



# User Guide of the Microsoft<sup>®</sup> Office Communicator USB Dongle / Earbud [Template]

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Revision: [Draft]

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# Revision History

<i>Revision</i>	<i>Date</i>	<i>ECO#</i>	<i>Description</i>	<i>Author/Revised by</i>
Draft	11-29-2006		Unapproved version to accommodate FCC testing and requirements for US Customs clearance of engineering samples not for sale.	

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## Host Interface:

- Earbud
  - Wideband-capable BT connection with Dongle
  - BT Complaint (backwards compatibility for headset / handsfree profiles) is desirable
  - Simultaneous connections with 2 BT devices is desirable
- Dongle
  - BT Compliant Transceiver
  - USB 2.0 Compliant (Full Speed) host interface
  - Minimum Requirements:
    - Emulation of USB Audio devices (Microphone / Speaker)
      - Requires no BT stack on PC
      - In-dongle support for wideband BT earbud
    - USB HID device (buttons / LEDs)
  - Preferred Requirements:
    - Built in USB Hub
      - Allows Simultaneous Connection of USB BT Transciever, Emulated USB Audio devices, USB HID devices
    - Emulation of USB Audio devices (Microphone / Speaker)
      - Requires no BT stack or drivers on PC
      - In-dongle support for wideband BT earbud
    - USB HID device (buttons / LEDs)

## Connecting the Dongle

The Microsoft Dongle for must be connected to an available Universal Serial Bus (USB) port on your computer.

## To connect the Dongle

With your computer turned on, gently plug the rectangular USB connector attached to the base stand into your computer 's rectangular USB port.



🔑 **Important** The device DO NOT installs any software; operation system (O.S) will support it.

# Overview of Earbud

## On/Off button



## Rocker button volume

- + Press: louder
- Press: lower



## Ear hook



# Setting up the Earbud

## **Switching on the Earbud**

Press the On/Off button for 3 seconds. The LED flashes rapidly for 1 second, and then it flashes more slowly. A low and a high tone can be heard.

## **Switching off the Earbud**

Press the ptt button for 3 seconds. The LED lights up steadily for 1 second and then goes out. A high and a low tone can be heard.

## **Setting the volume**

The two keys + and - adjust the volume.


The volume setting on the Earbud does not affect the volume setting on the PC through Dongle.

## **Making a communication**

If Dongle and Earbud pair successfully you can have communication.

## Microsoft Product Guide

Read this manual for important safety and health information and the terms of the Warranty that cover the Microsoft® device that you have purchased.

 **Warning** Failure to properly set up, use, and care for this product can increase the risk of serious injury or death, or damage to the device or devices. Read this Product Information Guide and keep all manuals for future reference. For replacement manuals, go to [www.microsoft.com/hardware](http://www.microsoft.com/hardware) or call the Product Support Number listed in the back of this manual for your locale.

This document includes important information about many Microsoft products. Refer to sections that apply to the features of your device:

- AC Powered Devices
- Battery Powered Devices
- Wireless Devices
- Keyboard and Mouse Products
- Laser and LED Specifications
- Regulatory Information
- RF Technical Specifications
- Radio and TV Interference Regulations
- Disposal of Waste Electrical and Electronic Equipment
- Patent Information
- Microsoft Help and Support
- Limited Warranty

 **This symbol identifies safety and health messages in this Product Guide and other product manuals.**

 **Important Safety Information**

### AC Powered Devices

These precautions apply to all products that are plug into a standard wall power outlet. Failure to take the following precautions can result in serious injury or death from electric shock or fire or damage to the device.

#### To select an appropriate power source for your device:

- Use only the power supply unit and AC power cord that came with your device or that you received from an authorized repair center.
- Confirm that your electrical outlet provides the type of power indicated on the power supply unit (in terms of voltage [V] and frequency [Hz]). If you are not sure of the type of power supplied to your home, consult a qualified electrician.
- Do not use non-standard power sources, such as generators or inverters, even if the voltage and frequency appear acceptable. Only use AC power provided by a standard wall outlet.
- Do not overload your wall outlet, extension cord, power strip, or other electrical receptacle. Confirm that they are rated to handle the total current (in amps [A]) drawn by the device (indicated on the power supply unit) and any other devices that are on the same circuit.

#### To avoid damaging the power cords and power supply:

- Protect the power cords from being walked on.
- Protect cords from being pinched or sharply bent, particularly where they connect to the power outlet, the power supply unit, and the device.
- Do not jerk, knot, sharply bend, or otherwise abuse the power cords.
- Do not expose the power cords to sources of heat.
- Keep children and pets away from the power cords. Do not allow them to bite or chew on them.
- When disconnecting the power cords, pull on the plug—do not pull on the cord.

If a power cord or power supply becomes damaged in any way, stop using it immediately. Unplug your device during lightning storms or when unused for long periods of time.

For devices with an AC power cord that connects to the power supply, always connect the power cord according to the following instructions:

- 1 Plug the AC power cord into the power supply until it stops.
- 2 Plug the other end of the AC power cord into the wall outlet.

### Do Not Attempt Repairs

Do not attempt to take apart, open, service, or modify the hardware device or power supply. Doing so could present the risk of electric shock or other hazard. Any evidence of any attempt to open and/or modify the device, including any peeling, puncturing, or removal of any of the labels, will void the Limited Warranty.

### Wireless Devices

Before boarding any aircraft or packing a wireless device in luggage that will be checked, remove the batteries from the wireless device or turn the wireless device off (if it has an on/off switch). Wireless devices can transmit radio frequency (RF) energy, much like a cellular telephone, whenever batteries are installed and the wireless device is turned on (if it has an on/off switch).

**For Bluetooth and 2.4GHz devices only:** To comply with FCC RF exposure requirements, the following operating configurations must be satisfied: the antenna has been installed by the manufacturer and no changes can be made.

Tested to comply with FCC (U.S. Federal Communications Commission) Standards.

For home or office use.

Not intended for use in machinery, medical or industrial applications.

Any changes or modifications not expressly approved by Microsoft could void the user's authority to operate this device.

This product is for use with NRTL Listed (UL, CSA, ETL, etc.), and/or IEC/EN 60950 compliant (CE marked) Information Technology equipment

No serviceable parts included.

This device is rated as a commercial product for operation at +41°F (+5°C) to +95°F (+35°C).

For detailed information on U.S. and Canadian radio interference regulations, search for "regulations" in on-screen Help installed with the software.

This Class B digital apparatus complies with Part 15 of the U.S. Federal Communications Commission (FCC) rules, Canadian ICES-003, RSS-Gen, RSS-210 and RSS-310. Operation is subject to the

following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareil numérique de la classe B est conforme aux normes NMB-003, CNR-Gen, CNR-210 et CNR-310 du Canada. Son fonctionnement est assujéti aux deux conditions suivantes : (1) Cet appareil ne peut pas provoquer d'interférences nuisibles et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement non désiré.

The Microsoft hardware device(s) can radiate radio frequency (RF) energy. If not installed and used in strict accordance with the instructions given in the printed documentation and/or onscreen help files, the device may cause harmful interference with other radio-communications devices (for example AM/FM radios, televisions, baby monitors, cordless phones, etc.). There is, however, no guarantee that RF interference will not occur in a particular installation.

To determine if your hardware device is causing interference to other radio-communications devices, disconnect the device from your computer or remove the device's batteries (for a battery operated device). If the interference stops, it was probably caused by the device. If the interference continues after you disconnect the hardware device or remove the batteries, turn the computer off and then on again. If the interference stopped when the computer was off, check to see if one of the input/output (I/O) devices or one of the computer's internal accessory boards is causing the problem. Disconnect the I/O devices one at a time and see if the interference stops.

If this hardware device does cause interference, try the following measures to correct it:

- Relocate the antenna of the other radio-communications device (for example AM/FM Radios, televisions, baby monitors, cordless phones, etc) until the interference stops.
- Move the hardware device farther away from the radio or TV, or move it to one side or the other of the radio or TV.
- Plug the computer into a different power outlet so that the hardware device and radio or TV are on different circuits controlled by different circuit breakers or fuses.
- If necessary, ask your computer dealer or an experienced radio-TV technician for more suggestions. For more information about interference issues, go to the FCC Web site at: <http://www.fcc.gov/cgb/consumerfacts/interference.html>  
You can also call the FCC at 1-888-CALL FCC to request *Interference and Telephone Interference* fact sheets.

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