The world’s first AAC speech generator in a 4” x 5” package

- Wirelessly connects to keyboards and generates unlimited vocabulary speech
- Wireless keyboard included. Optionally supports most standard and special needs keyboards
- A perfect on-the-go AAC solution. Instant on, no setup, low cost and simple to use.
- Works with telephones
- Light and portable. AC and Battery powered
- Supports English and Spanish in both Male and Female voices

Unlimited vocabulary
Talks as you type
No PC required!

- Intelligent text generating speaker and keyboard combo creates speech anywhere, right at your fingertips
- Great for students who need unlimited vocabulary
- Works without a computer
- Speech generating using DSP based Text to Speech
- Works right out of the box
- 30 programmable phrases

Perfect for classrooms
Simple child learning tool
Easy to use
Completely portable
Available in 2 voices

Incorporates advanced Digital Acoustics® technology, created and built by TextSpeak Design Group, U.S.A
TECHNICAL SPECIFICATIONS

What's In The Box?
- TextSpeak TS-04 Speech Generating Speaker
- TextSpeak wireless keyboard
- Power transformer for DC operation
- Batteries
- Warranty information (1 year)
- Instruction manual

Price breakthrough! Speech generation with groundbreaking opportunity for ownership. Prices starting below $500

MODELS AND PURCHASE OPTIONS

Ordering Information:
- TS-04-W Speaker and wireless keyboard
- TS-04-LK Speaker and wired Large Key keyboard
- TS-04-NK Speaker without keyboard

Contact us: Tel (203) 557-0222 Fax: (866) 408-4937
sales@textspeak.com

Size and Weight
- TS-04 Speech Generating Speaker and with wireless receiver
  - L: 5.3 inches W: 4.0 inches H: 1.5 inches W: 10 oz
- TS-04 Wireless Keyboard
  - L: 13 inches W: 7 inches H: 1.2 inches W: 1 lb 2 oz

Power and Battery
Speaker Operation
- 9 Volt AC Adaptor
- Battery 9V Alkaline MN1604 or equiv
- Battery Life based normal use; 80 hours

Keyboard Operation
- Auto Power On/Off
- Battery 2 AAA Alkaline
- Battery Life based normal use; 6-12 months

Keyboard Access
- Wireless standard key, compact keyboard, 10 foot range
- Wired interface accepts PS/2 and USB PC compatible keyboards

What's In The Box?

- TextSpeak TS-04 Speech Generating Speaker
- TextSpeak wireless keyboard
- Power transformer for DC operation
- Batteries
- Warranty information (1 year)
- Instruction manual

Price breakthrough! Speech generation with groundbreaking opportunity for ownership. Prices starting below $500

ORDERING INFORMATION

TS-04-W Speaker and wireless keyboard
TS-04-LK Speaker and wired Large Key keyboard
TS-04-NK Speaker without keyboard

Contact us:
Tel (203) 557-0222 Fax: (866) 408-4937
sales@textspeak.com

SIZE AND WEIGHT

TS-04 Speech Generating Speaker and with wireless receiver
- L: 5.3 inches W: 4.0 inches H: 1.5 inches W: 10 oz

TS-04 Wireless Keyboard
- L: 13 inches W: 7 inches H: 1.2 inches W: 1 lb 2 oz

POWER AND BATTERY

Speaker Operation
- 9 Volt AC Adaptor
- Battery 9V Alkaline MN1604 or equiv
- Battery Life based normal use; 80 hours

Keyboard Operation
- Auto Power On/Off
- Battery 2 AAA Alkaline
- Battery Life based normal use; 6-12 months

Keyboard Access
- Wireless standard key, compact keyboard, 10 foot range
- Wired interface accepts PS/2 and USB PC compatible keyboards

TECHNICAL – HOW THE TS-04 WORKS

- Unlimited Phoneme Based Word creation
- Real time conversion for continuous text generation
- English dictionary modeled for male and female speech

The TS-04 Speaker performs text-to-speech synthesis based on concatenative samples. The units for sampling can vary from whole words down to phoneme markers. A corpus of pre-recorded words is stored in onboard Flash memory using patented multilevel storage (MLS) memory and a mapping of the various sub-word parts is held in a lookup table. The speech creation concatenates speech elements to produce words. Speech may be generated in real time, with unlimited vocabulary. Speed and volume generation are keyboard controlled after power-up.

The system process flow includes data reception, text normalization, phoneme mapping, MLS, memory and audio D/A conversion.

TS-04 Keyboard/Speaker radio links utilize 2.4 GHZ channel hopping transceivers. External keyboards are interfaced via auto-detecting PS/2 or USB keyboard connectors.

OPERATION AND FEATURE SUMMARY

- 24 mHz Flash based DSP processor with integrated codec
- 2KB Flash hold 30 Item Index of 60 characters each for phrase storage
- Sleep mode power use below 150 mW

Smart Power management supports long battery life and simple operation

Generates speech as you continuously type, every time you press enter, or after every word

Up to 30 phrases may be pre-programmed. Internet entry pre-shipment setup programming is available

Telephone conversations are easy to manage with any standard speakerphone

TS-04 includes a mini ‘full-size’ wireless keyboard, ready to use right out of the box!

TS04 series accepts standard and specialty wired keyboards compatible with PC or MAC via PS/2 or USB

Digital Acoustics Corporation Textspeak Design Group, Westport, CT 06880 Tel (203) 803-1069 Fax (866) 408-4937

TextSpeak Design Group is a division of Digital Acoustics Corporation. Digital Acoustics is a registered trademark of Digital Acoustics Corporation. Contact factory for technical specification before product design integration and/or use. Design and specification are subject to change without notice.

©2012 TS04D-5S1110-01