

User Manual for the Standard 2-in-1 TableMike™ Desktop Microphone: *Professional Voice recording and Speech recognition - TBMK01*

1. INTRODUCTION

Thank you for your purchase of the *Standard 2-in-1 TableMike™* (ref. TBMK01), the **entry-level unit** of SpeechWare (www.speechware.be) **award-winning TableMike™** family of Desktop microphones for professional Voice recording and Speech recognition. Its main features, at a glance, are:

- Dictate to NaturallySpeaking® **without wearing anything or being physically tethered** to your PC
- **Superior sound quality** for Voice recording and Speech recognition, matching or exceeding the finest Headsets or Desktop Array microphones available in the market, for best output with NaturallySpeaking®
- Shotgun, highly unidirectional, **Desktop Array back electret condenser microphone (2 capsules!)**
- **Extra long and versatile 50 cm (20 inches) long adjustable boom** to dictate even standing up
- **Built-in amplifier for far away positioning (15 to 30 cm / 6 to 12 inches** or more depending on the quality of your PC Soundcard and your voice), powered by 2 AA batteries
- **Noise cancelling** technology that filters out some background noise
- **Professional XLR and Gold, non corrosive**, audio connectors and **shielded cable**, to avoid interferences
- **Indicator light ring** around the boom to show status

The *TableMike™* has been officially certified with a top "**5 Dragons**" by Nuance and is **publicly recommended as the finest microphone for Dragon NaturallySpeaking® in its category** (Desktop/handheld microphones) at: <http://support.nuance.com/compatibility/default.asp>

Notice that one "Dragon" difference between any device **indicates a 7.5% increase/decrease in word error rate**, according to the stringent and objective testing procedures of Nuance. Other certifications by leading companies are in process now.

Use any *TableMike™* model for **recording your voice** (with virtually any good digital recording application of your choice) and Batch transcribe the file(s) with our **also unique Transcription Aid® for Dragon NaturallySpeaking®** (download demo from <http://transcriptionaid.net/download/index.php>). You will get **one of the most performing, low-cost, integrated and simple to set up and use Digital recording and Speech recognition systems available**.

Transcription Aid® also allows for easy transferring of the correction of automatic transcriptions to the secretary, **while improving the dictating User Speech Files for further accuracy**. In this simple way, **any professional can concentrate on what she or he is most productive at (dictation)**, while transferring all other "painful" tasks usually associated with Speech recognition (Batch processing and correction of transcriptions, improvement of Speech Files, formatting, etc.) to the secretary!

2. TECHNICAL DETAILS

The *TableMike™* family of Desktop microphones for professional Voice recording and Speech recognition share the same **Shotgun, extremely high quality and unidirectional back electret condenser microphone capsules**. However, the *Standard 2-in-1* have a **couple of capsules on its long tip --an industry first!** The capsules are **powered by a small voltage amplifier and noise cancelling electronic device, guaranteeing outstanding performance** when running the *Dragon NaturallySpeaking® "Audio Setup Wizard"* (click "*Tools*", "*Accuracy Center...*" and then "*Checking your audio settings*").

In practice, if your PC has a good internal soundcard, you should be able to get **about 25 dB or more Signal-to-Noise ratio** when properly running the aforementioned "*Audio Setup Wizard*" (**it is VERY important not to read the punctuation signs and make a 3 to 5 seconds pause in silence each time, instead**) with the *TableMike™*, at a distance of **(15 to 30 cm / 6 to 12 inches** or more depending on the quality of your PC Soundcard and your voice). **This matches or exceeds the performance of the finest available** (much more

expensive) **Headset and Desktop array microphones** and could be considered as an **industry first for a Desktop microphone!**

Otherwise, when your internal PC Soundcard is not good enough or you want to use more than one PC with the same set of User Speech Files, you should consider the *USB 6-in-1 TableMike™* (<http://www.speechware.be/en/hardwareTableMike.php>). This device features, among many other things: an adjustable amplifier with a sensitivity knob, integrated speaker, one self powered (no need of batteries) USB card acoustically matched with the microphone capsule (replacing your internal Soundcard when connected) for best possible digital sound output, as well as an external Foot (or Hand) Switcher for hands-free operation --several industry firsts!

Specifications

Capsule(s): Shotgun, Desktop Array and noise cancelling back electret condenser with built-in amplifier (2 units on the tip!)

Polar pattern: Highly unidirectional cardioid

Noise cancelling: > 25dB

Sensitivity: -27dB (1V/Pa at 1 KHz) or better

Output Impedance: 150 Ohms

Power supply: 2 AA x 1.5 V batteries (alkalines or rechargeables)

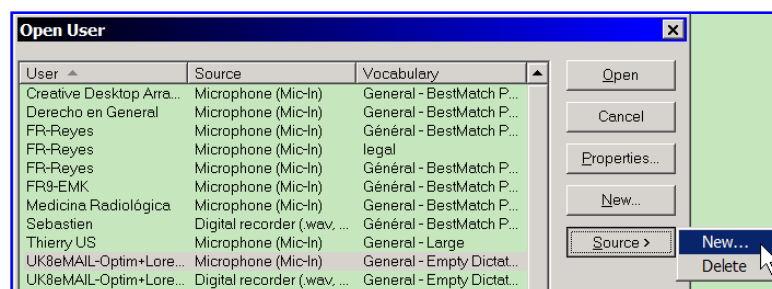
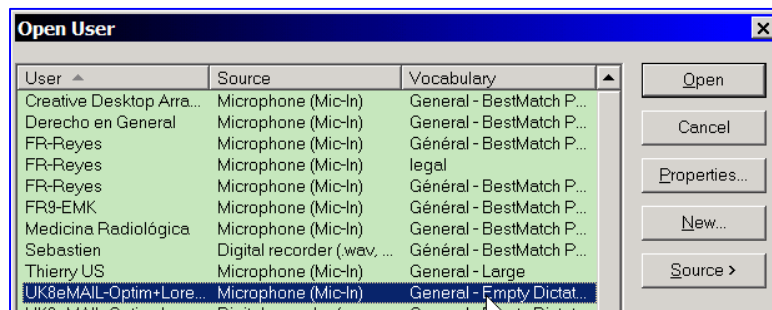
Ideal dictating distance (depending on the quality of your internal PC Soundcard and your voice): 15 to 30 cm (6 to 12) or even further away

3. OPERATING INSTRUCTIONS

Insert the boom on the base of the *Standard 2-in-1 TableMike™* and secure it firmly. Insert also 2 AA x 1.5V batteries (alkalines or rechargeables) with the correct polarity in the base of the microphone. Connect the gold, non corrosive, audio jack to your PC soundcard microphone port. This port is normally colored red. **Push it to make sure that it makes perfect contact.** Optionally, if you want to place the microphone at a much shorter than the recommended 15 to 30 cm (6 to 12 inches) distance, use the windshield included in the box to avoid popping. Press the button in the base, to switch On and Off the microphone, and:

a) Either create a Dragon "New User" from scratch, choosing "Microphone plugged into Mic-in jack (most common)" as "Dictation source" in the "New User Wizard" window of Dragon NaturallySpeaking®...

b) Or generate a "New Acoustic Source" for an existing User with the same "Microphone plugged into Mic-in jack (most common)" setting (Click "Open User..." in the "NaturallySpeaking" menu and then select the existing User. Click "Source >", "New..." in the second window):



c) In both cases, you are supposed to **calibrate and train** the Speech files for maximum accuracy. It is **VERY important** not to read the punctuation signs and make a 3 to 5 seconds pause of silence instead, when you read aloud the calibration texts during the "Audio Setup Wizard" procedure.

If you also want to use the *Standard 2-in-1 TableMike™* as **an outstanding voice recording device and instead of an expensive digital recorder**, get any recording application for your PC and save your recording in a common sound format (for instance, Wav, MP3, WMA) providing at least 16 bits, 11,025 Hz, mono. Open *Transcription Aid®* and your User Speech Files, previously adapted for the *TableMike™*, and click "*Transcribe Recording*". Then, choose between:

- either "*Individual transcription with active User/Author...*", "*Other types of recorders (or recordings)*"
- or "*Batch transcription with different User/Author...*"

Follow the instructions and **your voice recordings will be automatically transcribed** by *Transcription Aid®* - *Dragon NaturallySpeaking®* with great accuracy! **Is that incredibly easy!** You can **download a fully functional during 20 days demo** of *Transcription Aid®* from: <http://transcriptionaid.net/download/index.php>

Enjoy your purchase and check also our **award winning, FlexyMike Single Ear microphones (with optional USB sound card and wireless Bluetooth modules) to dictate outside of your office:**
<http://www.speechware.be/en/hardwareFlexyMike.php>

Certification of the former USB model sharing the same microphone capsule

The screenshot shows the Nuance website's "Hardware Compatibility List" page. The page features a navigation menu with links for Company, News, Products, Industries, Support, Partners, International, Contact, and Store. The main content area is titled "SUPPORT Hardware Compatibility List" and includes a sidebar with "Support" options like Overview, Phone Technical Support, E-mail Technical Support, and Free Online Support. The main content area displays an "Evaluation Report" for the "USB 3-in-1 TableMike" device, which is certified by Nuance. The report includes details such as the manufacturer (Speech Recognition Ware), model, device category (Desktop Microphones), accuracy scale (6 Dragons), and compatibility category (Nuance Certified). The summary section provides a date tested (Version 9 - 7/06) and a detailed description of the device's features and performance, including its unidirectional design, USB interface, and recording capabilities. A note at the bottom of the report provides instructions for setting up the device in the Audio Setup Wizard.

Evaluation Report	
Manufacturer:	Speech Recognition Ware (Phone: +32 2 733 1687 / 32 2 733 1688)
Model:	USB 3-in-1 TableMike
Device Category:	Desktop Microphones
Accuracy Scale Dragon Score:	★★★★★
Compatibility Category:	Nuance Certified
Summary:	Date tested: Version 9 - 7/06 High-quality unidirectional desktop microphone Off-the-head solution, USB interface, Plug and Play Flexible boom with light indicator when either the microphone element or a recording operation (with the bundle DictaMail software) is ON. Microphone ON/OFF switch and Push to Talk buttons integrated in the microphone stand. Sensitivity gain control knob and jack to connect speakers on the back of the stand. Optimal performance: Gain control turned off, distance 4 inches = 10cm Device allows digital audio file capture/recording for deferred adaptation/transcription in conjunction with the DictaMail and TranscriptionAid applications from Speech Recognition Ware (www.transcriptionaid.net). Digital Recordings in High Quality recording format (WAV): 6 Dragons (mobile enrollment) Digital Recordings in Standard Quality recording format (MP3): 5 Dragons (mobile enrollment) Note: 1. Select USB Audio Codec as the sound and audio device in the Audio Setup Wizard 2. Ignore the Audio Setup Wizard error that DNS cannot control the volume on the computer. Please click OK and continue, system is fully operational.