



earBridge

High definition, world-language Ethernet Text to Speech Amplifier

Text information converted to human sounding speech. Real-time voice announcements

Seamless integration, simple operation.

- **Convert existing deployments of dynamic visual display data directly to voice.**
- **Ready to interface to single endpoint speakers or large paging systems.**
- **Over 25 international languages and voices supported.**
- **Standalone operation or use with TextSpeak NOTIFY! for audio zone expansion.**

The TTS-earBridge offers a complete Text to Speech platform with a high definition 25 W audio paging amplifier. Integrated ambient noise detection optionally allows a 12-20 db SPL ALC (Automatic Level Control) meeting customer demands for clarity in environments with dynamic noise activity. Typical deployments include transportation centers and military installations. Ethernet connectivity offers simple setup, management and control via UDP and TCP/IP packet data. Text to Speech generation includes support for dictionary management, in-line control codes and dynamic language and voice switching.

- Text to Speech supports up to 9 concurrent TTS languages or gender voices. Choose from over 24 voices.
- High Definition amplifier offers unparalleled intelligibility and direct drive for paging system speakers
- Highly integrated OS provides superior flexibility and support for remote upgrade and file transfers
- Seamless switching from TTS to/from user stored pre-recorded audio files using inline control codes
- Integrated command and control language, provides complete user control from remote locations
- Flexible power options permits powering from a wide voltage range of 9 to 24 volts
- Ambient noise sensing uses speakers to simplify installs. LEDs and terminal report real-time noise levels and volume.
- User definable power regulation permits 3, 8 and 25 watt operation to protect downstream speakers from overload
- Flash based, with upgradeable file transfer support and dictionary management
- Simple integration into EXISTING products. No special programming required.

Arabic Chinese Czech Danish Dutch English (UK) English (US) Finnish French (F) (B) (C)
German Greek Japanese Korean Italian Norwegian Polish Turkish Portuguese Russian Spanish (NA) (C) Swedish

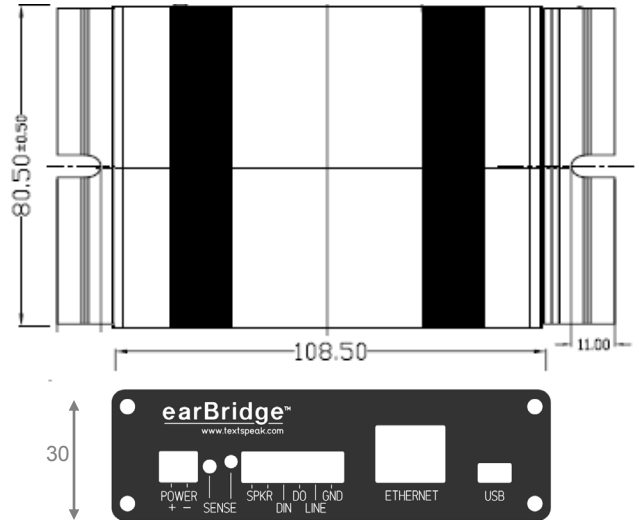
- Alarm & Security • Health Care • Signage to Audio • Machine Interfaces • Mass Notification • Industrial Status
• Transit Systems • Assistive Speech • ADA Compliance • Emergency Alert Systems

TextSpeak

SPECIFICATIONS

Model TTS-EB-ETH/ENC2
Languages supported: Arabic Chinese Czech Danish Dutch English (UK) English (US) Finnish French (F) (B) (C) German Greek Japanese Korean Italian Norwegian Polish Turkish Portuguese Russian Spanish (NA) (C) Swedish (*Contact us for latest list*)
Network Interface 10/100 Base-T Ethernet, Auto-MDIX
Control Network Protocols TCP/IP, UDP Broadcast
IP Address Assignment Static, DHCP
Prerecorded file support Protocol 16bit PCM/uLaw
Speaker Out Selectable 8/25 watt outputs 8ohms @ 1% THD
Line Out -10dbm Typical 1v p/p
Manual Volume Adjustment 10 steps 4db/step
Ambient Noise Detection 60-90db SPL
Automatic Level Control 12db/20 db selectable over 30db of Ambient noise
Expansion Bus USB for Flash Memory transfers
Power (Nominal) 12V (8 watt audio power out) 24 (25w audio power)
Remote Diagnostics Reporting Ethernet
Remote Programming Flash programmable via USB, Ethernet
Fault Management Short circuit speaker recovery fault detection
Connector I/O 3.81 MM DIN Plugables, RJ45, USB-B, 2.1MM power
Temperature -30~70 C (Operating), -40 C~85 C (Storage)
Size 141mm x84mm x 30mm **Weight** 230 g (8 oz)

DIMENSIONS



Command and Control

Operation and Sample Control Code

Basic TTS generation is SIMPLE.... Just send Text (ASCII) data and terminate with ENTER <CR> to generate speech.

[pTONE1.wav] Hello I can talk! <CR> and change volume, and languages on the fly! <CR>

This sample above demonstrates both spoken and non-spoken data with pre-recorded audio files.

Launch audio using TextSpeak NOTIFY!, TCP/IP, UDP or the integrated web browser shown to the right. Create on-the fly audio in 24 languages.

Active Voice	U.S. Premium Susan	
Select Phrases	<p>This is an emergency alert. Please shelter in place and follow protocol B. Attention. This building is closing in 5 minutes. Please move to the nearest exit. This is an emergency weather alert. Please move to the center of the building and</p>	Delete
Speak Phrase	<p>This is an all clear message. You may return to normal activities.</p>	<p>SPEAK</p> <p>Save</p>
Status	Speaking	BROADCAST ALL <input type="checkbox"/>

Integrated Web Browser for direct Text to Speech

TEXTSPEAK® EULA Text to Speech End User License Restrictions

The end user is licensed to use the TTS-EM for speech generation for real-time Text to Speech conversation and playback in a public place. The end user may not use the TTS-EM to record and/or save audio in stored files to be used to playback or broadcast in any public place.

TEXTSPEAK® PRODUCT FAMILY

Ethernet, WiFi, Cellular, Serial



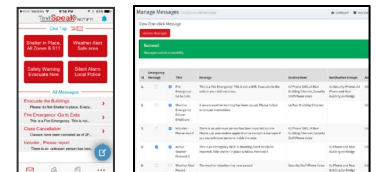
Modules for OEM



Flexible Add-Ins



Mobile and Cloud Applications



This document may contain advance information. Contact TextSpeak factory for technical specification before product design and/or use. Design and specifications are subject to change without notice. TextSpeak product designs are packaged by leading manufacturers around the world.

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