

Gesture Recognition

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The gesture recognition bracelet is one of the cool new gadgets that let us control devices by moving our hand. The MYO arm band ('MYO' meaning related to muscle) can identify hand gesture by interpreting biometric signal in our arm. When making particular hand motion such as pointing the arm band can identify the gesture, which allows the pointing motion to be associated with specific command for digital device. We can use hand signals to interact with television, computer or phones or any smart technology system. The importance of this technology is that it enables us to interact more naturally with devices by reducing the need for input peripherals like mice, keyboard or touch screen. The MYO technology does not require position co-ordinates and therefore allows greater freedom of movements. Gestures are identified by muscular and electrical activity in the forearm. This detection occurs without any electrode touching the skin and the recognition is instantaneous. MYO is designed as a one-size-fits-all devices. It uses Bluetooth 4.0 feature on board, rechargeable lithium ion batteries and works out-of-the-box with our Mac or windows PC.

