PRODUCT INFORMATION SHEET

Start-Stop® Ultra Hands-Free Wireless Dictation System

Dictate Hands-Free and Untethered With Digital Clarity without a PC in the Area

HTH Engineering, Inc. is proud to present the **Start-Stop® Ultra Hands-Free Wireless Dictation System**.

It's the perfect tool for Pathology and Surgical dictation with convenient, un-tethered, hands-free operation

•Waterproof Pedal

•Clear, secure digital wireless dictation with 60-foot range

•No need for PC in Grossing/Surgery Area

•Near-instant download of dictation to any transcriptionist (local or via internet) by flipping a single waterproof toggle switch, using the optional COMM download kit.

•Up to 16 simultaneous users can work in the same lab area, each with their own dedicated talk/listen/review audio channel

•Recording Electronics can be shielded from liquids and covered while COMM Download system transfers dictation out of the lab

HTH ENGINEERING, INC.

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Ultra Hands-Free Components

Microphone/Earpiece
Operate for up to 8 hours on a single charge

Optional COMM Download Kit
includes Qty 2 USB/Ethernet Converters (1 pair), Qty 1 Waterproof Dictate/Download Switch, Qty 1 USB Powered Hub (modified-special).

The Optional COMM Download Kit **allows Hands-Free Olympus Recorders to remain in their cradles without having to remove them for download.**

Download happens near-instantly and automatically from the dictation workstation to the PC in the next room, whenever you flip the waterproof toggle switch from Dictate to Download.

With the use of the COMM Download Kit, **the Start-Stop Ultra Hands-Free System can be waterproofed or shielded with plastic, as there is no need to ever remove the recorder from its cradle.**

Requires only Cat5 or Cat6 ordinary ethernet cable from the workstation, up to 130 feet away from the receiving PC that's running Olympus DSS Player software.

Ultra Hands-Free Features

•**Total freedom and crystal clear audio for speaking and listening to your own dictation**

•**No PC required in the grossing/lab area (can be in another room)**

•**Only 1 PC required for handling dictation downloads/transfers from up to 16 users**

•**Integrated with Olympus DS-5000 Digital Professional recorder for later download/transfer to our** Start Stop Universal Transcription **system**

•**Crisp, Digitally encrypted speech capture, up to 16 separate wireless workstations in the same area without interference.**

•**Plug the equipment in, and start dictating, in about 15 minutes without complicated setup**
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•**Scalable approach - add workstations whenever and where ever you want, with no centralized system constraints**

•**Totally Hands Free two-way audio with RevoLabs Wireless Digital encrypted lanyard microphone and lightweight earphone for listening to dictation, and foot pedal for control.**

•**Foot pedal on floor plugs into Olympus DS-5000 to control Record/Pause, Rewind/Listen, and Save dictation functions. Continuous AC power, with internal backup NiMH insures reliable recording**

•**Noise Cancelling microphone with user's choice of clip-on or lanyard**
•**Comfortable, lightweight earpiece covers one ear, with in-line volume control**

TECHNICAL SPECIFICATIONS - Revo Labs Microphone

Dimensions, (L, W, H) and Weight	Single Channel Charger Base 3.9" (10 cm) x 2.4" (6 cm) x 1.0" (2.56 cm), 0.5 lb Wearable Microphone: 0.9" (2.3 cm) x 0.8" (2.0 cm) x 2.6" (6.6 cm), 0.05 lb Microphone: 1.5" (3.8 cm) x 0.8" (2.0 cm) x 3.3" (8.4 cm), 0.05 lb XLR Adapter: 0.9" (2.3 cm) x 0.8" (2.0 cm) x 4.0" (10.2 cm), 0.05 lb (0.02 kg)
Radio Frequency	02-DSKSYS - 1.92 to 1.93 GHz (UPCS North America) 04-DSKSYSEU - 1.88 to 1.90 GHz (DECT EU)
Connectors	Single Channel Charger Base Power - 5VDC, proprietary 0.7mm connector Mini USB - 5 pin connector, USB 2.0 Audio unbalanced In/Out - 2.5mm Tip: Audio Out (line level, 0dBV) Ring: Audio In (line level, 0dBV) Shield: GND Wireless Microphone Power - proprietary 4 pin connector Audio - 2.5mm mono audio
Microphone patterns	Executive unidirectional - cardioid. TableTop omni-directional and uni-directional available.
Power Requirements	Power Adapter 110 - 240VAC, 50-60Hz to 5VDC, 300mA
Battery	Lithium Polymer, up to 8 hours talk time
Charge Time	2.0 hours approx
Range	65' (20 meters) approx. (no obstructions)
Audio Bandwidth	100-7000 Hz
Encryption	128-bit DSAA (DECT Standard Authentication Algorithm) authentication, 64 bit DECT Standard Cipher
Environmental Requirements	Temperature 40F to 105F (5C to 40C) operating Humidity 20% to 85%

Technical Specifications

Recording Format	DS2 - Digital recording in accordance Digital Speech Standard Pro.
Recording Media	microSD, SD-Card: 512 MB to 8 GB *With included 512MB microSD*
Recording Time (512 MB card)	QP mode: 39 hours, 45 minutes SP mode: 79 hours, 30 minutes
Device Lock Function	Authentication via password and finger print {DS-5000iD}
Input Level	-70 dB. * Compare to the Olympus DS-4000!
LCD	Yes
LED	Large LED Menu
Folders / Messages	5 folders with up to 200 files per folder. When using DSS Player Pro Software, up to 7 folders with 200 files per folder can be created. (Alarm Messages can be set.)
Sampling Frequency	QP mode: 16 kHz. (Quality Play) SP mode: 12 kHz. (Standard Play)
Overall Frequency Response	QP mode: 200 to 7,000 Hz. SP mode: 200 to 5,000 Hz.
LP Mode	No
Voice Activation	Yes VCVA
Mic Sensitivity	Conference or Dictation
Practical Maximum Output	(3 V DC) 250 mW or more (8 Ω speaker).
Write Protection	Yes
Power Save Mode	Set time to: [5 min], [10 min], [30 min], [1 hr], or [OFF]
Language Support	English, French, and Spanish
Speaker	Built-in 23 mm round dynamic speaker.
Microphone Jack	3.5 mm mini-jack, impedance 2 k Ω.
Earphone Jack	3.5 mm mini-jack, impedance 8 Ω.
Power Supply	Model A513, Rated voltage: 5 V DC. (Allowable voltage: 4.6 to 5.5 V)
Batteries	Ni-MH Rechargeable Battery Pack (BR403), or **Two (2) AAA** batteries (LR03 or R03) or Two (2) Ni-MH rechargeable batteries (BR401) Full charge time: Approximately 3 hours.
Size	113.5mm x 50.0mm x 17mm (without protrusions)
Weight	110 g (including Ni-MH rechargeable battery pack (BR403)
Operating Systems Supported	Windows 2000 / XP / Vista MAC OS 10.3.9 - 10.5 (MAC version does not support voice recognition software.)
CPU	500 MHz processor for Windows 2000 / XP 800 MHz processor for Windows Vista PowerPC G3 MAC
RAM	128 MB for Windows 2000 / XP 512MB for Windows Vista 512 MB MAC
Sound Board	Compatible Sound Card is necessary
Video Card and Display	N/A
Removable Drive	N/A
USB Port	USB 2.0 High Speed data transmission supported. One or more free USB 1.0 or 2.0 ports needed.

Hardware and Options

Deluxe System #39338

▸ **Revolabs Solo™ Single Channel Wireless Microphone System (Details)**
  - Internal lithium polymer battery
  - Revolabs Digital Receiver Base Unit
  - Optional lanyard
▸ **HTH Engineering Attenuation Adapter**
▸ **Olympus DS-5000 Professional Digital Recorder**
  - Removable 512MB microSD Card™
  - CR10 Multi-function cradle/docking station
  - DC-A7 AC Adapter
  - BR402 Ni-MH rechargeable battery pack
  - USB Cable
  - DSS Player Pro Dictation Software
  - User Manual
  - Quick Reference Guide

Waterproof 3-pedal Assembly

COMM Download Kit Qty 2 USB/Ethernet Converters (1 pair), Qty 1 Waterproof Dictate/Download Switch, Qty 1 USB Powered Hub (modified-special).

Complete System with COMM Download Option

Hardware and Options

Basic System #39337

▸ **Revolabs Solo™ Single Channel Wireless Microphone System**
(Details)
- o Internal lithium polymer battery
- o Revolabs Digital Receiver Base Unit
- o Optional lanyard

▸ **HTH Engineering Attenuation Adapter**

▸ **Olympus DS-5000 Professional Digital Recorder**
- o Removable 512MB microSD Card™
- o CR10 Multi-function cradle/docking station
- o DC-A7 AC Adapter
- o BR402 Ni-MH rechargeable battery pack
- o USB Cable
- o DSS Player Pro Dictation Software
- o User Manual
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Waterproof 3-pedal Assembly