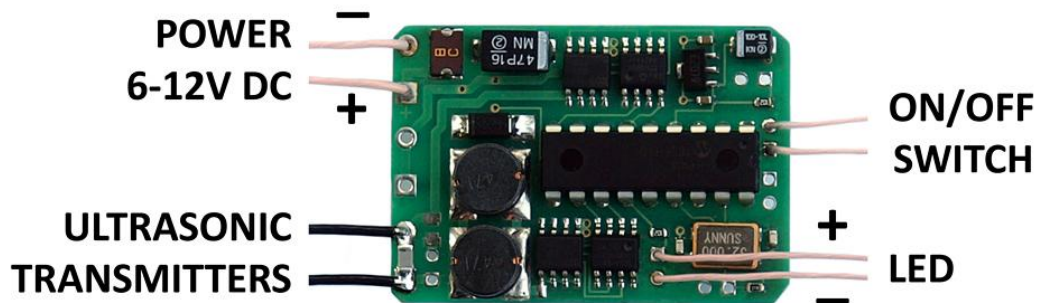


# Noiseless Acoustic Safe ASU-20 "Safebox" PCB Connections



**POWER 6-12V DC.** Power connection. Any stabilized DC voltage source from 6 to 12 volts with load capacity not less than 300mA. Ultrasonic power depends on voltage with a maximum 2W at 12V. Recommended voltage is 9V. Our tests showed that microphones of all kinds of phones and recorders inside the protected volume 3.3 liters (330x200x50 mm) were totally suppressed at 7.5V.

**Polarity must be observed.**

**ULTRASONIC TRANSMITTERS.** Up to 18 ultrasonic 25 kHz transmitters type VS-A1625H12T connected in parallel (or analog with Vp-p limit not less than 100V). Recommended number of transmitters is 15.

**ON/OFF SWITCH.** The device is on when these pins are shorted. These are logic pins, not power breaker, switch with any current limit can be used.

**LED.** Almost any LED. Current is limited by 1k resistor from 5V source. The LED flashes in time with the random noise generator.

## Specifications:

- Supply voltage: from 6 to 12V
- Consumption: no more than 250mA @ 12V
- Total power of ultrasonic emitters (15 pcs): up to 2W
- Type of interference: pseudo-random frequency hopping signal (floating spectrum noise)
- Operating mode: continuous
- Switching on/off: manual
- PCB dimensions: 42.5 x 29.7 x 7 mm
- Weight (without transmitters): 9 g

<https://acoustic-safes.com>

description version ASU20-PCB-07/2022-EN