

# TTS

## BTI Text to Speech Description and Diagram

In its most basic form, BTI's Text To Speech product takes any text file and converts it to audio, which can then be saved as a WAV file or output to the default audio device. The windows service, which runs on any pc/server with .net 4 framework installed, monitors designated folders for the text files to be processed and maintains a log of the activity. The user interface offers a number of customization features including adjustments to pronunciation.

BTI's TTS 1U server package includes a Digigram VX222e audio card which outputs to AES audio. Also on board are two GPI and two GPO input/outputs. BTI monitors GPI 1, which is used to enable or disable the output from the TTS unit. You may use this to control when TTS is permitted to interrupt broadcasting.

There are three priority levels used to determine order of playback. If audio is being broadcast and a higher priority alert, such as breaking news, is received, the lower priority audio is immediately stopped and the higher priority is started.

BTI's TTS server package comes with three voices included. Audio files and/or Text may be added to the beginning or end of the final output.

Included with the TTS server package is a web interface where the user can take full control of the audio to be played out or simply monitor the Speech output and GPI/GPO action live.

