

MH84 USB Headset

General description

MH84 is a new ATA stereo USB multimedia headset, targeted for indoor PC users. The USB digital sound processing will favour voice recognition & voice dictation applications on PC, so expected to fit in high end market for demanding users. It is a behind-the-head wearing design, plus an assembled in-line module adapter with USB plug.

Major Features are:

- enjoy great multimedia stereo digital audios
- high clarity digital sound also for voice command & dictation uses
- no-mess behind the head wearing headset
- no separate driver needed for Windows 98 SE, Me, 2000 & XP
- direct connect to USB (1.1) port and no soundcard needed
- Green LED power/in use indicator
- USB connector
- USB specification 1.1 compliant
- Utilizing Microsoft audio USB driver

Technical description

The core of the headset is the USB audio controller (U6 SN11113F). It supports 32KHz, 44.1KHz and 48KHz sampling rate in digital playback and recording; 44.1KHz and 48 KHz sampling rate in analog audio playback and recording. Only analog playback and recording is used in this headset.

In analog playback mode, it receives audio stream from PC via USB interface and transmits audio data to the AC'97 Codec (U7 VT1612A) for analog playback to headphone.

In analog recording mode, it receives analog audio input from microphone via a microphone amplifier (U1 3414A) and send back to PC through USB.

Totally, one USB control pipe, two isochronous pipes and one interrupt pipe are used by the headset.

Other features:

- Compatible with Win98SE/WinMe/Win2000/WinXP and MacOS 9.2.1/MacOS 10.1 without additional driver
- Plug-and-play operation with Microsoft OS or MacOS default drivers

- Compliant with USB specification v1.1
- Compliant with USB audio device class specification v1.0
- Supports USB full speed 12Mbits/s serial data transmission
- USB bus-powered operation
- Supports suspend/resume and remote wake-up
- Supports AC'97 component specification v2.1 and v2.2
- Compliant with USB HID class specification v1.1; button control for volume up/down, play, mute and record mute may be added
- 3.3V operation