter 8.1 (column "lang").

Please ensure that the specific language is supported by the chosen voice. If no language is defined, a default value will be generated automatically from the parameter "voice".

Example: lang=ged

### 6.2.5 coding=<coding value>

The coding value depends on the chosen parameter for "**format**", please see table in chapter 8.3 (column "format").

The following values are supported:

For the **WAV** file format:

0= 8KHz,8bit;	1= 8KHz,16bit;	2= 11KHz,8bit;	3= 11KHz,16bit;
4= 22KHz,8bit;	5= 22KHz,16bit;	6= 44KHz,8bit;	7= 44KHz,16bit;
8= 48KHz,8bit;	9= 48KHz,16bit		

The default value is 5 (22KHz, 16bit)

For the **MP3** file format:

0= 16kBit/s;	1= 24kBit/s;	2= 32kBit/s;	3= 40kBit/s;
4= 48kBit/s;	5= 56kBit/s;	6= 64kBit/s;	7= 80kBit/s;
8= 96kBit/s;	9= 112kBit/s;	10= 128kBit/s;	11= 160kBit/s;
12= 192kBit/s			

The default value is 6 (64kBit/s)

Example: coding=6

### 6.2.6 speed=<speed value>

This parameter defines the speed for the reading text. Values between 50 and 200 may be entered. The default value for speed is 100.

Example: speed=90



### 6.2.7 pitch=< pitch value>

This parameter defines the pitch for the reading of the text. Values between 50 and 200 may be entered. The default value for pitch is 100.

Example: pitch=110

### 6.2.8 timbre=< timbre value>

This parameter defines the voice color of the speaker's voice. The values can range from 80 (very dark) to 130 (very light). The default value for timbre is 100.

Example: timbre=95

### 6.2.9 volume=< volume value>

This value defines the volume. Values between 1 and 100 may be entered. The default value for volume is 100.

Example: volume=75

## 7. Examples

a)

```
vrs22cmd.exe voice=Ava-ML format=mp3 input=test_en.txt
```

This command line command generates:

- from the text of the text file **test\_en.txt** (which is in the current directory)
- the audio file **test\_en.mp3**
- with the voice **Ava-ML** (in American English).

INFORMATION:

The command line command from above can only be executed,

- if the voice "**Ava-ML**" is installed on this PC in Voice Reader Studio 22.
- if the program has writing permission in this directory. In the default case, this command will not work because programs usually don't have write permissions in the directory "**C:\ProgramFiles\**".

b)

```
C:\my files>"C:\Program Files\Linguatec\VoiceReaderStudio22\vrs22cmd.exe" voice=Tian-Tian  
format=mp3 input=test_utf_8.txt
```

This command line command would generate the MP3 audio file "**C:\my files\test\_utf\_8.mp3**" from the text file "**C:\my files\test\_utf\_8.tx**" with the voice "**Tian-Tian**" (in Chinese, Mandarin). The text file has to contain BOMs or has to be coded in UTF-8 or UTF-16.

INFORMATION:

The command line command from above can only be executed,

- if the program has write permissions in the directory „**C:\my files\**“.
- if the voice „**Tian-Tian**“ is installed on this PC in Voice Reader Studio 22.



Important: If the file location or file name contains spaces, the specification must be enclosed with quotation marks.

c)

```
C:\my files>"C:\Program Files\Linguattec\VoiceReaderStudio22\vrs22cmd.exe" voice=Anna-ML
format=wav coding=7 input="d:\my work\test_de.txt" codepage=1252 speed=120 volume=90
output="c:\my result\test2_de.wav"
```

This command line command would generate the WAV audio file "**c:\my result\test2\_de.wav**" from the text file "**d:\my work\test\_de.txt**" with the voice "**Anna-ML**" (in German language). The text was created in Codepage **1252**. The WAV audio file quality has been defined with **44KHz** and **16bit**. The text will be read out **20% faster** and with **90% of the default volume**.

#### INFORMATION:

The command line command from above can only be executed,

- if the program has write permissions in the directory „**C:\my files**“.
- if the voice „**Anna-ML**“ is installed on this PC in Voice Reader Studio 22.

Important: If the file location or file name contains spaces, the specification must be enclosed with quotation marks.





## 8. Annex

### 8.1 Voice and language description for the parameters „voice“ and „lang“

Voice Reader Studio	Language (E)	<lang>	<voice>	Gender
Voice Reader Studio 22 ARW Arabic	Arabic	arw	Tarik	M
Voice Reader Studio 22 ARW Arabic	Arabic	arw	Maged-ML	M
Voice Reader Studio 22 ARW Arabic	Arabic	arw	Laila	F
Voice Reader Studio 22 ARG Arabic (Gulf Region)	Arabic (Gulf Region)	arg	Mariam	F
Voice Reader Studio 22 BEI Bengali (India)	Bengali (India)	bei	Paya	F
Voice Reader Studio 22 BGB Български / Bulgarian	Bulgarian	bgb	Daria	F
Voice Reader Studio 22 HRH Hrvatski /Croatian	Croatian	hrh	Lana	F
Voice Reader Studio 22 BAE Beuskal / Basque	Basque	bae	Miren	F
Voice Reader Studio 22 DAD Dansk / Danish	Danish	dad	Sara	F
Voice Reader Studio 22 DAD Dansk / Danish	Danish	dad	Magnus	M
Voice Reader Studio 22 GED Deutsch / German	German	ged	Anna-ML	F
Voice Reader Studio 22 GED Deutsch / German	German	ged	Petra-ML	F
Voice Reader Studio 22 GED Deutsch / German	German	ged	Yannick	M
Voice Reader Studio 22 GED Deutsch / German	German	ged	Markus	M
Voice Reader Studio 22 GED Deutsch / German	German	ged	Viktor	M
Voice Reader Studio 22 ENU English (American)	English (American)	enu	Ava-ML	F
Voice Reader Studio 22 ENU English (American)	English (American)	enu	Samantha	F
Voice Reader Studio 22 ENU English (American)	English (American)	enu	Tom	M
Voice Reader Studio 22 ENU English (American)	English (American)	enu	Evan	M
Voice Reader Studio 22 ENU English (American)	English (American)	enu	Nathan	M
Voice Reader Studio 22 ENU English (American)	English (American)	enu	Zoe-ML	F
Voice Reader Studio 22 ENA English (Australian)	English (Australian)	ena	Karen	F
Voice Reader Studio 22 ENA English (Australian)	English (Australian)	ena	Lee	M
Voice Reader Studio 22 ENA English (Australian)	English (Australian)	ena	Matilda	F



Voice Reader Studio 22 ENG English (British)	English (British)	eng	Serena	F
Voice Reader Studio 22 ENG English (British)	English (British)	eng	Daniel	M
Voice Reader Studio 22 ENG English (British)	English (British)	eng	Kate	F
Voice Reader Studio 22 ENG English (British)	English (British)	eng	Oliver	M
Voice Reader Studio 22 ENG English (British)	English (British)	eng	Malcom	M
Voice Reader Studio 22 ENG English (British)	English (British)	eng	Stephanie	F
Voice Reader Studio 22 ENI English (Indian)	English (Indian)	eni	Veena	F
Voice Reader Studio 22 ENI English (Indian)	English (Indian)	eni	Rishi-ML	M
Voice Reader Studio 22 ENI English (Indian)	English (Indian)	eni	Sangeeta	F
Voice Reader Studio 22 ENI English (Indian)	English (Indian)	eni	Isha-ML	F
Voice Reader Studio 22 ENE English (Irish)	English (Irish)	ene	Moira	F
Voice Reader Studio 22 ENS English (Scottish)	English (Scottish)	ens	Fiona	F
Voice Reader Studio 22 ENZ English (South African)	English (South African)	enz	Tessa	F
Voice Reader Studio 22 FIF Suomalainen/ Finnish	Finnish	fif	Satu	F
Voice Reader Studio 22 FIF Suomalainen/ Finnish	Finnish	fif	Onni	M
Voice Reader Studio 22 FRF Français / French	French	frf	Audrey-ML	F
Voice Reader Studio 22 FRF Français / French	French	frf	Aurelie	F
Voice Reader Studio 22 FRF Français / French	French	frf	Thomas	M
Voice Reader Studio 22 FRC Français (Canadien) / French (Canadian)	French (Canadian)	frc	Amelie-ML	F
Voice Reader Studio 22 FRC Français (Canadien) / French (Canadian)	French (Canadian)	frc	Nicolas	M
Voice Reader Studio 22 FRC Français (Canadien) / French (Canadian)	French (Canadian)	frc	Chantal	F
Voice Reader Studio 22 FRB Français (Belge) / French (Belgium)	French (Belgium)	frb	Aude	F
Voice Reader Studio 22 GLE Galego / Galician	Galician	gle	Carmela	F
Voice Reader Studio 22 GRG Ελληνικά / Greek	Greek	grg	Melina	F
Voice Reader Studio 22 GRG Ελληνικά / Greek	Greek	grg	Nikos	M
Voice Reader Studio 22 HEI Hebrew	Hebrew	hei	Carmit	F
Voice Reader Studio 22 HII Hindi	Hindi	hii	Lehka	F



Voice Reader Studio 22 HII Hindi	Hindi	hii	Neel-ML	M
Voice Reader Studio 22 HII Hindi	Hindi	hii	Kiyara-ML	F
Voice Reader Studio 22 IDI Indonesia (Bahasa) / Indonesian (Bahasa)	Indonesian (Bahasa)	idi	Damayanti	F
Voice Reader Studio 22 ITI Italiano / Italian	Italian	iti	Alice-ML	F
Voice Reader Studio 22 ITI Italiano / Italian	Italian	iti	Federica-ML	F
Voice Reader Studio 22 ITI Italiano / Italian	Italian	iti	Paola	F
Voice Reader Studio 22 ITI Italiano / Italian	Italian	iti	Luca	M
Voice Reader Studio 22 ITI Italiano / Italian	Italian	iti	Emma	F
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Ayane	F
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Daisuke	M
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Ichiro	M
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Nozomi	F
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Mizuki	F
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Sakura	F
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Koharu	F
Voice Reader Studio 22 JPJ Japanese	Japanese	jpj	Seiji	M
Voice Reader Studio 22 CAH Cantonese (Hong Kong)	Cantonese (Hongkong)	cah	Sin-Ji-ML	F
Voice Reader Studio 22 CAH Cantonese (Hong Kong)	Cantonese (Hongkong)	cah	Aasing-ML	M
Voice Reader Studio 22 KAI Kannada (India)	Kannada (India)	kai	Alpana	F
Voice Reader Studio 22 CAE Català / Catalan	Catalan	cae	Montserrat	F
Voice Reader Studio 22 CAE Català / Catalan	Catalan	cae	Jordi	M
Voice Reader Studio 22 KOK Korean	Korean	kok	Sora	F
Voice Reader Studio 22 KOK Korean	Korean	kok	Yuna-ML	F
Voice Reader Studio 22 KOK Korean	Korean	kok	Nuri-ML	F
Voice Reader Studio 22 KOK Korean	Korean	kok	Minsu	M
Voice Reader Studio 22 KOK Korean	Korean	kok	Jina	F
Voice Reader Studio 22 MSM Malay	Malay	msm	Amira	F



Voice Reader Studio 22 DOC Dongbei (China)	Dongbei (China)	doc	Dongmei-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Tian-Tian-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Li-Li-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Bin-Bin-ML	M
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Ban-Ban-ML	M
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Bo-Bo-ML	M
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Han-ML	M
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Lan-Lan-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Li-Lian-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Li-Sheng-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Shan-Shan-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Sha-Sha-ML	F
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Tao-Tao-ML	M
Voice Reader Studio 22 MNC Mandarin (China)	Mandarin (China)	mnc	Ting-Ting-ML	F
Voice Reader Studio 22 MNT Mandarin (Taiwan)	Mandarin (Taiwan)	mnt	Mei-Jia-ML	F
Voice Reader Studio 22 MAI Marathi	Marathi	mai	Ananya	F
Voice Reader Studio 22 DUN Nederlands (Nederland) / Dutch (Netherlands)	Dutch (Netherlands)	dun	Claire-ML	F
Voice Reader Studio 22 DUN Nederlands (Nederland) / Dutch (Netherlands)	Dutch (Netherlands)	dun	Xander	M
Voice Reader Studio 22 DUB Nederlands (België) / Dutch (Belgium)	Dutch (Belgium)	dub	Ellen	F
Voice Reader Studio 22 NON Norsk / Norwegian	Norwegian	non	Nora	F
Voice Reader Studio 22 NON Norsk / Norwegian	Norwegian	non	Henrik	M
Voice Reader Studio 22 PLP Polski / Polish	Polish	plp	Ewa	F
Voice Reader Studio 22 PLP Polski / Polish	Polish	plp	Zosia	F
Voice Reader Studio 22 PLP Polski / Polish	Polish	plp	Krzysztof	M
Voice Reader Studio 22 PTP Português / Portuguese	Portuguese	ptp	Catarina	F
Voice Reader Studio 22 PTP Português / Portuguese	Portuguese	ptp	Joana	F



Voice Reader Studio 22 PTP Português / Portuguese	Portuguese	ptp	Joaquim	M
Voice Reader Studio 22 PTB Português (Brasil) / Portuguese (Brazilian)	Portuguese (Brazilian)	ptb	Luciana	F
Voice Reader Studio 22 PTB Português (Brasil) / Portuguese (Brazilian)	Portuguese (Brazilian)	ptb	Felipe	M
Voice Reader Studio 22 PTB Português (Brasil) / Portuguese (Brazilian)	Portuguese (Brazilian)	ptb	Fernanda	F
Voice Reader Studio 22 ROR Român / Romanian	Romanian	ror	Ioana	F
Voice Reader Studio 22 RUR Русский / Russian	Russian	rur	Milena	F
Voice Reader Studio 22 RUR Русский / Russian	Russian	rur	Yuri	M
Voice Reader Studio 22 RUR Русский / Russian	Russian	rur	Katya-ML	F
Voice Reader Studio 22 SWS Svensk / Swedish	Swedish	sws	Alva	F
Voice Reader Studio 22 SWS Svensk / Swedish	Swedish	sws	Oskar	M
Voice Reader Studio 22 SWS Svensk / Swedish	Swedish	sws	Klara	F
Voice Reader Studio 22 SKS Slovenský / Slovak	Slovak	sks	Laura	F
Voice Reader Studio 22 SPE Español / Spanish	Spanish	spe	Marisol-ML	F
Voice Reader Studio 22 SPE Español / Spanish	Spanish	spe	Monica-ML	F
Voice Reader Studio 22 SPE Español / Spanish	Spanish	spe	Jorge	M
Voice Reader Studio 22 SPL Español (Chile) / Spanish (Chile)	Spanish (Chile)	spl	Francisca	F
Voice Reader Studio 22 SPC Español (Colombian) / Spanish (Colombian)	Spanish (Colombian)	spc	Soledad	F
Voice Reader Studio 22 SPC Español (Colombian) / Spanish (Colombian)	Spanish (Colombian)	spc	Carlos	M
Voice Reader Studio 22 SPM Español (Mexicano) / Spanish (Mexican)	Spanish (Mexican)	spm	Paulina-ML	F
Voice Reader Studio 22 SPM Español (Mexicano) / Spanish (Mexican)	Spanish (Mexican)	spm	Angelica	F
Voice Reader Studio 22 SPM Español (Mexicano) / Spanish (Mexican)	Spanish (Mexican)	spm	Juan	M
Voice Reader Studio 22 SPA Español (Argentina) / Spanish (Argentina)	Spanish (Argentina)	spa	Diego	M
Voice Reader Studio 22 SPA Español (Argentina) / Spanish (Argentina)	Spanish (Argentina)	spa	Isabela	F
Voice Reader Studio 22 TAI	Tamil	tai	Vani	F



Tamil				
Voice Reader Studio 22 TEI Telugu	Telugu	tei	Geeta	F
Voice Reader Studio 22 THT Thai	Thai	tht	Kanya	F
Voice Reader Studio 22 THT Thai	Thai	tht	Narisa	F
Voice Reader Studio 22 CZC Čeština / Czech	Czech	czc	Iveta	F
Voice Reader Studio 22 CZC Čeština / Czech	Czech	czc	Zuzana-ML	F
Voice Reader Studio 22 TRT Türk / Turkish	Turkish	trt	Yelda	F
Voice Reader Studio 22 TRT Türk / Turkish	Turkish	trt	Cem-ML	M
Voice Reader Studio 22 HUH Magyar / Hungarian	Hungarian	huh	Mariska	F
Voice Reader Studio 22 VAE Valencià / Valencian	Valencian	vae	Empar	F
Voice Reader Studio 22 FAI Persian (Farsi)	Persian (Farsi)	fai	Dariush	M
Voice Reader Studio 22 VIV Tiếng Việt / Vietnamese	Vietnamese	viv	Linh	F
Voice Reader Studio 22 UKU український / Ukrainian	Ukrainian	uku	Lesya	F
Voice Reader Studio 22 SLS Slovenščina / Slovenian	Slovenian	sls	Tina	F
Voice Reader Studio 22 SIC Sichuanese	Sichuanese	sic	Fangfang-ML	F
Voice Reader Studio 22 SIC Sichuanese	Sichuanese	sic	Feifei	F
Voice Reader Studio 22 SHC Shanghainese (China)	Shanghainese (China)	shc	Lulu-ML	F
Voice Reader Studio 22 SHC Shaanxi (China)	Shaanxi (China)	sxc	Hao-Hao	M



## 8.2 Character Set Coding for the parameter „codepage“

<b>Coding:</b>	<b>Additional Information:</b>
850	DOS Latin1 Western Europe
852	DOS Latin2 Europe
855	DOS Cyrillic Russian
1200	Unicode UTF-16 LE (BOM: FF FE)
1201	Unicode UTF-16 BE (BOM: FE FF)
1250	Windows ANSI, Central Europe
1251	Windows Cyrillic Russian
1252	Windows Latin 1, Western Europe
1253	Windows Greek
1254	Windows Turkish
1255	Windows Hebrew
1256	Windows Arabic
1257	Windows Baltic
12000	Unicode UTF-32 LE
12001	Unicode UTF-32 BE
65000	Unicode UTF-7
65001	Unicode UTF-8 (BOM: EF BB BF)

This table lists only the most common codings.

For further codings please refer to the following webpage:

[http://msdn.microsoft.com/en-us/library/windows/desktop/dd317756\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/windows/desktop/dd317756(v=vs.85).aspx)



### 8.3 Coding for the parameter „coding“:

Coding of the parameter „coding“ for „format=wav“

<b>Coding:</b>	<b>Additional Information:</b>
0	8 KHz, 8 Bit
1	8 KHz, 16 Bit
2	11 KHz, 8 Bit
3	11 KHz, 16 Bit
4	22 KHz, 8 Bit
<b>5</b>	<b>22 KHz, 16 Bit (Standard)</b>
6	44 KHz, 8 Bit
7	44 KHz, 16 Bit
8	48 KHz, 8 Bit
9	48 KHz, 16 Bit

Coding of the parameter „coding“ for „format=mp3“

<b>Coding:</b>	<b>Additional Information:</b>
0	16 kB/s
1	24 kB/s
2	32 kB/s
3	40 kB/s
4	48 kB/s
5	56 kB/s
<b>6</b>	<b>64 kB/s (Standard)</b>
7	80 kB/s
8	96 kB/s
9	112 kB/s
10	128 kB/s
11	160 kB/s