Emergency Button for a certain Professor’s Rage

= Codename: EBPR =

# SYNOPSIS

A button for a certain professor to rage-press when reviewing manuscripts and abstracts. This button allows the certain professor to rapidly send “?” marks via Bluetooth. It is a significant time saver and emergency solution for imminent “?” satisfaction.

# QUICKSTART GUIDE

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|  | (1) Switch on. |
|  | (2) Tap to enter BT paring mode. Built-in LEDs will start to blink. |
|  | (3) Connect via Bluetooth. For Mac, find more information about Bluetooth connection [here](https://support.apple.com/guide/mac-help/connect-a-bluetooth-device-blth1004/mac); for Windows, [here](https://support.microsoft.com/en-us/windows/pair-a-bluetooth-device-in-windows-2be7b51f-6ae9-b757-a3b9-95ee40c3e242). |
|  | (4) Once connected, press the red button to enjoy the rage-pressing. The faster spamming this button, the more “?” will be sent. |
|  | **Low battery**  In case of low battery, charging via micro-USB through this port. The LED near the battery will turn green when fully charged. |
| A red button on a white box  Description automatically generated | **Sleep mode**  Device will enter sleep mode after 120s of no action. Tap to wake it up. |
| A red button on a white box  Description automatically generated | **Bluetooth resetting**  While not in sleep mode, **holding down** this button for at least 10s to reset the Bluetooth pairing. |

# TECHNICAL PARAMETERS

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| Weight | 200g (battery included) |
| Dimensions | 90mm (W) × 90mm (L) × 50mm (H) |
| MCU | 1× ESP32-WROOM |
| MCU VCC | 3.3V, internally regulated |
| Working current | Not rated |
| Max. transmit power | 21 dBm |
| Battery | 1× 16340 3.7V 2400mAh Li-ion battery. |
| Charging | 5V, ≤200mA |
| Charging port | 1× micro-USB |

# OPEN-SOURCE ACCESSIBILITY

Project source: <https://github.com/lguangyu/eqmb.git>.