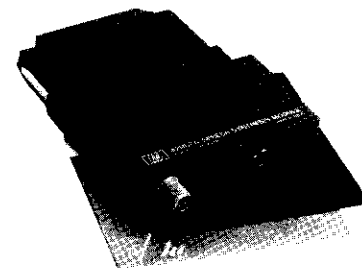


Hewlett-Packard Series 80 Speech Synthesis Module



HP 82967A Speech Synthesis Module

At last there is a voice product that features high-quality *human-sounding* speech output at low cost! The HP 82967A Speech Synthesis Module will pleasantly surprise you with its voice quality, plug-in module package, and large vocabulary consisting of over 1,500 words, phrases, and sounds.

Operation

It's easy to create, store, and invoke speech with any Series 80 personal computer. The Speech Synthesis Module has two types of output jacks for configuration flexibility, and speaks through any standard 8-ohm speaker or headphone set. It even has a volume control knob.

You can create speech simply by slipping the module directly into a backplane slot of an HP-86 when used with either an HP 82913A or HP 82912A monitor, because the monitor includes a built-in speaker.

Custom or foreign vocabularies can be obtained at additional cost (see ordering information in the Owner's Manual Supplement which is included with the module).

Customer Support

Services Available:

- HP Dealer Repair Center (check with dealer for availability)
- On-site service at your location
- HP Field Repair Center
- Phone-in support
- User newsletter

Ordering Information

HP Part Number:

- HP 82967A

Product Includes:

- Speech Synthesis Module
- Owner's Manual
- Owner's Manual Supplement
- 3½" and 5¼" Disc Media

Features

- High-quality Speech Output
- Plug-in Module Package
- Speech Software
- Two Types of Output Jacks

Benefits

Is easy to understand—Gives you clear, *human-sounding* speech output.

Saves money—Eliminates the need for an external power supply, interfaces, and cables.

Helps you create the speech you need—Makes it easy to add speech output to your applications, because Binaries and a Speech Editor utility are provided.

Add configuration flexibility—Let you use either external headphones or speakers, or the internal speaker in an HP 82912A or HP 82913A monitor for speech output.

Specifications

SYSTEM REQUIREMENTS

- Computer:
 - HP-85, HP-86, or HP-87
- Memory:
 - 32K Total RAM (for HP-85)
- Peripherals:
 - HP Disc Drive
- Enhancements:
 - 00085-15001 Mass Storage ROM (for HP-85A)
 - HP 82936A ROM Drawer (for HP-85A)
 - HP 82937A HP-IB Interface (for HP-85)
- Other:
 - Audio connector with RCA phono plug on each end (for HP-86, when using HP 82912A or HP 82913A speaker for output; HP part number 8120-3760 suggested)
 - Output speaker or headphones (eight ohms) equipped with either a 1/4" or RCA phono plug (for HP-85/87, and for HP-86 if *not* using HP 82912A or HP 82913A speaker for output)

SPEECH

High-quality LPC (Linear Predictive Coding) speech output
Sampling rate 8 kHz
Bit rate 1,200 to 2,000 bits/sec

VOCABULARY

Approximately 1,500 words, phrases, and sounds
Disc based

SPEECH EDITOR

Allows custom phrase construction from existing vocabulary elements.

VOLUME

16-level program or keyboard controlled volume
Manual volume control knob

AUDIO OUTPUT

0.22 watts to 8 ohms
Compatible with HP-86 monitor audio speaker

DIMENSIONS 16.5 × 12.7 × 3.2 cm
(6.6 × 5.0 × 1.3 in.)

OPERATING REQUIREMENTS

Operating temperature 0° to 55°C
(32° to 131°F)

Storage temperature –40° to 65°C
(–40° to 150°F)

JACKS

The following jacks may be used:
RCA
¼" phono

STATEMENTS AND FUNCTIONS

Binary Commands

SVOL—Allows volume to be set from the keyboard.

SPEAK—Outputs speech through the HP 82967A Speech Synthesis Module.

DLOAD#—Loads dictionary files from mass storage.

PAR\$—Returns speech parameters for a given word.

LOC—Locates record number of word from mass storage.