

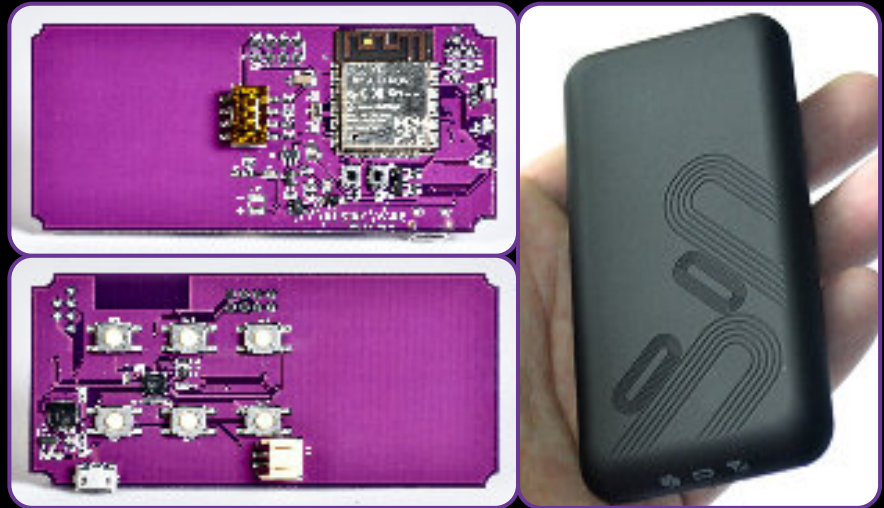
Battery Remote BR100

Simplifying Automation for Interactive Designs

Product Sheet

Key Features

- ExpressIF ESP32-WROOM-32U
 - Dual processor with 16MB memory
 - Wi-Fi/Bluetooth/BLE Connectivity
 - Built-in Antenna
- Onboard USB programming interface
- Built-in Li-Ion/Li-Poly Charging via USB
- Battery Voltage monitoring
- DIP switch for unique addressability
- I2C and SPI connections for expansion
- SX1509 IO Expander
 - 6 buttons onboard >1,000,000 Cycles
 - 6 additional IO connections available
 - One Dual color Red/Green LED
 - One Blue & One Orange LED
 - Breath, blink, and dim functions
- Easily used with the ArtistryWare UI100 Universal Interface
- Small board size of 87mm X 43mm
- Case available



Product Overview

The ArtistryWare BR100 is a remote control module for multiple purposes and expanded applications. Smarter than the typical remote control, this unit boasts its far-ranging, interoperability, and configurability design.

The unit is capable of communicating and controlling simultaneously with remote devices using its WiFi and Bluetooth enabled microcontroller regardless of difference of device vendor or origin. It is configurable to customize its intended applications including multiple LED functions like breath, blink, and dim. Powered by a LiPo battery rechargeable via USB, it comes handy and portable with six buttons and additional IO connections.

The design of this unit is optimized for a wide range of wireless applications including the ArtistryWare Universal Interface board.

Product Application

The BR100 was designed to be remote and to control other Bluetooth and WiFi devices including the ArtistryWare UI100. Because of its full BLE stack, it is configurable as a Central, Peripheral or a Beacon with an expanded application as a web server, client, or even an access point with its WiFi function. With the ESP32's deep sleep function, this device is efficient in using the LiPo battery to power the board. Additionally, the unit is programmable using the Arduino IDE.

About ArtistryWare

Artistryware Inc. brings together decades of expertise in various entertainment venues from cinemas and television to theme parks and interactive experiences. We are highly committed to providing feature rich interactive experiences from hardware to software and for all types of venues and platforms.