

# ASU-20-DIY Kit for Self-Production of an Acoustic Safe



ASU-20-DIY kit is designed for self-manufacturing of [ASU-20](#) type noiseless ultrasonic acoustic safe from almost any box, drawer, container or casket.

Acoustic safe is a device to protect speech and any other acoustic information from leakage through smartphones, tablets, headsets and other devices. An acoustic safe is a box/container containing an ultrasonic acoustic noise generator. Depending on the size of the container, it is possible to simultaneously protect 20 or more phones, headsets, tablets and laptops.

Thanks to the use of powerful ultrasonic noise emitters in the immediate vicinity of the microphones of the protected devices in the closed volume of the acoustic safe, reliable suppression of any acoustic information is ensured. Unlike passive caskets and blockers, which turn on suppression only when the phone is active, a constantly working ultrasonic jammer guarantees 100% blocking of the microphones of any devices.

Reception of incoming calls and messages is not blocked. When the phones are in the box, the sounds of calls and messages are heard from the outside, and all external sounds inside the box are muffled. When powered from the mains, the operating time of the acoustic safe is not limited.

## Contents of Delivery

- Electronic circuit in case – 1 pcs
- Ultrasonic emitters with a lid – 1 pcs
- Power supply – 1 pcs
- Device passport – 1 pcs
- Package – 1 pcs

## Available Lid Colors

- Light wood
- Red wood
- Dark wood
- White (original plastic)

## Requirements for the housing (box/drawer/container/casket)

- Body material: wood, plastic, plexiglass, metal
- Internal volume (for the version with 15 transducers): no more than 10 dm<sup>3</sup> (10 liters)
- Permissible holes and slots in the housing (in the closed state): no more than 3 mm

## Example of Acoustic Safe

The photo shows the [ASU-20](#) acoustic safe made of the ASU-20-DIY kit.



## Specifications

- Supply voltage: from 4.5V to 12V (adapter 100-240V 50-60Hz, included)
- Consumption: no more than 250mA @ 12V
- Total power of ultrasonic transmitters (15 pcs): up to 2W
- Type of interference: ultrasonic pseudo-random frequency hopping signal
- Switchable power levels: 5
- Operating mode: continuous
- Switching on/off: manual
- Dimensions of ultrasonic transducers assembly (15 pcs): 299x20x14 mm (other dim. by order)

## Rules for Storage and Operation

The kit or a product based on it should be stored in a package at an ambient temperature of +5°C to +40°C and a relative humidity not exceeding 70%. Operation is allowed at temperatures from 0°C to +40°C and relative humidity not exceeding 90%.

## Acceptance Certificate

Formally, our standard three-year warranty is valid only for finished [ASU-20](#) products and does not apply to assembly kits (DIY) and printed boards (PCB). However, we are as loyal as possible in matters of technical support, repair and replacement of components. All kits and PCBs are tested for performance and compliance with the parameters.

<b>Acceptance Certificate</b>	<b>The kit has been manufactured, tested and found working according to specifications.</b>
	<b>Date of manufacture:</b> _____ <b>Serial number:</b> _____
	<b>Manufacturer's stamp and signature of the responsible for acceptance:</b> _____ STAMP