

APPLICATION Note

TELECOM SOLUTIONS FOR THE 21ST CENTURY

**Creating Touch
Tone Wav Files for
use with the CTG-2**

September 20, 2011

Making a Wav File with Touch Tones Followed by Another Wav File Using Audacity Version 1.3.xx



Viking's model **CTG-2** is an advanced clock controlled tone/message generator designed to provide accurately timed tones and/or messages over your existing paging system. This provides a cost effective way of signaling school period changes, factory shifts, breaks, lunch periods, etc. The **CTG-2** has four programmable trigger inputs which are ideal for triggering emergency alert tones/messages to indicate fire evacuation, severe weather, lock down, all clear or can be used in store caster applications for "customer service required" announcements, etc.

The **CTG-2** can send paging tones or messages at different times to up to 4 different zones when used with a Viking model **ZPI-4 (DOD# 499)**. Since touch tones are used to select the paging zones on the **ZPI-4**, you simply add a ½ sec touch tone wave file before each paging tone or message via Audacity or any other wave file audio editing software. Wave files for touch tones 0-9 are provided on the **CTG-2** installation CD.

Directions

1. Make Audacity full screen.
2. Go to "generate" and "DTMF tones"
3. Put the desired touch tone in DTMF sequence and click ok. Note touch tone duration. If too long or too short, alter duration field.
4. It then creates a wav file for those touch tones (can click play to hear if desired). Make any changes if needed (in generate).
5. Go to "File" and "Import" and "Audio". Browse to the location of the second wav and select it.
6. It will then open below the DTMF string's wav.
7. On the second wav file, pick a spot after the touch tones where you would like the second wav to start and click on that spot (should put a line there). Then go to "tracks" and "Align Tracks" and "Align with cursor". The second wav will move over and start at that point.
8. Go to "Edit" and "Join" to join the two wav files together. You can click on play to hear the combination if desired. *Note* "Mix and render" under "tracks" also works to join the two together.
9. Then go to "File" and "Export". Assign a name and location to keep the combined wav file and click on "Save".
10. Click on "OK" on the Edit Metadata screen and "OK" when it warns; "your tracks will be mixed down to two stereo channels in the exported file".
11. You should be able to browse to the new file and listen to it using Windows Media Player.

www.vikingelectronics.com

Phone... 715.386.8861

Due to the dynamic nature of the product design, the information contained in this document is subject to change without notice. Viking Electronics, and its affiliates and/or subsidiaries assume no responsibility for errors and omissions contained in this information. Revisions of this document or new editions of it may be issued to incorporate such changes.