



SONIO PRO Series  
SONIO MINI Series  
SONIO AIR Series



## Safety Instructions

Online at

Q [www.sonio.com.au](http://www.sonio.com.au)

EN

## Important safety instructions

1. Read these safety instructions and the instruction manual of the product.
2. Keep these safety instructions and the instruction manual of the product. Always include all instructions when passing the product on to third parties.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Only clean the product when it is not connected to the power supply system. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as open flames, radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only operate the product from the type of power source specified in the chapter "Specifications" and indicated on the power supply unit.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug the power supply unit from the wall socket,
  - to completely disconnect the product from the power supply system,
  - during lightning storms,
  - when not using the product for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as

power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, when the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Only use the supplied power supply unit.

16. **Warning:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

17. When using the supplied device feet, do not place the product on delicate surfaces. Delicate surfaces can become discoloured or stained when they come into contact with the plastic of the device feet.

18. Always ensure that the power supply unit is

- in a safe operating condition and easily accessible,
- properly plugged into the wall socket,
- only operated within the permissible temperature range,
- not covered or exposed to direct sunlight for longer periods of time in order to prevent heat accumulation.

19. Operate this product within its specified operating temperature range.

20. Higher volumes or longer durations can damage your hearing. At higher volumes, the duration must be shortened in order to prevent hearing damage.

The following are sure signs that you have been subjected to excessive noise for too long a time:

- You can hear ringing or whistling sounds in your ears.
- You have the impression (even for a short time only) that you can no longer hear high notes.

Inform all users of these risks and ask them to set the volume to a moderate level if necessary.

## Warning

1. Battery packs may explode or release toxic materials. Risk of fire or burns. Do not open, crush, modify, disassemble, heat above 40°C, or incinerate.
2. Follow instructions from manufacturer.
3. Only use Sonio charger to recharge Sonio rechargeable batteries.
4. **WARNING:** Danger of explosion if battery incorrectly replaced. Replace only with same or equivalent type.
5. Never put batteries in mouth. If swallowed, contact your physician or local poison control center.
6. Do not short circuit; may cause burns or catch fire.
7. Do not charge or use battery packs other than Sonio rechargeable batteries.
8. Dispose of battery packs properly. Check with local vendor for proper disposal of used battery packs.
9. Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
10. Do not attach or insert battery with polarity reversed.
11. Do not immerse the battery in liquid such as water, beverages, or other fluids.
12. Keep away from small children.
13. Do not use abnormal batteries.
14. Pack the battery securely for transport.
15. Do not overload wall outlets and extension cables as this may result in fire and electric shock.

## Important Product Information

Licensing Information

Licensing: A ministerial license to operate this equipment may be required in certain areas. Consult your national authority for possible requirements. Changes or modifications not expressly approved by Sonio could void your authority to operate the equipment. Licensing of Sonio wireless microphone equipment is the user's responsibility, and licensability depends on the user's classification and application, and on the frequency. Sonio strongly urges the user to contact the appropriate telecommunications authority concerning proper licensing, and before choosing and ordering frequencies.

Intended use

It is considered improper use when the product is used for any application not named in the corresponding instruction manual.

Sonio does not accept liability for damage arising from improper use or misuse of this product and its attachments/accessories.

Before putting the products into operation, please observe the respective country-specific regulations!

## Information to the user

Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

## Specifications

### SONIO PRO Series

Receiver:

Receiving frequency: UHF600-690MHZ (Australia);

UHF500-599MHZ (USA)

Frequency stability: <0.002%

Sensitivity: 2/MV

Adjacent channel interference ratio: >90DB

Mirror interference ratio: >88DB

SNR: >95DB

Audio output: 0-300MV

Working range: up to 80 meters

Accepted channel: 2 channels

Power supply voltage: AC/100-240V

Bluetooth: 4.2

Antenna: External antenna

Operating temperature range: 0°C ~ 40°C

Microphones:

Carrier frequency: UHF600-690MHZ (Australia);

UHF500-599MHZ (USA)

Frequency stability: <0.002%

Transmit power: 10MV

Current consumption: <25MA

Sub harmonic: <main wave 40DB

System: fixed frequency

Pickup: 600Ω

Operating temperature range: 0°C ~ 40°C

### SONIO MINI Series

Receiver:

Frequency: UHF600-690MHZ (Australia);

UHF500-599MHZ (USA)

Frequency stability: <0.002%

Sensitivity: 2/MV

Adjacent channel interference ratio: >90DB

Mirror interference ratio: >88DB

SNR: >95DB

Audio output: 0-300MV

Working range: up to 50 meters

Accepted channel: 2 channels

Power supply voltage: AC/100-240V

Bluetooth: 4.2

Antenna: External antenna

Operating temperature range: 0°C ~ 40°C

Microphones:

Carrier frequency: UHF600-690MHZ (Australia);

UHF500-599MHZ (USA)

Frequency stability: <0.002%

Transmit power: 10MV

Current consumption: <25MA

Sub harmonic: <main wave 40DB

System: fixed frequency

Pickup: 600Ω

Single finger battery: 1.5V AA battery x 2 (not included)

Operating temperature range: 0°C ~ 40°C

### SONIO AIR Series

Microphones :

Frequency range: UHF600-699MHZ

Modulation type: Broad FM

Channel: 1

Channel spacing: 500KHz

Frequency stability: within ±0.005%

Dynamic range: 100dB

Max offset frequency: ±45KHz

Audio response: 80Hz-18KHz (±3dB)

Total S/N: >105dB

Total distortion: ≤0.5%

Operating temperature range: -10°C ~ 50°C

Receiver:

Receive mode: double-conversion super hetero-dyne

Power supply: Rechargeable

Medium Frequency: First:110MHz, Second:10.7MHz

Wireless interface: BNC/50

Sensitivity: 12dBμV (80dB/S/N)

Sensitivity range: 12-32dBμV

Spurious suppression: ≥75dB

Power supply type: external

Operating temperature range: -10°C ~ 50°C