

VITASIS

Truebar™

QuickStart Guide



Introduction

This QuickStart guide provides basic instructions that will help you start using the Truebar™ demo platform. It also provides a set of best practices that are important to follow in order to achieve high recognition accuracy with the Truebar™ dictation application. Please make sure to read this guide throughout.

Login

To login, press **NASTAVITVE** (Settings) on the landing page, enter your username (Uporabniško ime) and password (Geslo) and press **PRIJAVA** (Login) to confirm (Fig 1).

Nastavitve

Avtentikacija

fri 1 Enter username

..... 1 Enter password

2
Press PRIJAVA
to confirm

PREKLIČI **PRIJAVA**

Fig 1

Settings

Once you are logged in, you can set the preferences, such as the model version, punctuation handling, interims etc. These settings are all preset, based on the user groups your account belongs to. Notice that some preferences can not be changed if your account is not allowed to do so. The changes are saved to your account automatically.



Transkripcija	
Jezik	sl-SI ▾
Domena	COL ▾
Verzija	20210923-2017 ▾
Ločevanje izjav	Kaldi ▾
Samodejno postavljanje ločil	<input type="checkbox"/>
Velike začetnice	<input type="checkbox"/>
Normalizacija	<input type="checkbox"/>
Narekovana ločila in ukazi	<input type="checkbox"/>
Vmesni transkripti	<input checked="" type="checkbox"/>
Prikazuj <unk>	<input type="checkbox"/>
Slovar	 

Fig 2

Live dictation

To start dictating, press **V ŽIVO** (Live) to open the dictation editor. If asked to allow access to the microphone, confirm (depending on your system settings you may be asked only when you use the application for the first time) and start dictating. The transcripts will start appearing on the screen (i.e. display of interims is enabled). To stop, press the microphone icon at the bottom of the screen. You can continue the dictation later by pressing the same button again. If you want to make changes to the recognized text, do so by using your keyboard and mouse, the same way you would in any other text editor. Once satisfied with the text, you can export it to docx, srt or tb format, or save it to the clipboard by pressing **SHRANI** (Fig 3).

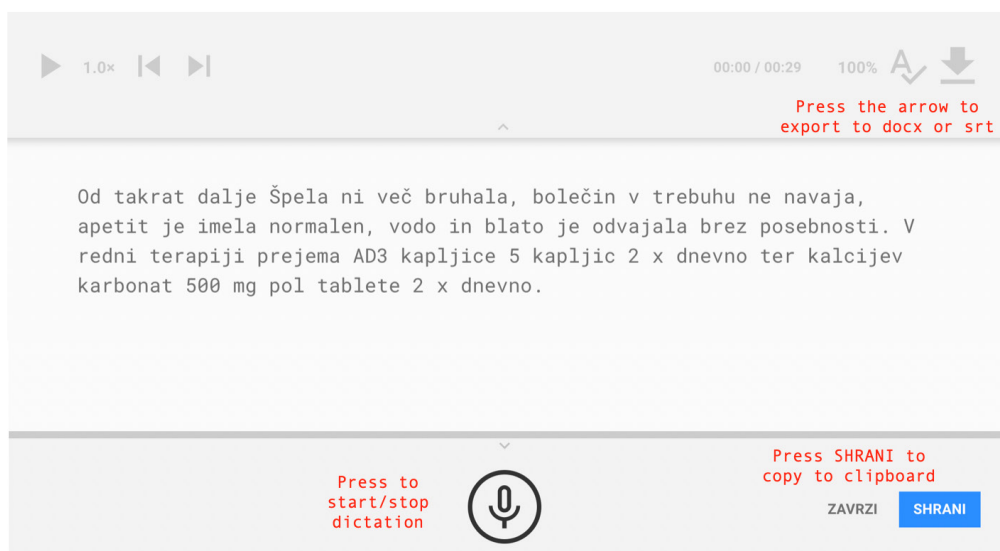


Fig 3

Off-line transcription

To transcribe speech that has been pre-recorded, press **NALOŽI** (Upload) while on the landing page. In the file selector that will pop up, select the recording you want to transcribe and press open. The transcript will start appearing on the screen until the complete recording is transcribed. The transcript can be edited and exported/copied to the clipboard in the same way as it was in the live dictation mode (Fig 4).

Important: the system only accepts recordings that are mono (one channel), 16 KHz, wav files.

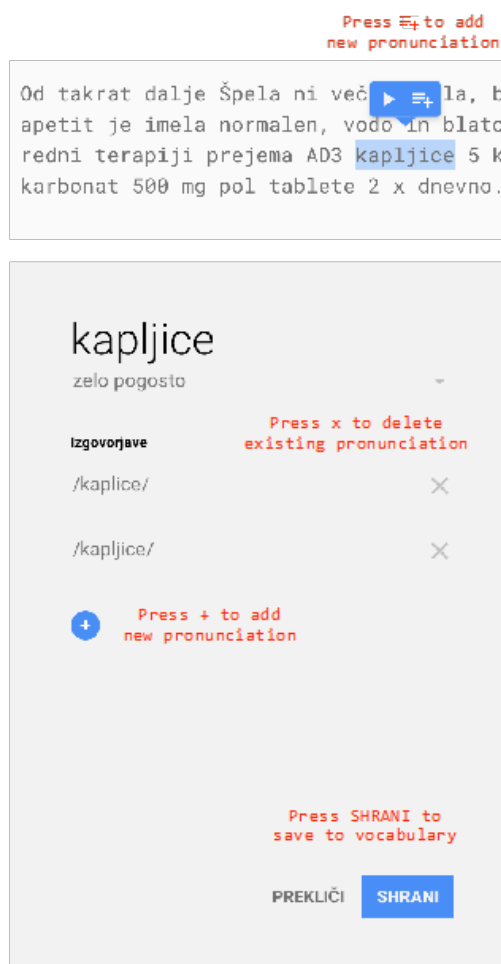


Fig 4

Fine-tuning

Every speech recognition system requires some fine-tuning to make sure the vocabulary that is going to be used in dictation is fully covered. To cope with the dynamic nature of the vocabulary, Truebar™ provides a possibility for adding new tokens and to renew the vocabulary. These features are only available to users with certain rights and privileges (Fig 5). Further improvements can be achieved by fine-tuning the acoustic model so as to fit the acoustic and speaker characteristics. This however cannot be performed by a user, but by the team.

Transkripcija	
Jezik	sl-SI ▾
Domena	MED ▾
Verzija	20210615-0652 ▾
Ločevanje izjav	Kaldi ▾
Semedeljno postavljanje ločil	<input type="checkbox"/>
Velike začetnice	<input type="checkbox"/>
Normal zedcija	<input type="checkbox"/>
Narokovana ločila in ukazi	<input checked="" type="checkbox"/>
Vmesni transkripti	<input checked="" type="checkbox"/>
Razbij na bloke	<input type="checkbox"/>
Shrani na disk	<input type="checkbox"/>
Prikazu, <unk>	<input type="checkbox"/>
Slovar	1

Press [Esc] to renew the vocabulary

Fig 5

Dictation best practices

To assure high accuracy of the Truebar™ speech recognition system, follow these best practices.

1. Dictation

When dictating, speak clearly and avoid making unnatural pauses and fillers like hmm, eeh etc. Note that the system will better recognize complete sentences rather their parts or single words. Keep a natural speaking pace, and use strategic pauses (e.g. before and after commands).

2. Dictation

Numbers up to 2200 can be pronounced as words, e.g. 2017 as /two thousand seventeen/. For larger numbers and numbers with more digits, please dictate digit per digit, e.g. say /three one zero two/ for the number 3102.

Decimal numbers should be dictated using the token /cela/ to indicate the decimal placeholder. For instance, 12,4 would be dictated as /dvanajst cela štiri/.

3. Punctuations

Truebar™ dictation software takes care of automatic punctuation, however better results are achieved if punctuations are dictated. In your pre-set settings automatic punctuation was disabled and the system expects punctuations to be dictated using the following commands:

full stop: /pika/,

comma: /vejica/,

question mark: /vprašaj/,

exclamation mark: /klicaj/,

colon: /dvopičje/,

semicolon: /podpičje/,

left parenthesis: /oklepaj/
right parenthesis: /zaklepaj/
slash: /poševnica/, /na/, /čez/, /deljeno/
dash: /pomišljaj/, /minus/, /črtica/, /vezaj/
multiply: /krat/

4. Special commands

You can also use commands when dictating. The system is set up to handle commands as standalone units, so be sure to make a small pause before and after the command. As an indication that the command has been applied, the cursor will change its appearance or move (this only applies for some of the commands, like uppercase, lowercase, capital etc.). The following is the list of commands that are currently supported on the Truebar™ DEMO platform:

- Switch ON uppercase: /velike črke/,
- Switch OFF uppercase: /izključi velike črke/, /izključi velike/,
- Switch ON lowercase: /male črke/,
- Switch OFF lowercase: /izključi male črke/, /izključi male/,
- Capital letter: /velika začetnica/,
- New line: /nova vrsta/, /nova vrstica/,
- New paragraph: /nov odstavek/,
- Delete last word: /briši/, /briši besedo/,
- Delete last sentence: /briši stavek/.

VITASIS

Truebar™ QuickStart Guide. Ljubljana, January 2022.