

USB 6-in-1 TableMike™ Desktop Microphone (TBMK02)

Shotgun Highly Unidirectional, Back Electret Condenser Microphone with Integrated USB Card, Foot or Hand Switch and Stereo Earphones

Product presentation and Quick Installation Guidelines

1. INTRODUCTION

Thank you for your purchase of the *USB 6-in-1 TableMike™* (ref. TBMK02), the **higher-level unit** of our **award-winning TableMike™** family of Desktop mics. USB "6-in-1" stands for:

- a) Built-in USB interface
- b) Foot pedal control or switch (optional)
- c) Built-in Speaker for Voice over IP (VoIP)
- d) Voice Recording (needs specific application)
- e) Speech Recognition (needs application, i.e. Dragon NaturallySpeaking®)
- f) Music (built-in audio port and bundled Stereo earphones).

Its main features, at a glance, are:

- Dictate **without wearing anything or being physically tethered** to your PC
- Shotgun, **highly unidirectional** back electret condenser microphone
- **Superior sound quality** for Voice recording and Speech recognition, matching or exceeding the finest Headsets or Desktop Array microphones available in the market
- **Built-in mic amplifier with Volume control in the back of the unit** for far away positioning (15 to 30 cm / 6 to 12 inches or more)
- **Integrated high quality Speaker with Volume control** (+ and -) buttons built conveniently into the base, supporting **full duplex communication for good VoIP**
- Microphone **push-lock and push-to-talk buttons** in the base
- **Noise cancelling** technology that filters out background noise
- **Gold, non corrosive**, 3.5 mm audio jack connection
- **Audio output** to connect Stereo bundled headsets, for privacy
- Versatile 35 cm (14 inches) **long adjustable boom** to dictate standing up
- **Indicator light ring** around the boom to show status
- **Optional foot pedal** or switch, ideal for handicapped people or the medical profession

Besides, the *TableMike™* microphone element 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 www.transcriptionaid.net). You will get **one of the most performing, low-cost 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 a secretary, **while improving the dictating User Speech Files for further accuracy**. In this simple way, **any professional can concentrate on what she/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 a 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**. The capsule is **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, you should be able to get **about 22 dB or more** when properly running the **mentioned "Audio Setup Wizard"** (do not read the punctuation signs and make a 2 to 3 seconds pause in silence each time instead) with the *TableMike*[™], at a distance of **15 to 30 cm (6 to 12 inches) or even further away** (depending on the calibration of the built-in mic amplifier and your voice). This matches or exceeds the **performance of the finest available** (much more expensive) **Headset and Desktop array microphones!**

Specifications

Capsule: Shotgun noise cancelling back electret condenser with built-in amplifier
Polar pattern: Highly unidirectional cardioid
Noise cancelling: >25dB
Sensitivity: -29dB (+/-3 dB 35mv/Pa) or better
SNR: 89dB
Frequency response: 100-10000 Hz
Output Impedance: 150 Ohms
Power supply: from the USB port of the PC
Ideal dictating distance: 15 to 30 cm (6 to 12 inches) or even further away (depending on the calibration of the built-in mic amplifier and your voice)
Loudspeaker output: 2.5W
Loudspeaker response: 200-15000 Hz
Loudspeaker impedance: 4 Ohms

3. OPERATING INSTRUCTIONS

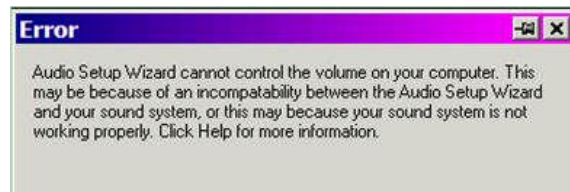
Connect the gold, non corrosive, USB jack to the USB port of your PC. Make sure that it makes perfect contact. The red led in the base will light up. **Set the built-in mic amplifier (rotating knob in the back of the unit) to its maximum volumen.** Optionally, if there is a lot of background noise in the room or 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 push-lock or push-to-talk buttons in the base, **to switch on (and off) the microphone,** and:

- a) **Either create** a Dragon "New User" from scratch, choosing "USB Microphone" 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 "USB Microphone" setting (in the "NaturallySpeaking" menu, click "Open User...". Select an existing User, then click "Source >", "New...").

Please **carefully note that**, when you run the "New User Wizard" and "Adjust Your Microphone":

- a) You have to **choose the USB Audio Codec** as the sound and audio device
- b) **Ignore the "Audio Setup Wizard" error** explaining that Dragon NaturallySpeaking® cannot control the volume on the computer, by clicking "OK" and continue. **This is perfectly normal and will appear twice.**



If you want to use the *TableMike™* as **an outstanding voice recording device**, get any digital 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 astonishing accuracy!

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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:	<p>Date tested: Version 9 - 7/06</p> <p>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.</p> <p>Optimal performance: Gain control turned off, distance 4 inches = 10cm</p> <p>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).</p> <p>Digital Recordings in High Quality recording format (WAV): 6 Dragons (mobile enrollment) Digital Recordings in Standard Quality recording format (MP3): 5 Dragons (mobile enrollment)</p> <p>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.</p>