The background of the page is filled with a pattern of concentric circles of varying sizes and orientations, creating a ripple effect. The circles are light gray and scattered across the white background.

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Vocia[®]

**TTS-1e Text-to-Speech
Quick Reference Guide**

support.biamp.com

March 2016

Quick Reference Guide for TTS-1e

The Vocia Text-to-Speech Server (TTS-1e) is typically shipped from the Biamp factory without Voice Packages installed. A Voice Package is comprised of a language type, locale, and an intonation, either male or female. At least one voice package must be loaded onto the TTS-1e before it can be used in a Text-to-Speech solution. Biamp provides these voice fonts on a USB stick once they have been ordered. This document describes how to install voice fonts onto the TTS-1e and then configure it for use in a Vocia system.

Step 1 - Purchase TTS-1e Voice Package(s)

For the TTS-1e to function you will need at least one Voice Package installed. To purchase Voice Package(s), contact your local Integrator or Distributor. A full list of the currently supported voice fonts can be found on Page 10 of this document under Currently Supported Vocia Voice Packages.

Step 2 - Set Up a Project

The project must have a Message Server (MS-1e), at least one audio output device and a TTS-1e. A TTS-1e must be supported by the MS-1e, therefore any project file that contains a TTS-1e but not an MS-1e will be invalid. Please note that the TTS-1e cannot be used to make inter-world pages, if you require a multi-world system you must have a TTS-1e in each World. Match the ID number on your devices to the numbers that are generated in the software. For further information on setting up a project please visit Cornerstone at support.biamp.com.

Step 3 - Configure the MS-1e and TTS-1e IP addresses

Configure the MS-1e IP Address. The default IP address for a new MS-1e is 192.168.1.101. Enter this value into the MS-1e Dialog window under IP Settings and then go Online with the MS-1e. Once you have established a connection save this information and exit the dialog window. If you'd like to change the IP address, Subnet Mask, Gateway, and/or DNS information of the MS-1e, right-click on the MS-1e and select IP Configuration.

Open the TTS-1e General Settings dialog window and enter the default IP address for the TTS-1e, which is 192.168.1.102. Once you have established a connection with the TTS-1e save this information and exit the dialog window. If you'd like to change the IP address, Subnet Mask, Gateway, and/or DNS information of the TTS-1e, right-click on the TTS-1e and select IP Configuration.

The IP address that was set in the TTS-1e must be accessible to the end user as it will need to be entered into a web browser to access the TTS-1e Web Browser interface (see TTS-1e Web Interface End User Guide in Vocia Help for more information). If you have configured the devices correctly, you should have a main layout that looks similar to the following image.

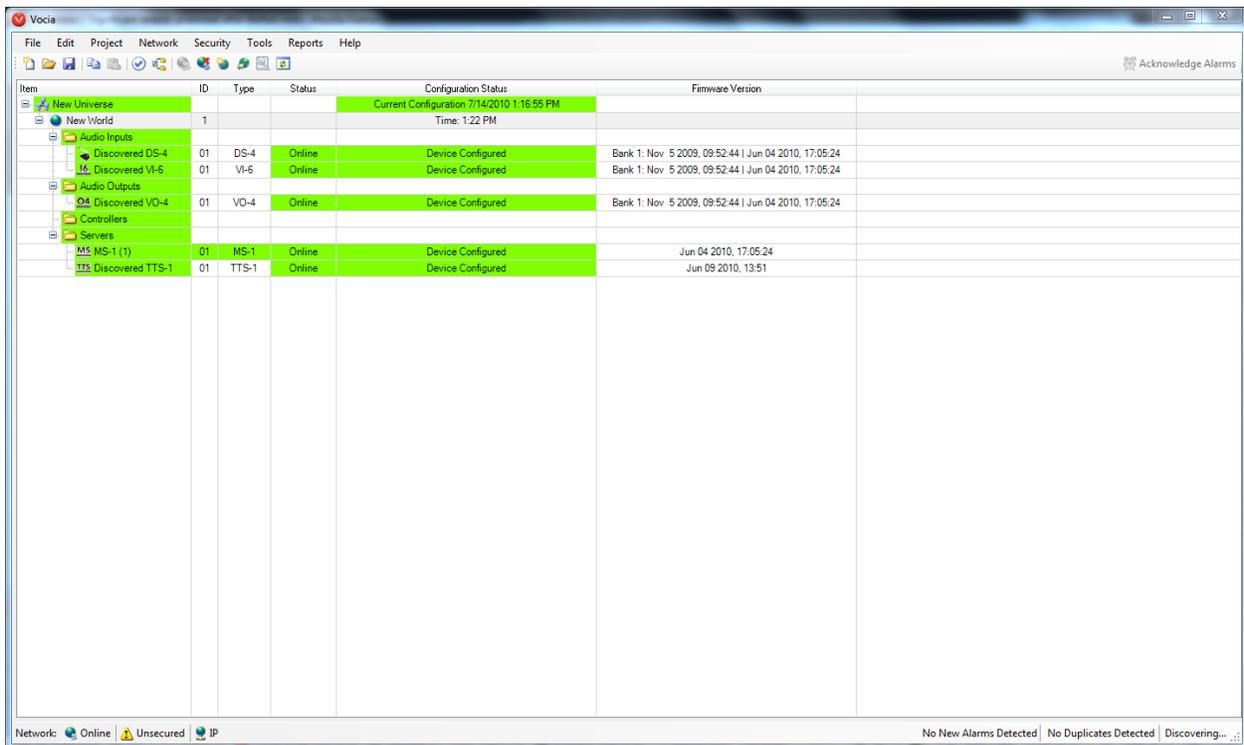


Figure 1. Configured MS-1e and TTS-1e

Step 4 - Select Voice Packages

The Voice Packages will be shipped on a USB stick. Once you receive the USB stick, insert it in the computer that will be used to load the Voice Packages to the TTS-1e. In the Tools Menu select TTS-1e Voice Management. If this option is grayed out (not selectable) this means that you haven't configured the IP information correctly and you aren't communicating with the TTS-1e (Fig. 2).

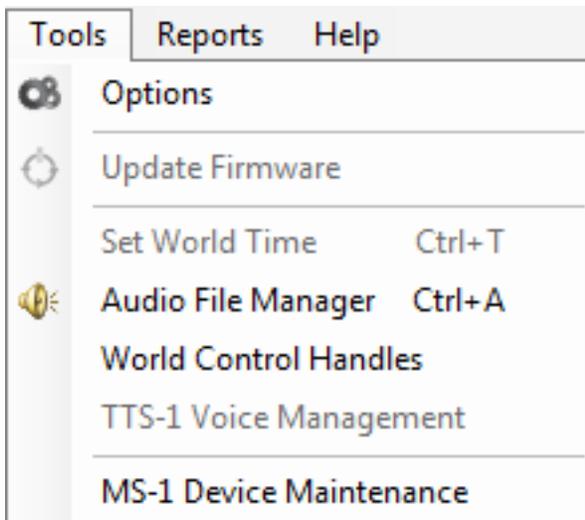


Figure 2. Incorrect IP Configuration

The TTS-1e Voice Management tool allows you to install the Voice Packages you have purchased from your local PC. If configured correctly, simply select the TTS-1e Voice

Management option. Select the *Select Voice Package* icon, and then browse to the correct drive to select a Voice Package to install.

Open the Voice Package then select *Add Voice* and the voice will be added into the dialog window. Once this is completed select *Update Devices* and the Voice Package will be sent to the TTS-1e. Please note that voices must be added and sent individually.

The image below shows both voices that have been added to the dialog window and a voice (Karen en-AU) in the process of being sent to a TTS-1e.

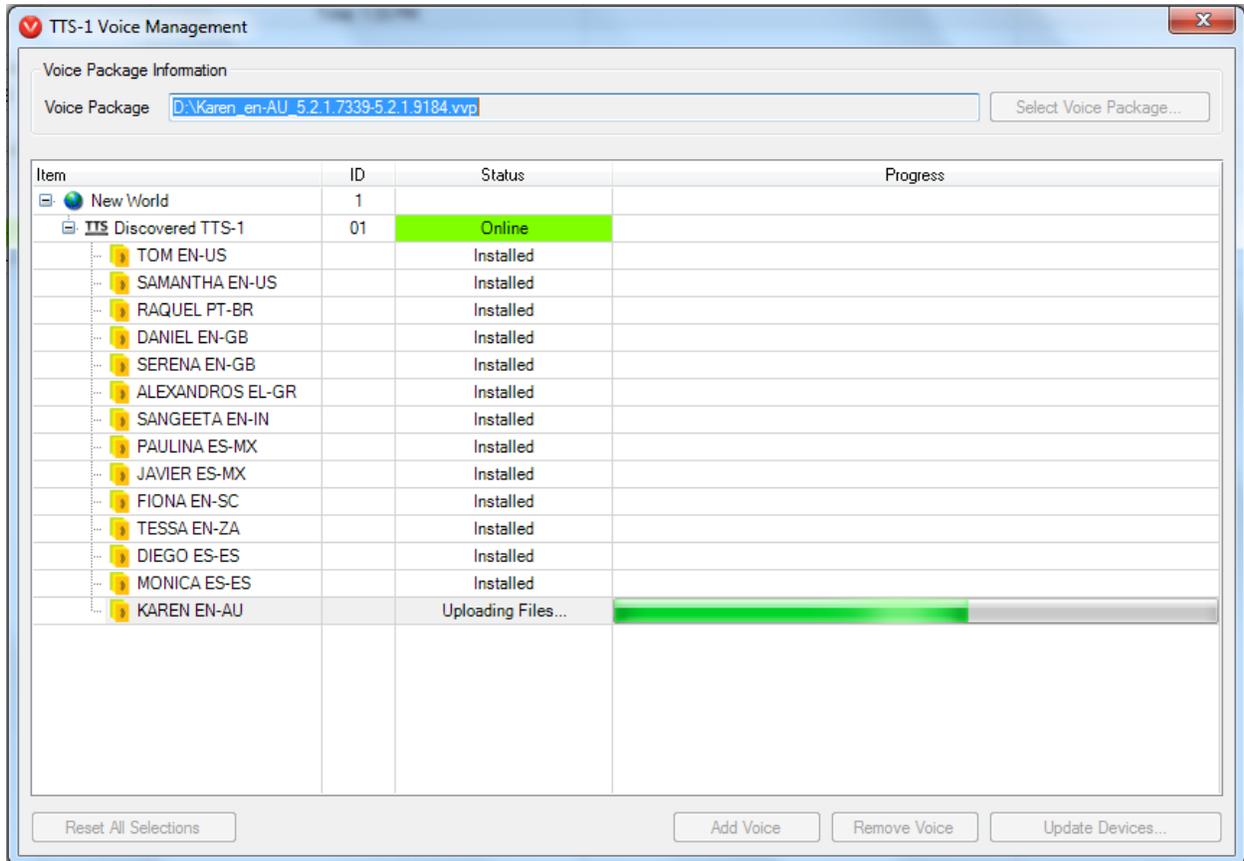


Figure 3. Update Devices

Once you have installed at least one voice as shown above, you will be ready to move onto the next step and configure some TTS-1e Sequences.

Step 5 - Configure TTS-1e Sequences

A TTS-1e Sequence comprises the zone information, priority level, voice and paging audio that you require the TTS-1e to serve out to the Vocia devices. TTS-1e Sequences are configured in the *World Properties* dialog window. The Sequence can be comprised of a combination of Text Elements and Wav File Elements. Preamble, Priority, Zone Assignment, and Voice Package can be assigned on a per sequence basis.

The Elements tab is used to assign Recorded Announcements and Text Elements to the current sequence. Select *New* to create a new TTS Sequence. To add a recorded Announcement, select the greater-than icon '>' that appears beside the Element tree. Note

that a Recorded Announcement must have been imported using the Audio File Manager before it can be used in a TTS Sequence.

To add a Text Element select the “A” icon and the window shown below will appear.

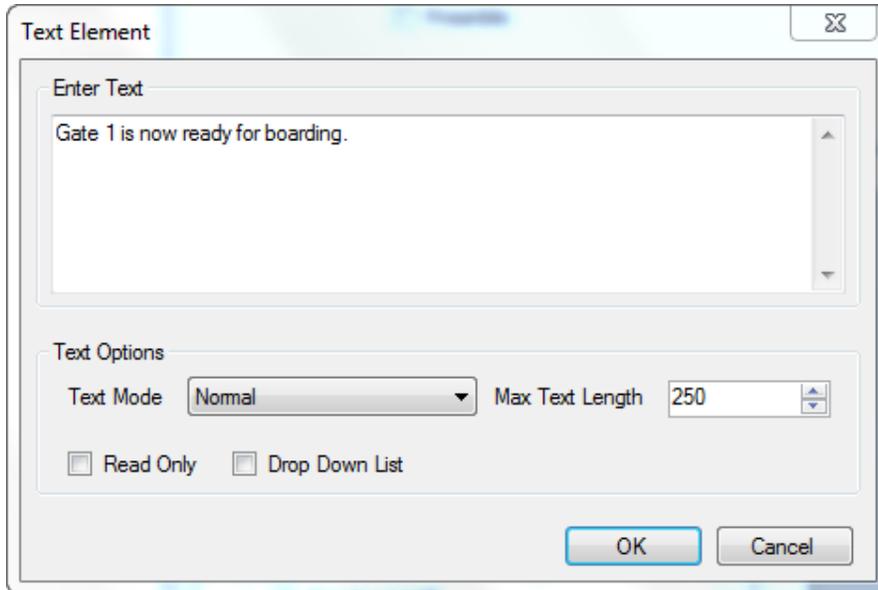


Figure 4. Text Element

Enter the required text for the element, keeping in mind that the maximum text length per element is 250 characters. In the Text Options field, change the Text Entry Mode and Max. Text Length that an end user will be able to enter, as well as toggle control of Read Only and Drop down List status if required.

The Read Only checkbox is used to determine the status of the text element when presented in the TTS-1e Web Interface. Making an element read only means that the end user cannot adjust the text via the web interface.

The Drop Down List checkbox allows the text field to be used to create a drop down list that is presented in the TTS-1e Web Interface. Each line entered in the text field below will correspond with a line in the drop down box shown in the web interface. The end user can then select an individual line of text for playback. Drop Down Lists are by default read only and the Read Only checkbox should not be used in this case.

Figure 5 shows a TTS Sequence that contains a wav file element and a text element.

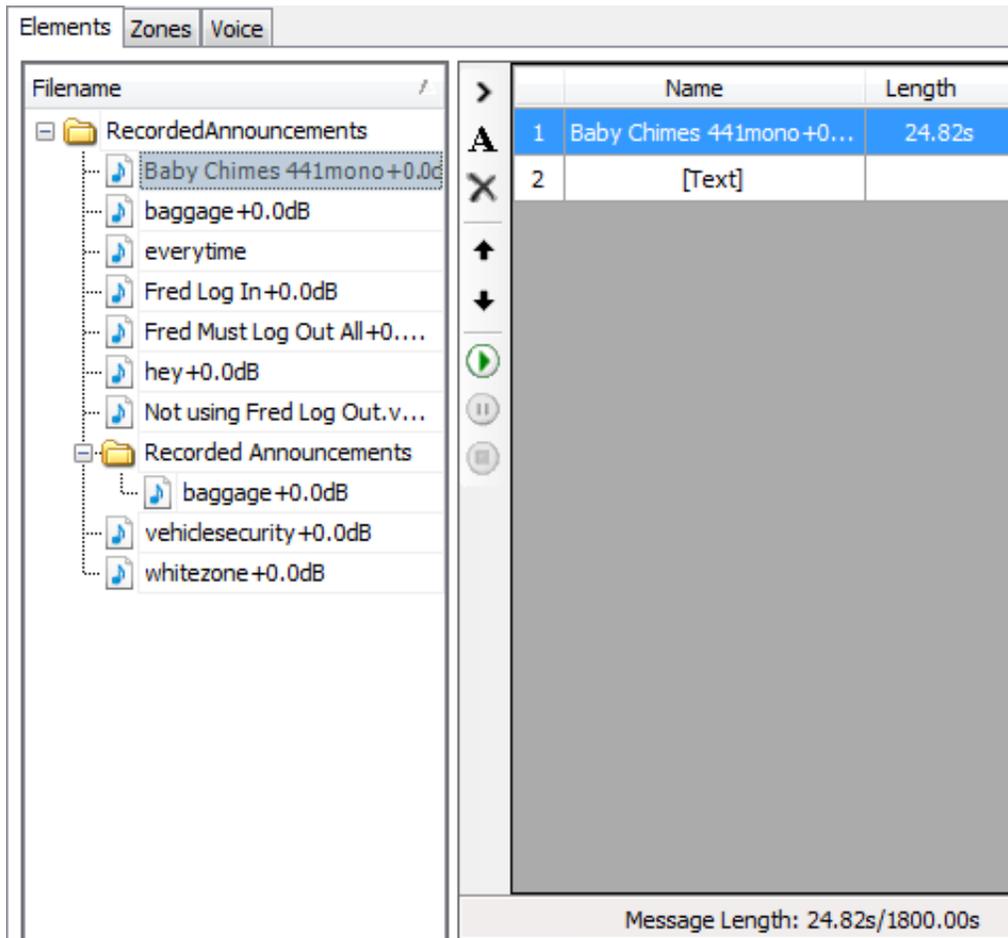


Figure 5. Wav and Text Elements

After the Text Sequence has been created, the Zone allocation for the sequence needs to be set in the Zones tab. Assign the sequence to at least one zone using the checkboxes.

Lastly, the Sequence needs to have a Voice assigned to it. The image below is a screenshot of the Voice tab. Please note that a voice package needs to be loaded into the TTS-1e as shown in Step 4 for it to be used. Select a checkbox beside a valid voice package and ensure that any text elements you wish to use are in the language of the voice font. For example, Russian text elements need to be written in Cyrillic characters, English text elements in Latin characters, etc. No automatic translation takes place in Vocia.

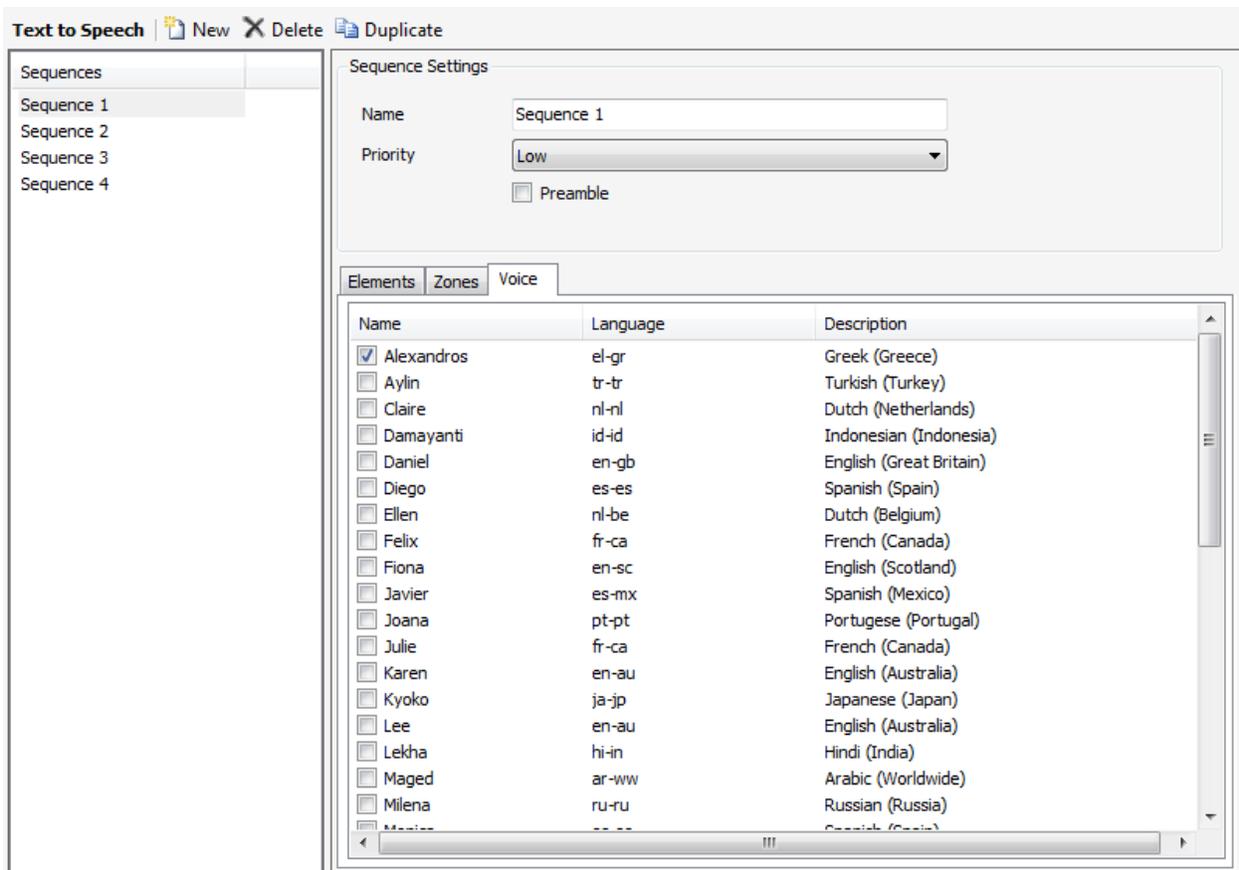


Figure 6. Voice Tab with configured Sequences

When you have one or more Sequences configured you are ready to move on to the next step.

Step 6 - Set up a TTS-1e User

The TTS-1e requires that a user name and password be entered into the web browser interface after a connection is established. User names and passwords are set in the Universe Properties Dialog in the VTP Users window. Set up at least one VTP User account to be used as the user name and password entry of the TTS-1e Web Interface.

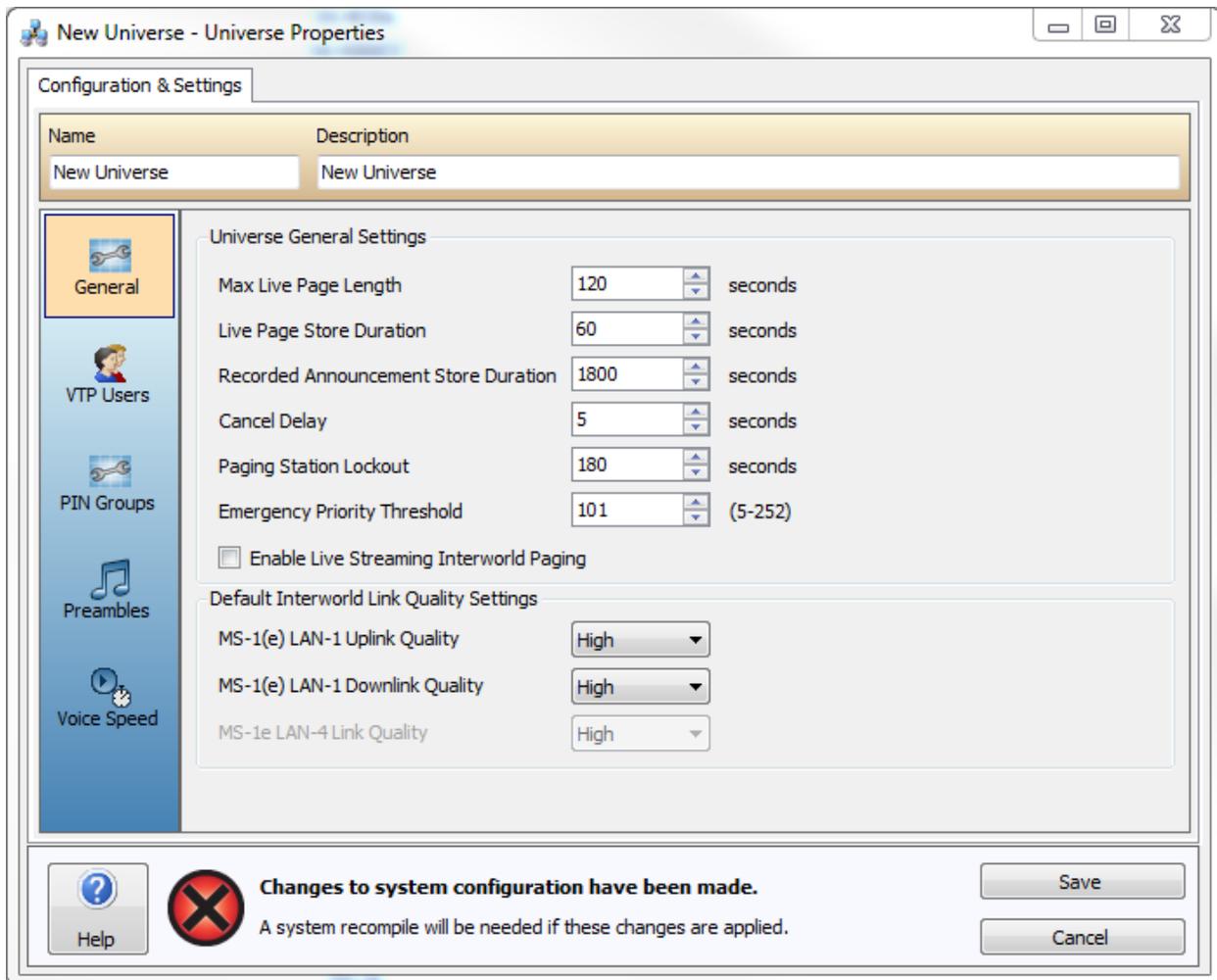


Figure 7. VTP User Account

Voice files have the ability to be sped up or slowed down. This is accomplished by increasing or decreasing the Speed number to the far right of each Voice File; from -6 up to +6.

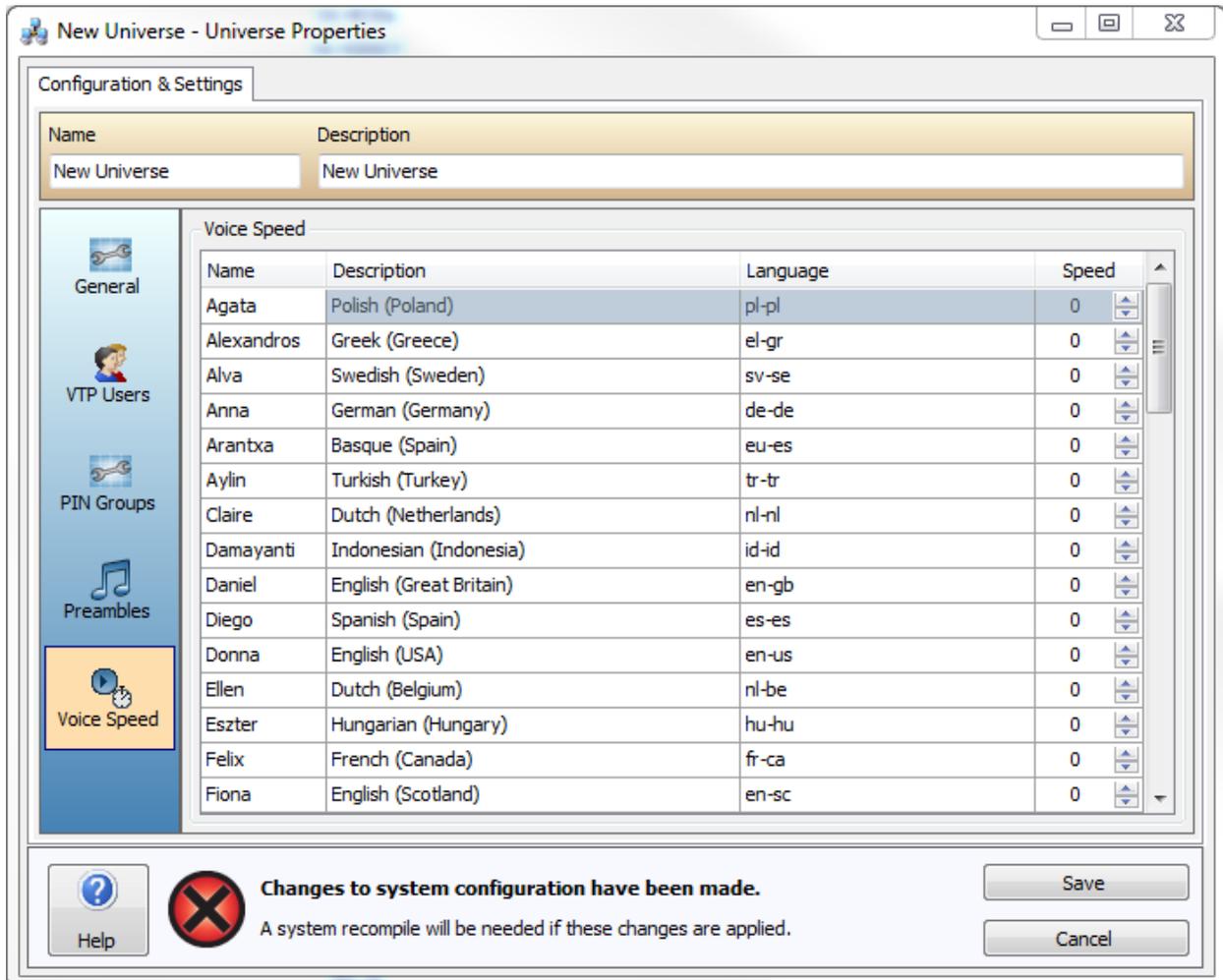


Figure 8. Voice Speed

Step 7 - Compile and Send the Configuration to devices

Once the steps above have been completed you can send the configuration to your Vocia devices. As long as no validation rules have been broken and all of the devices are online this process should be successful.

Step 8 - The TTS-1e Web Interface

The TTS-1e Web Interface can now be accessed by entering its IP address into a web browser of a PC that is connected to the same network as the TTS-1e IP port. Please see the TTS-1e Web Interface End User Guide in the Vocia Help file for information on using the web interface.

Currently supported Vocia Voice Packages

The list below shows all of the current Vocia Voice Packages available for purchase and use in the Vocia TTS-1e. This list is subject to change as new Voice Packages become available.

Name	Language	Description
<input checked="" type="checkbox"/> Agata	pl-pl	Polish (Poland)
<input type="checkbox"/> Alexandros	el-gr	Greek (Greece)
<input type="checkbox"/> Alva	sv-se	Swedish (Sweden)
<input type="checkbox"/> Anna	de-de	German (Germany)
<input type="checkbox"/> Arantxa	eu-es	Basque (Spain)
<input type="checkbox"/> Aylin	tr-tr	Turkish (Turkey)
<input type="checkbox"/> Claire	nl-nl	Dutch (Netherlands)
<input type="checkbox"/> Damayanti	id-id	Indonesian (Indonesia)
<input type="checkbox"/> Daniel	en-gb	English (Great Britain)
<input type="checkbox"/> Diego	es-es	Spanish (Spain)
<input type="checkbox"/> Donna	en-us	English (USA)
<input type="checkbox"/> Ellen	nl-be	Dutch (Belgium)
<input type="checkbox"/> Eszter	hu-hu	Hungarian (Hungary)
<input type="checkbox"/> Felix	fr-ca	French (Canada)
<input type="checkbox"/> Fiona	en-sc	English (Scotland)
<input type="checkbox"/> Ida	da-dk	Danish (Denmark)
<input type="checkbox"/> Javier	es-mx	Spanish (Mexico)
<input type="checkbox"/> Jill	en-us	English (USA)
<input type="checkbox"/> Joana	pt-pt	Portugese (Portugal)
<input type="checkbox"/> Julie	fr-ca	French (Canada)
<input type="checkbox"/> Karen	en-au	English (Australia)
<input type="checkbox"/> Kyoko	ja-jp	Japanese (Japan)
<input type="checkbox"/> Laura	sk-sk	Slovak (Slovakia)
<input type="checkbox"/> Lee	en-au	English (Australia)
<input type="checkbox"/> Lekha	hi-in	Hindi (India)
<input type="checkbox"/> Maged	ar-ww	Arabic (Worldwide)
<input type="checkbox"/> Mikko	fi-fi	Finnish (Finland)
<input type="checkbox"/> Milena	ru-ru	Russian (Russia)
<input type="checkbox"/> Moira	en-ie	English (Ireland)
<input type="checkbox"/> Monica	es-es	Spanish (Spain)
<input type="checkbox"/> Narae	ko-kr	Korean (Korea)
<input type="checkbox"/> Narisa	th-th	Thai (Thailand)
<input type="checkbox"/> Nuria	ca-es	Catalan (Spain)
<input type="checkbox"/> Oskar	sv-se	Swedish (Sweden)
<input type="checkbox"/> Paolo	it-it	Italian (Italy)
<input type="checkbox"/> Paulina	es-mx	Spanish (Mexico)

<input type="checkbox"/> Narisa	th-th	Thai (Thailand)
<input type="checkbox"/> Nuria	ca-es	Catalan (Spain)
<input type="checkbox"/> Oskar	sv-se	Swedish (Sweden)
<input type="checkbox"/> Paolo	it-it	Italian (Italy)
<input type="checkbox"/> Paulina	es-mx	Spanish (Mexico)
<input type="checkbox"/> Raquel	pt-br	Portugese (Brazil)
<input type="checkbox"/> Samantha	en-us	English (USA)
<input type="checkbox"/> Sangeeta	en-in	English (India)
<input type="checkbox"/> Sebastien	fr-fr	French (France)
<input type="checkbox"/> Serena	en-gb	English (Great Britain)
<input type="checkbox"/> Silvia	it-it	Italian (Italy)
<input type="checkbox"/> Simona	ro-ro	Romanian (Romania)
<input type="checkbox"/> Sin-Ji	zh-hk	Cantonese (Hong Kong)
<input type="checkbox"/> Steffi	de-de	German (Germany)
<input type="checkbox"/> Stine	no-no	Norwegian (Norway)
<input type="checkbox"/> Tessa	en-za	English (South Africa)
<input type="checkbox"/> Thomas	fr-fr	French (France)
<input type="checkbox"/> Ting-Ting	zh-cn	Mandarin (China)
<input type="checkbox"/> Tom	en-us	English (USA)
<input type="checkbox"/> Virginie	fr-fr	French (France)
<input type="checkbox"/> Xander	nl-nl	Dutch (Netherlands)
<input type="checkbox"/> Ya-Ling	zh-tw	Chinese (Taiwan)
<input type="checkbox"/> Yannick	de-de	German (Germany)
<input type="checkbox"/> Zuzana	cs-cz	Czech (Czech Republic)