

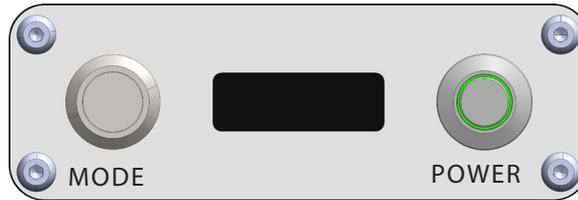
# ESP783

Enhanced Schumann Pulser



## INSTRUCTIONS

WEBSITE [ESP783.COM](http://ESP783.COM) | E-MAIL [TOM@ESP783.COM](mailto:TOM@ESP783.COM)

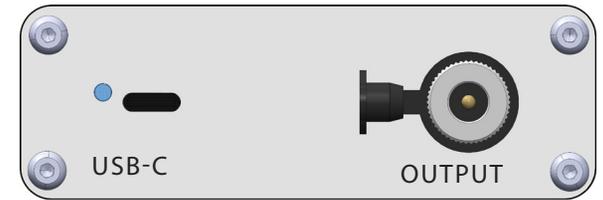


### MODE BUTTON

- Click to cycle between 12 modes
- Hold for 2 seconds to see battery level
- **Keep holding to turn screen off**
- Click to turn screen back on

### POWER BUTTON:

- Turns unit on/off
- Green LED pulses with signal sent to coil
- LED brightness indicates battery level
- Hold down Mode while turning on to see version number & support email address



### USB-C CHARGING PORT

- Internal battery lasts 50 hours on full charge
- Charge time from empty to full: 10-12 hours
- LED turns blue when fully charged while unit is off (but will slowly alternate blue/red if on)
- Can be run 24/7 plugged in

### OUTPUT PORT:

- For connecting external DIY coils or electrodes via included adapter
- ~3.4 Vpp signal, unipolar, 50Ω impedance, center positive, 5.5 x 2.1mm barrel jack

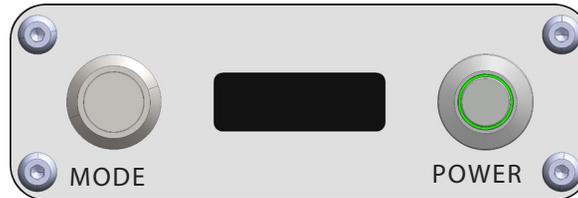
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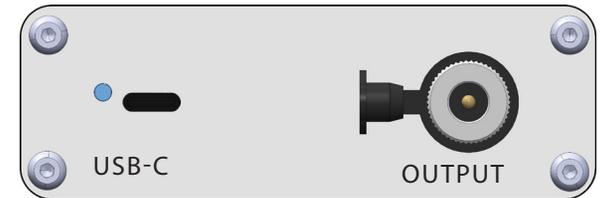


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## MODES

**01 Schumann Classic** • All 5 Schumann Resonances at the same time, with equal amplitudes.

**02 Schumann Golden** • All 5 Schumann Resonances at the same time, with amplitudes decreasing as the golden ratio, 7.83 Hz having the highest amplitude.

**03 Schumann 7.83 Hz** • Schumann fundamental frequency in the alpha brainwave range.

**04 Schumann 14.3 Hz** • Schumann 2<sup>nd</sup> harmonic in the low-beta brainwave range.

**05 Schumann 20.8 Hz** • Schumann 3<sup>rd</sup> harmonic in the mid-beta range.

**06 Schumann 27.3 Hz** • Schumann 4<sup>th</sup> harmonic in the high-beta range.

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**07 Schumann 33.8 Hz** • Schumann 5<sup>th</sup> harmonic in the high-beta / low-gamma range.

**08 Gamma 40 Hz** • Single frequency in gamma range, associated with creative insight. *Flashes too fast to see.*

**09 Theta 5 Hz** • Single frequency in mid-theta range, associated with hypnagogia & meditation.

**10 Delta 2.5 Hz** • Single frequency in delta range, associated with deep sleep.

**11 Gamma + Theta** • Combination of 40Hz & 5Hz.

**12 Theta + Delta** • Combination of 5Hz & 2.5Hz.

**Tips:** Top of device is polarized magnetic north & can be faced toward you. Ideal range is between arm's length & corner of room. If placing glass of water on top to charge it, put ESP783 in a plastic bag first to protect from spills. A copper wire can be looped around room & attached via output port adapter for a more uniform pulsed magnetic field.

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## SPECS

**Dimensions:** 4.7" x 3.3" x 1.1"

**Weight:** 12.35oz (350g)

**Battery:** 4000mAh LiPo 606090 JST 2.0F

**Battery Life:** 50+ hours per charge

**Charge Time:** 10-12h

**Magnetic Field:** 2 milligauss rms @15cm

**Range:** 10m

**Frequencies:** 2.5Hz, 5Hz, 7.83Hz, 14.3Hz, 20.8Hz, 27.3Hz, 33.8Hz, 40Hz

**Hz Accuracy:** ± .005%

**Signal Voltage:** ~3.4Vpp (depends on battery level)

**Coil DC Resistance:** ~52Ω

**Output Port Impedance:** ~50Ω

**Water Rating:** mist & damp cloth

**Temp Rating:** 45°F to 95°F

**Housing:** aluminum, ABS, steel

**Rohs:** Lead-free

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