Bluetooth on iPhone

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The current-based technology that is common in the modern world is WAN, LAN (WLAN) and Bluetooth, undeniably saying these three functions are becoming a large consumption of our life.

Bluetooth was developed by Ericsson in the 1990s, a Swedish manufacturer who is aiming to innovate a technology which neglects the necessity of wire and cables, but they have also aimed for extra features that include low energy maintenance and relatively low cost. Compared with WAN and LAN, Bluetooth is a younger technology with high potential and development. WAN and LAN require infrastructures such as signal towers that allow connectivity and functionality, but Bluetooth can initialize a short range of personal connection activity without implementation of infrastructure which will meet the needs of connecting devices at the edge node of a network.

The iPhone uses Bluetooth technology in various smart connections for its devices. Due to the advantage of Bluetooth, it forbade the traditional method of data and command transfer from device to device by means of wires and cables. Through a built-in radio antenna and transmitter, the device will receive the message sent from the primary device, e.g. your phone, which is the master, sends a message through a short radius signal to your nearby airpod, the airpod receives the command and acts whatever it is told. It has a band of 79 types within its frequency (2.4GHZ), allowing multiple Bluetooth to function within the radius dimension without interference. Therefore, Bluetooth has a high-efficiency and flexible wireless connection between varied electronic devices and portable devices.

As wireless connection information has been arising the last few decades, Bluetooth is always and continues to be an obvious and significant technological advancement. Bluetooth's high level of convenience makes life easier. Apple has pushed it to reach a higher degree of comfort to its logical conclusion. The products of Apple apply the nature of Bluetooth, which makes it easier to have connections with varied electronic devices and portable devices

connections, expansion of apple products such as airpods, Apple watches and find me elevated the sub-branch purpose based on the fundamental nature of Bluetooth. Thus, the tolerance of the Bluetooth fundamental principle is constructively demonstrated by the diversification and sub-branching

of applications based on the nature and principles of Bluetooth.

The ease and convenience the Bluetooth system embeds into electronic systems is remarkably large as it allows new inventions, such as airpod, remote speakers, etc and new applications. Meanwhile, it also allows unknown brands with more recent designs that bring inclination to the economy of the electronic device industries and the appearance of more unique job applications that are related.

Apple thus creates new economic directions such as expansion of factories, creation of more job applications and attraction of new blood into the electronic industries. The emergence of Bluetooth wireless is gradually replacing the majority of wired devices, changing the comfortability to how we access the same function and starting a new profitability trend. However, the cons will also arise with the pros. Sometimes the connection

to Bluetooth will be unstable, leading to transmission failure or disconnection. Arising issues such as security and cyber safety concerns, which lead to personnel data leaks and bank and personal detail leaks. These are conditions that can occur because of a Bluetooth connection. Consequently, the development of Bluetooth functionality is effective and useful, enabling a boost to the economy of electronic industries, but many undiscovered and undercovered issues still remain.

Apple has captured a large part of the wireless headset market as a driving force behind the Bluetooth headset trend.

U.S. Headphone Market in 2021
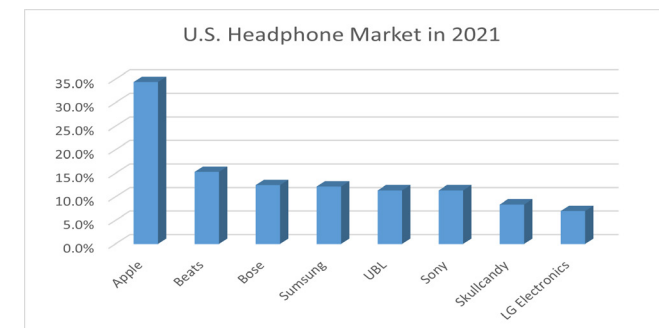
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Bluetooth Ubiquity

iPhone

iPad

Mac

APPs

Apple Watch

AirPods