

TextSpeakDesign

**TS-04 -W Wireless
Speech Keyboard
System 2.0**



TextSpeak TS-04 -W Wireless Speech Keyboard System 2.0 User Guide

[Home](#) » [TextSpeak](#) » TextSpeak TS-04 -W Wireless Speech Keyboard System 2.0 User Guide 

Contents

- 1 [TextSpeak TS-04 -W Wireless Speech Keyboard System 2.0](#)
- 2 [Product Usage Instructions](#)
- 3 [FAQ](#)
- 4 [Overview](#)
- 5 [LED Status Display](#)
- 6 [Power Modes and Battery Operation](#)
- 7 [Getting Started](#)
- 8 [Power Modes and Battery Operation](#)
- 9 [Typing To Talk](#)
- 10 [Speaking on a telephone line](#)
- 11 [Special Key control commands](#)
- 12 [FUNCTION KEY WORKSHEET](#)
- 13 [Appendix A Changing voice, language and settings](#)
- 14 [Appendix B Replacing Keyboard Batteries](#)
- 15 [Documents / Resources](#)
 - 15.1 [References](#)

TextSpeakDesign

TextSpeak TS-04 -W Wireless Speech Keyboard System 2.0



Specifications

- Model: TS-04-W
- Product: Wireless Speech Keyboard System 2.0
- Wireless keyboard with text-to-speech speaker
- Unlimited vocabulary support
- Power Input: 9V DC
- Power Modes: AC Adapter Operation, Portable/Battery Operation
- Wireless Keyboard Range: 10 feet

Product Usage Instructions

Power Modes and Battery Operation

AC Adapter Operation:

A 9-volt AC power adapter is supplied with the TS-04 for continuous use. Connect the AC power to leave the device on all the time and use it instantly with the keyboard.

Portable/Battery Operation:

If AC power is not detected, the device automatically switches to battery operation. Press the ON/OFF button to control power between AC and battery modes.

Smart Powering Modes:

- **Standby:** After 3 minutes of inactivity, the TS-04 enters Sleep Mode. Press the space bar multiple times to wake it up.
- **Auto Off:** After 10 minutes of inactivity, the TS-04 will turn off automatically to save battery power. Pressing the END key will also turn off the power.

Getting Started

The TS-04 system includes a speech-generating speaker and a wireless keyboard.

Step 1: Connect AC Power or install a 9-volt battery.

Step 2: Press the white On/Off button on TS-04 Speaker to power on.

Step 3: Type on the keyboard, press ENTER to speak your words.

FAQ

Low Battery Indication:

If the low battery indicator is flashing, change the 9V battery in the TS-04 or use external AC power.

Battery Replacement:

The keyboard requires 2 AAA batteries and needs replacement only once every 6-12 months under normal use.

Overview

TextSpeak™ 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

External
Keyboard
Connector
(Model TS-04K)

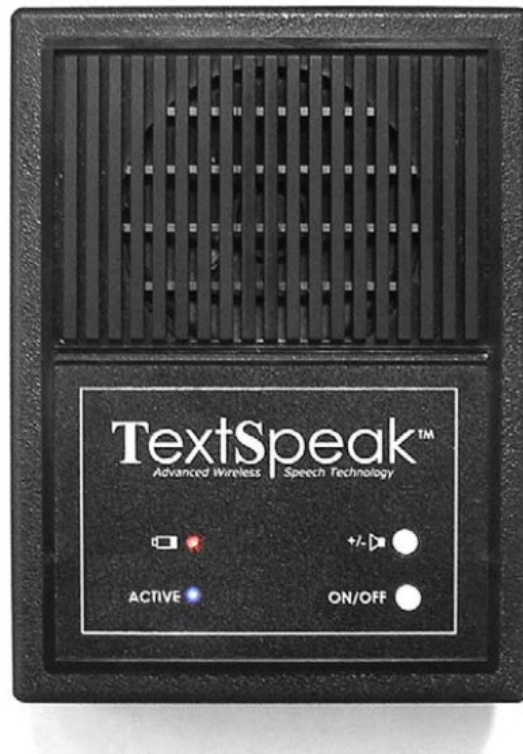
Low Battery
Indicator

On Off
Indicator

Power
Connector
(9 volt DC)

Hi/Lo Volume
Select

On/Off
Switch



LED Status Display

- On continuously Active/Normal – waiting to Speak
- Flashing quickly Synthesizing Speech
- Flashing slowly Function key phrase recording in progress
- Flashing very slowly Battery “standby” operation

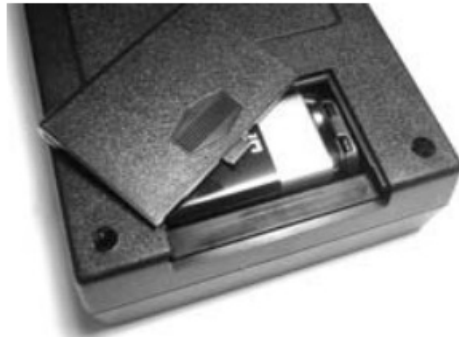
Power Modes and Battery Operation

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 keyboard 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

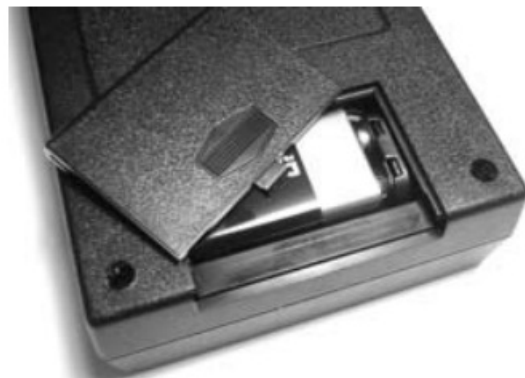
TextSpeak TS-04 system includes 2 components, the speech-generating speaker and a wireless keyboard. For normal operation, simply press the Power ON/OFF switch, type on the keyboard, press ENTER , and you're ready to start talking!



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 l l o and press Enter to 'speak' your first word! Type other words or phrases, press Enter again, and you'll be typing and talking

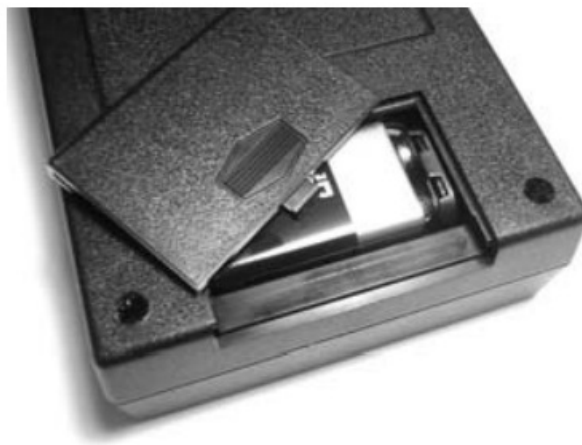
Power Modes and Battery Operation

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 keyboard 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.

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

- “Please be patient while I type responses”

F2

- F3 to F12 are User Programmable

F3



F12

- 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.



F6



F9

Storing Speech Keyboard Phrases To Memory



Record a Keyboard

- **Step 1**

- Press the accent/tilde key
- Listen for the reply "Press F Key"

- **Step 2**

- Select 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**

- Type the text or phrase wish to record
- Press ENTER Press the 'Enter' key to stop recording
- 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

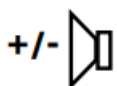
- F3 My name is John Russell, I live at 2, Main Street
- F7 Please contact my brother at [203-820-1234](tel:203-820-1234)
- CTRL+F3 Tomorrow
- ALT+F3 I am OK, thanks
- ALT+F4 I would like to eat
- ALT+F5 I would like to call home

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

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

FUNCTION KEY WORKSHEET

F1	<i>Hello, I cannot speak and will be using a</i>
F2	<i>Please be patient while I type responses</i>
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 phras 7	
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 “ñ” key is mapped at the English “,” key)
-  Press “V” to alternate voices between Female and Male.

- **F** Press “F” to restore all original factory volume and voice settings.
- **S** 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 **KEYBOARD** batteries. The TS-04 9v main battery does not require this process.



Step 1

Locate the 2 AAA keyboard batteries
Locate position of “CONNECT” button



Step 2

Depress **BOTH** ON/OFF **and** SPEAKER buttons **simultaneously** for 2 seconds


Wait for Speech Audio phrase
“Press Keyboard Connect Now”



Step 3

Press the red CONNECT button on the underside of the keyboard.
(Location is next to the battery compartment)

Documents / Resources

	<p>TextSpeak TS-04 -W Wireless Speech Keyboard System 2.0 [pdf] User Guide TS-04K, TS-04 -W Wireless Speech Keyboard System 2.0, TS-04 -W, Wireless Speech Keyboard System 2.0, Speech Keyboard System 2.0, Keyboard System 2.0, System 2.0</p>
---	---

References

- [User Manual](#)

Manuals+. Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.