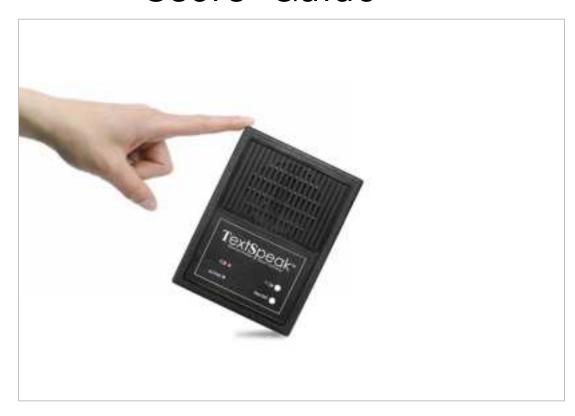
TextSpeakTM

Model TS-04 -W

Wireless Speech Keyboard System 2.0

Users' Guide







Overview

TextSpeakTM TS-04 text-to-speech speaker and wireless keyboard system instantly converts typed text to a natural sounding voice. The easy-to-use speaker/keyboard combination works right out of the box without setup, and speaks with an unlimited vocabulary.

- Easy to use AAC Augmentative Communication Device
- Just type to talk, use any speakerphone to talk over a phone line
- Nothing to learn, ready to work when you open the box!
- Programmable phrase storage using integrated FLASH memory
- Operates on AC wall adaptor or batteries
- Uses exclusive Digital Acoustics[®] technology

TS-04 SPEAKER
CONTROLS AND CONNECTIONS



LED Status Display

- On continuously
- Flashing quickly
- Flashing slowly
- Flashing very slowly

Active/Normal – waiting to Speak Synthesizing Speech Function key phrase recording in progress Battery "standby" operation

Power Modes and Battery Operation

AC Adapter Operation

A 9-volt AC power adaptor is supplied with the TS-04. AC powering permits you to leave the TS-04 on all the time and be ready to use instantly when you type on the keyboard.

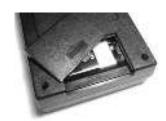
The wireless keyboard has a 10-foot range to enable portable typing across a room.



Portable/Battery Operation

Battery operation is enabled automatically if the AC power is not used or detected.

Press the **ON/OFF** button to control power in AC or battery modes



Smart powering modes: (Battery operation only)

Smart power management prolongs battery life and may provide weeks of usage before requiring a new battery in the speaker

- **Standby** When the keyboard is not used to generate speech for **Power** 3 minutes the TS-04 will enter Sleep Mode.
- Resume Press the space bar 2-4 times in quick succession to 'wake
 Power up the TS-04 from sleep mode.
- Auto Off After 10 minutes of inactivity the TS-04 will automatically turn off to conserve battery power. Pressing the "END" key will also turn the power off and may be used at any time.

NOTE: The TS-04 <u>keyboard</u> has automatic ON/OFF powering and extremely long battery life. Normal use requires battery replacement of 2 AAA batteries only once every 6-12 months. Refer to Appendix A to learn more about keyboard battery replacement.

Low Battery Indication:

When the low battery indicator is flashing change the 9 Volts Battery in the TS-04 or use external AC power.

Getting Started

TextSpeak TS-04 system includes 2 components, the speech generating speaker and a wireless keyboard. For normal operation, simply press the Power ON/OFF switch, type on the keyboard, press ENTER, and you're ready to start talking!



TS-04 Speaker TS-04 Keyboard

Step 1:

Connect AC Power or install a 9-volt battery



Step 2:

Press the white **On/Off** button on TS-04 Speaker for powering

Step 3:

Type on the keyboard **H e I I o** and **press <u>Enter</u>** to 'speak' your first word! Type other words or phrases, press <u>Enter</u> again, and you'll be typing and talking!

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Typing To Talk

To start using the TS-04 press the speaker Power ON/OFF switch, wait until the blue Active indicator is ON, and begin typing to talk. There is no ON/OFF switch for the keyboard. It powers on instantly every time you begin typing and powers off automatically.

To talk, type a word or phrase, then press the enter key.

If you make a mistake typing just press the backspace key to delete the last keypress entry (or words) while typing.



In normal operation TextSpeak waits to speak until after the **ENTER** key is pressed!

Advanced features such as auto-repeat, saving phrases, continuous speech generation and speaking over telephones are described below.

Using Function Keys to Say Phrases

Function keys can be used to store commonly used phrases. After programming, pressing any function key will speak the pre-programmed phrases.



A total of 32 phrases are available. F1 and F2 pre-allocated to special factory stored phrases. 30 other phrases are programmable.

F1 is pre-programmed to speak

"Hello, I cannot speak and will be using a speech synthesizer"

F1

F2 is pre-programmed to speak

F2

"Please be patient while I type responses"

F3 → F12

F3 to F12 are User Programmable

Function key phrases are recorded and saved to memory after the TS-04 is powered off.

"Alt" and "Control" key combinations may be used to store 20 additional phrases. Hold down (or press and release) the ALT or CTRL key, *then* press the desired Function Key (F3 to F12) to program recorded phrases.





Storing Speech Keyboard Phrases To Memory

Record a Keyboard

Step 1

Press Press the accent/tilde key

<u>Listen</u> Listen for the reply "Press F Key"



Step 2

Select Press the desired key by pressing F3 to F12

Wait for the confirmation of the key number to be spoken

Note: 10 phrases may be stored using F3 to F12. 20 additional phrases may be used by adding the ALT and CTRL key with keys F3 to F12. To program these press the Alt or CTRL key before the each function key.

Step 3

<u>Type Text</u> Type the text or phrase wish to record

Press ENTER Press the 'Enter' key to stop recording

<u>Listen</u> Listen for the audio reply "O.K.", indicating success

Step 4

Verify Press the function key to verify the phrase

- The ESC (Escape) key may be used to cancel a phrase recording sequence
- Saved phrases pressed sequentially will be spoken in order and combined.
- Phrases are saved in memory when power is removed.

SAMPLE PHRASES

| F3 | My name is John Russell, I live at 2, Main Street |
|----------|---|
| F7 | Please contact by brother at 203-820-1234 |
| CTRL+ F3 | Tomorrow |
| ALT+ F3 | I am OK, thanks |
| ALT+ F4 | I would like to eat |

ALT+ F5 I would like to call home

Speaking on a telephone line

You can use TextSpeak TS-04 to speak directly into a telephone using any standard speakerphone.

Simply place the TS-04 speaker near the phone and the distant caller will hear your typed phrases *loud and clear*.



Adjusting Volume and Speech Generation Speed



The Hi and Lo Switch on the TS-04 controls 2 levels of volume. If more adjustment is required press the keyboard Arrow Up and Arrow Down keys multiple times.

Talking Speed (time between each word) is adjustable in 4 steps. To slow down talking speed, press the Left Arrow multiple times. To speed up speech, press the Right Arrow multiple times. If you wish to save the settings as a power up default, refer to Appendix A.

Special Key control commands

| Enter | Enter | Press to speak a typed phrase (default mode) |
|------------|-------------|--|
| Pg Up | Page Up | Sentence Mode (speak when <i>Enter</i> is pressed) |
| Pg Dn | Page Down | Spelling Mode (speak every letter typed) |
| ~ ' | Program | (refer to "Storing Phrases' in previous section) |
| Esc | 'Escape' | Cancel current action |
| / | 'Slash' | Repeat last phrase |
| End | End | Power ff command |
| 1 | Arrow Down | Volume Down |
| \uparrow | Arrow Up | Volume Up |
| ← | Arrow Left | Slow down speech playback |
| → | Arrow Right | Speed up speech playback |

FUNCTION KEY WORKSHEET

| F1 | Hello, I cannot speak and will be using a |
|-----|---|
| F2 | Please be patient while I type responses |
| F3 | Available for saved phrases |
| F4 | Available for saved phrases |
| F5 | Available for saved phrases |
| F6 | Available for saved phrases |
| F7 | Available for saved phrases |
| F8 | Available for saved phrases |
| F9 | Available for saved phrases |
| F10 | Available for saved phrases |
| F11 | Available for saved phrases |
| F12 | Available for saved phrases |

"ALT" KEY + FUNCTION KEY COMBINATIONS

| ALT F3 | Available for saved phrases |
|---------|-----------------------------|
| ALT F4 | Available for saved phrases |
| ALT F5 | Available for saved phrases |
| ALT F6 | Available for saved phrases |
| ALT F7 | Available for saved phrases |
| ALT F8 | Available for saved phrases |
| ALT F9 | Available for saved phrases |
| ALT F10 | Available for saved phrases |
| ALT F11 | Available for saved phrases |
| ALT F12 | Available for saved phrases |

"CTRL" KEY + FUNCTION KEY COMBINATIONS

| CTRL F3 | Available for saved phrases |
|----------|-----------------------------|
| CTRL F4 | Available for saved phrases |
| CTRL F5 | Available for saved phrases |
| CTRL F6 | Available for saved phrases |
| CTRL F7 | Available for saved phrases |
| CTRL F8 | Available for saved phrases |
| CTRL F9 | Available for saved phrase |
| CTRL F10 | Available for saved phrases |
| CTRL F11 | Available for saved phrases |
| CTRL F12 | Available for saved phrases |

Appendix A Changing voice, language and settings

The TS-04 is capable of supporting 2 voice styles as well as English and Spanish languages. Selecting these may be made by entering a special "Setup Mode"

Pressing the 'CTRL' and "S" key enables "Setup Mode"



- Press "E" to alternate language between English and Spanish.

 (For Spanish, the "fi" key is mapped at the English ";" key)
- Press "V" to alternate voices between Female and Male.
- Press "F" to restore all original factory volume and voice settings.
- **Press "S"** to save settings. This stores the current voice and language setting in memory. The current selection of volume and speech rate will also be saved and used as the new power up default setting.

Appendix B Replacing Keyboard Batteries



When keyboard batteries are replaced wireless links must be restored for speech to be generated

Keyboard batteries should normally be replaced every year. However, when batteries are removed a special CONNECT process MUST be used to reactivate the keyboard link to the TS-04. *This process is ONLY needed for <u>KEYBOARD</u> batteries. The TS-04 9v main battery does not require this process.*

