

Description of Balance Board Working Principle

As the current is turned on, battery supplies MCU U1 and Bluetooth module U11 with electricity after its voltage becomes from U3 to V3. After MCU begin to work, 15 feet puts out high-level and VDD2 by control. And then VDD2 supplies electricity to Bluetooth module U11 for transporting U01, U02 and P3. And Bluetooth module U11 communicates with host Bluetooth. When you press the key "POWER", LED will flash. Then press code key in host computer and code key of this product separately, the Bluetooth module decides whether connect with it. If they are in the connection, it will overpass LED indication; LED becomes normally light and generates a random number kept in EPROM. These numbers are lifted off by wireless after being modulated. While having weight worked on this product, it will transform into voltage signal according to pressure transducer. The voltage signal becomes larger by transporting U01 and U02, and then transports weight number to LCD P3 for presenting according to MCU U1. At the same time, the voltage signal transports weight number to WII host computer by communicating Bluetooth module with WII host.