



H A N D M A D E   M I C R O P H O N E S



U S E R ' S   M A N U A L



# S O Y U Z S U - 0 1 7

Serial Number

Created on

Assembled by

Tested by

# 1. INTRODUCTION

This manual contains the basic information necessary for the operation and care of your SU-017. Please read it thoroughly before using the microphone. More information can be found at our website, [www.soyuzmicrophones.com](http://www.soyuzmicrophones.com).

# 2. SAFETY

- Before plugging in the power supply for the SU-017, make sure that the red current selector on the bottom of the unit is set to the proper voltage for your region.
- Always allow the microphone and power supply to adjust to the ambient temperature of the environment in which they are to be used before operation.
- Always check that the cables are arranged in such a way that they will not pose a risk of tripping.
- Repairs are to be conducted by certified Soyuz personnel only. Repairs made by unauthorized personnel can be dangerous and will void the SU-017 warranty.
- Always make sure that the power supply is switched off before you connect or disconnect the microphone.
- If it becomes necessary to dispose of the SU-017 or the BP-017 power supply, be sure to do it in accordance with the electronics disposal regulations of your home country.

### 3. DESCRIPTION

The SU-017 large-diaphragm tube condenser microphone delivers sound that is as rich, warm, solid, and beautiful as its hand-crafted, polished design suggests.

Features a cardioid capsule with gold-sputtered, hand-tuned 1 inch diaphragm.

Swappable capsules make this high performance microphone at home in a wide range of critical recording applications, from vocals to orchestral instruments.

### 4. WHAT'S IN THE BOX

- 1 SU-017 tube microphone in wooden storage case
- 1 BP-017 power supply with power cable
- 1 SU-017 shock mount
- 1 multi-pin microphone cable (5 meter)
- 1 spare 6Ж1П vacuum tube

### 5. SET UP

- Attach the Soyuz shock mount to a sturdy microphone stand.
- Attach the SU-017 to the shock mount by unscrewing the ring at the bottom of the microphone, placing the microphone in the shock mount cradle and then replacing the ring snugly.

ENSURE THAT RED VOLTAGE SELECTOR SWITCH ON THE BOTTOM OF THE POWER SUPPLY IS SET TO THE CORRECT VOLTAGE FOR YOUR REGION.

Operating the SU-017 at the wrong voltage can damage the microphone and will void your warranty.



- Attach the multi-pin cable and the XLR cable to the included BP-017 power supply. Attach the multi-pin cable to the SU-017 and the XLR cable to your mixing console, audio interface, or other audio input.

**Important:** Do NOT apply 48V phantom power to the SU-017. The SU-017 receives all needed power from the BP-017 power supply.

- Attach the power cord to the BP-017 power supply and plug it into a power source.
- Switch the power supply on.

NOTE: The correct, forward-facing direction of the microphone is indicated by the side of the microphone body with the Soyuz logo shield. If for any reason the body has slid out of position, the microphone's correct orientation can be determined via the cardioid symbol on the top of the capsule head.

## 6. SHUT DOWN AND STORAGE

- Reduce the volume on your amplifier or powered monitor speakers.
- Turn off the power switch on the BP-017 power supply.
- Disconnect and roll up the multi-pin, XLR, and power cables.
- Remove the SU-017 from the shock mount and place it in its wooden storage case.
- Place the SU-017, power supply, shock mount, and cables in their original cardboard box/foam rubber or in some other safe place, away from heat, cold and excessive sunlight and moisture.

## 7. TROUBLESHOOTING

- **SU-017 NOT WORKING:** Check that the power supply is switched on and that all cables are connected correctly and are in working condition.
- **SOUND IS MUFFLED:** Check that the SU-017 is oriented properly in relation to the source audio.
- **SIGNAL IS VERY WEAK:** Check that the red current switch on the bottom of the power supply is set to the correct voltage for your region.
- **SOUND IS DISTORTED:** Check that the gain or input sensitivity is not too high on your mixer/amplifier so that there is sufficient headroom for the SU-017 to operate.
- **PLOSIVES:** Place a pop screen between the source audio and the SU-017 capsule.

## 8. TECHNICAL DATA

- Operating Temperature Range: 0° C.....+70° C
- Storage Temperature Range: -20° C.....+70° C
- Humidity Range: 0%...90% at +20° C and 0%...85% at +60° C
- Acoustical Operating Principal: Pressure-gradient transducer
- Polar Pattern: Cardioid (swappable capsule)
- Frequency Range: 20Hz – 20kHz
- Sensitivity: 16mV/Pa
- Impedance: 270 Ohms
- SPL: 120dB
- Equivalent Noise: 20dB (A-weighted)
- Tube Type: 6ж1п
- Power: Dedicated BP-017 power supply
- Size: 226mm length x 55mm diameter
- Weight: 950g

## 9. CONTACT US

### USA and CANADA

MV Pro Audio

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### DISCLAIMER

The microphone and power supply are sold "as-is." The customer assumes the entire risk as to the product's suitability for his needs, its quality, and its performance. In no event will Soyuz Microphones be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect in the microphone or power supply or from their use in conjunction with any microphones / products from other manufacturers, even if advised of the possibility of such damages.

### CE CONFORMITY

Soyuz Microphones hereby declares that this product conforms to the applicable CE standards and regulations.

[www.soyuzmicrophones.com](http://www.soyuzmicrophones.com)

