

Speakers

A speaker or speaker system converts an electrical signal to sound. A speaker is a term used to describe the user who is giving vocal commands to a software program.

Speakers are popular output devices used with computer systems. They receive audio input from the computer's sound card and produce audio output in the form of sound waves. Most computer speakers are active speakers, meaning they have an internal amplifier which allows you to increase the volume, or amplitude, of the sound.





When computers were originally released they had on-board speakers that generated a series of different tones and beeps. As multimedia and games became popular, higher quality computer speakers began to be released that required additional power. Because computer sound cards are not powerful enough to power a nice set of speakers today's speakers are self-powered, relatively small in size, and contain magnetic shielding.

These devices are used to produce sound from the computer system. The soundcard is a card installed in the tower case of the computer. Its role is to convert the signal coming out of the computer to a format that can be reproduced by the external speakers.

The Audio output is the ability of the computer to output sound. Two components are needed: Sound card – Plays contents of digitized recordings, Speakers – Attached to sound card.

Speakers usually come in pairs, which allow them to produce stereo sound from two separate audio channels.