

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Radiation Exposure Statement:**

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

**Hardware:** Nordic nRF51822 Multi-protocol Bluetooth® 4.0 low energy / 2.4GHz RF SoC, 32-bit ARM Cortex M0 processor (16MHz), 16kB RAM, 256kB Flash; NXP KL26z (USB and power supply)

5x5 LED matrix screen; 1 Programmable RGB LED (WS2812b)

Accelerometer, Gyroscope, Magnetometer (Bosch BMX055)

Piezo speaker; MEMS microphone

DC Motor Driver (TI DRV8837)

2 programmable buttons

Serial interface (USB + configurable ports)

USB Micro B connection (programming and power supply), JST battery connector (3.3V)

4 banana plug / crocodile clip connections, 4 analog inputs

8-11 Input / Output Connections (depending on software configuration) SPI + I2C; PWM output; Banana / crocodile clip connection for 3.3V (output)

2 I2C + serial / analog connectors (Grove)



FCC ID: 2AQMD-CALLIOPE-V13

