



# SAVOX TRICS Lite Communication Controller User Guide

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## **SAVOX** TRICS Lite Communication Controller User Guide



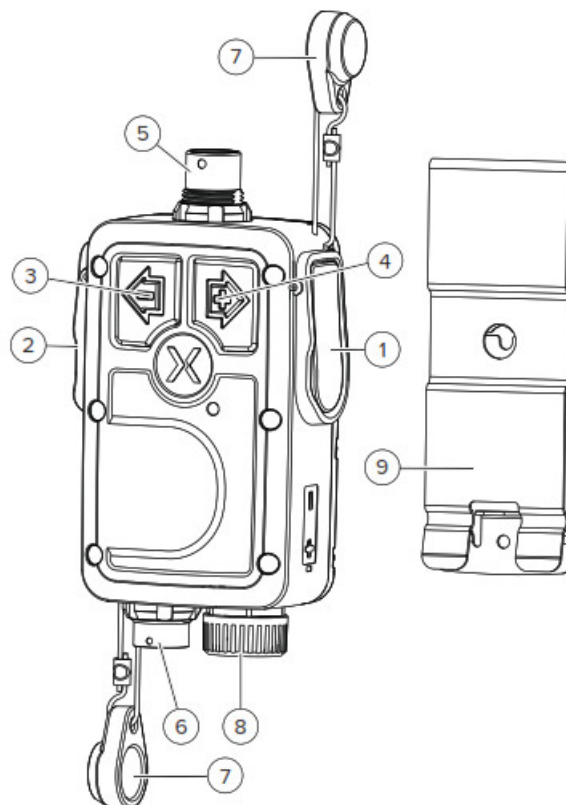
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## PRODUCT DESCRIPTION

Savox TRICS Lite is a tactical communication controller for controlling up to two radios or radios with dual channels. It Stactical headsets, Noi COM 100 and 200

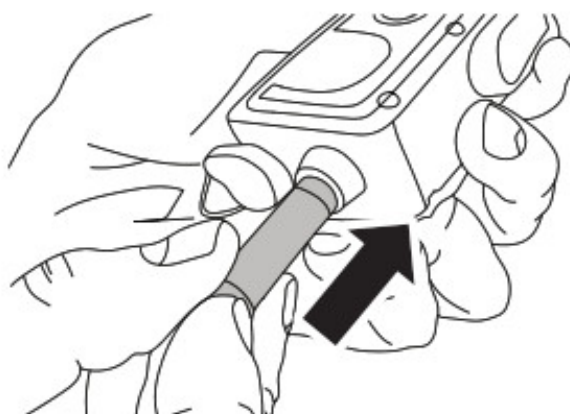
**TRICS Lite consists of the following parts:**






No.	Description
1	PTT1
2	PTT2
3	Volume down button
4	Volume up button
5	Connector for headset
6	Connector for radio cable
7	Connector caps
S	Battery cap for AAA 1.5V battery (not needed with most radios)
9	Attachment clip to tactical vest

## Installation / Use

If the radio does not support accessory powering install a AAA battery inside the TRICS Lite battery compartment (6). Remove and attach the battery cap by twisting. Insert the battery minus end first.

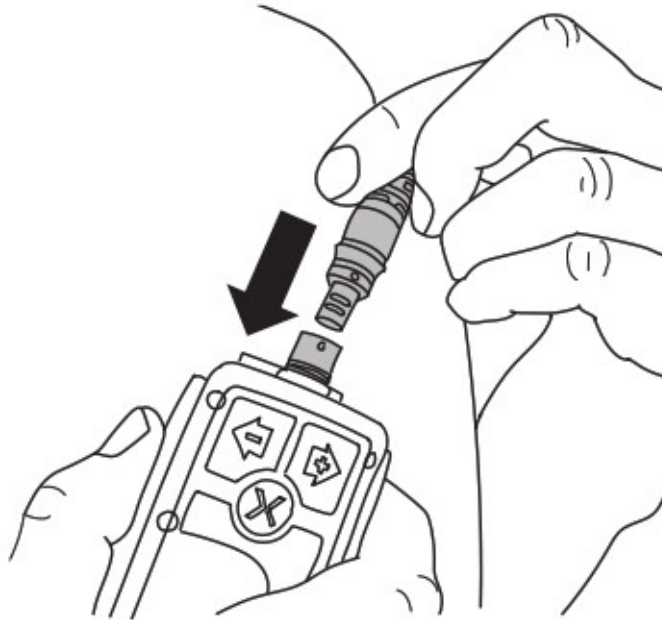


Operation	Buttons
Turn ON / OFF	Vol – 3 seconds 
Volume up	Vol + 
Volume down	Vol – 

1. Connect a headset to the headset connector (5).

**Note!** Make sure that the red dots on the connectors are aligned.

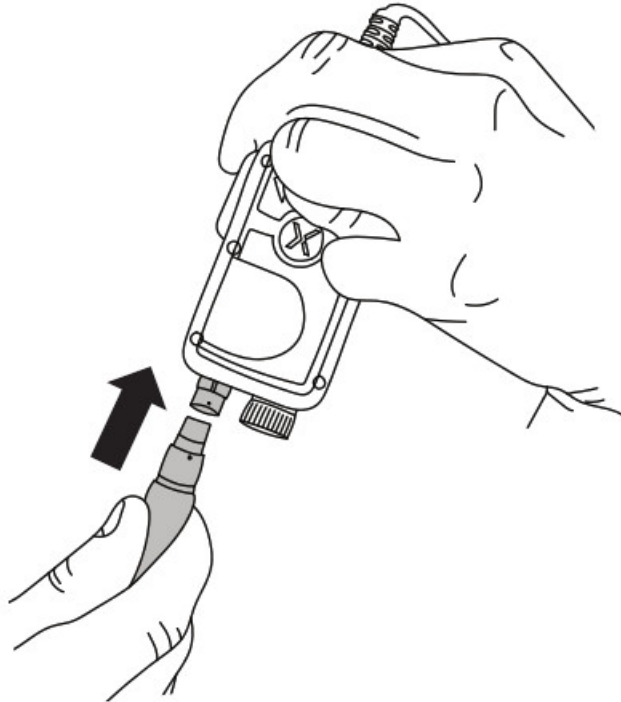
Do not use force!



2. Connect a radio cable to the radio cable connector (6).

**Note!** Make sure that the red dots on the connectors are aligned.

Do not use force!



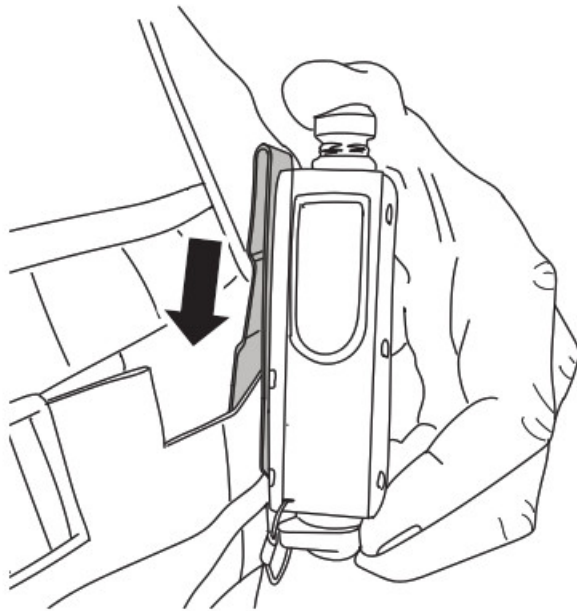
3. Turn ON TRICS Lite by pressing Vol- button for 3 seconds.

**Note!** TRICS Lite is automatically powered on when used with radios that offer accessory powering.

**Note!** Radio(s) may generate harmful high beep when it turns ON.







4. Choose a suitable place for attaching the device on your tactical vest or other clothing. Attach TRICS Lite to the chosen place with the attachment clip.

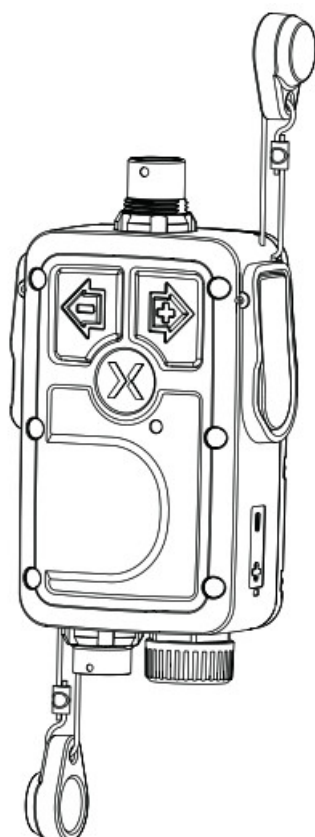


5. Test Audio in both ways (RX and TX)
6. Adjust audio volume to a suitable level (3,4)

**Note!** RX audio is routed separately to left and right ear, when two radios are connected to TRICS Lite

## Menu navigation

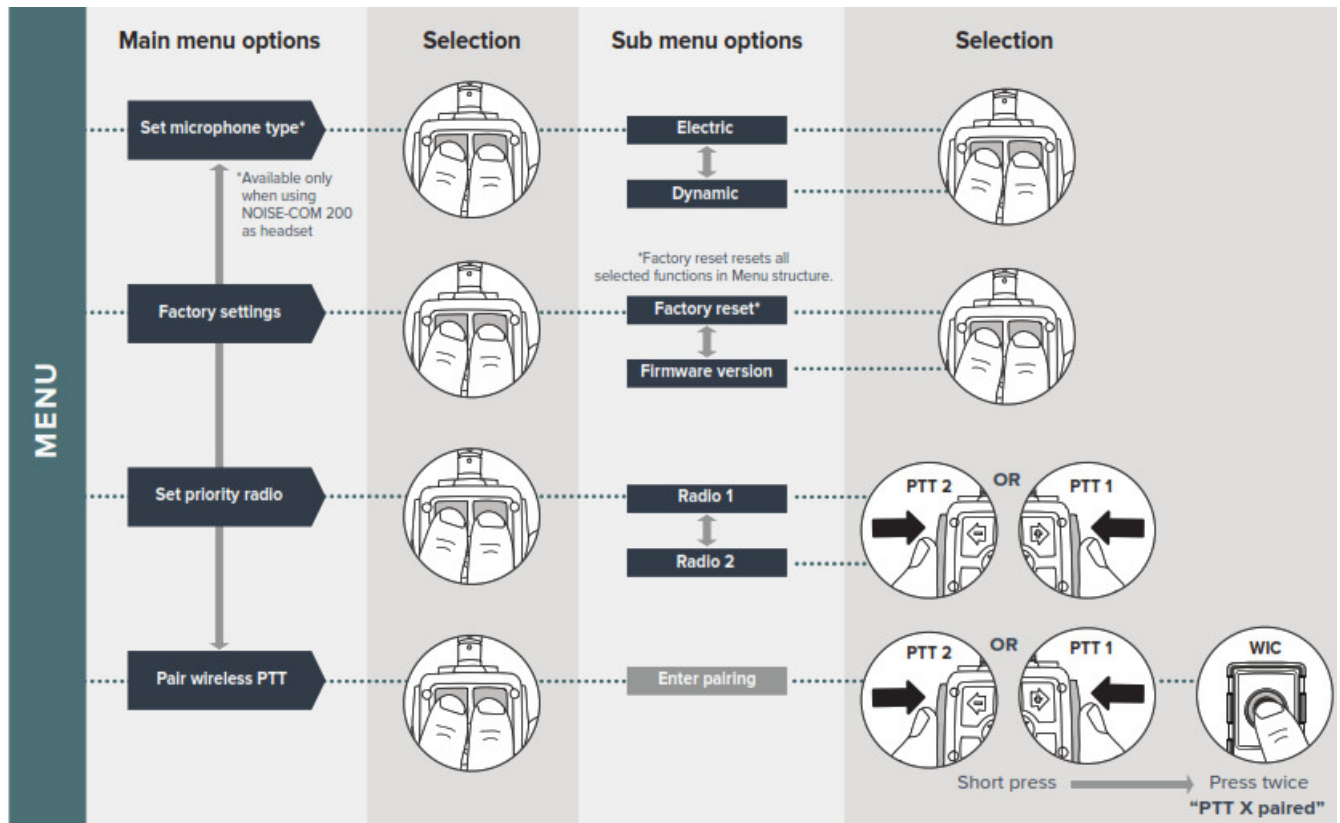
Operation	Buttons
Enter to the main menu / select the option	plus and minus buttons simultaneously 
Scroll the menu to the right	minus (-) button 
Scroll the menu to the left	plus (+) button 
Back to the operating mode / confirm the option selection	No buttons, wait three seconds 



## Menu structure and selections

**Note:** When Device is used with NOISE-COM 100 the menu structure will differ from standard menu presented in the below table. Please see NOISE-COM 100 manual.

**Note:** When the desired selection is chosen, wait 3 seconds and TRICS Lite returns to normal operation mode.



### Controlling SAVOX Noise-COM 100 level dependent operations

When Noise-COM 100 is connected to TRICS Lite, the device will automatically detect the headset and activate the level dependent control menu in the volume control buttons.

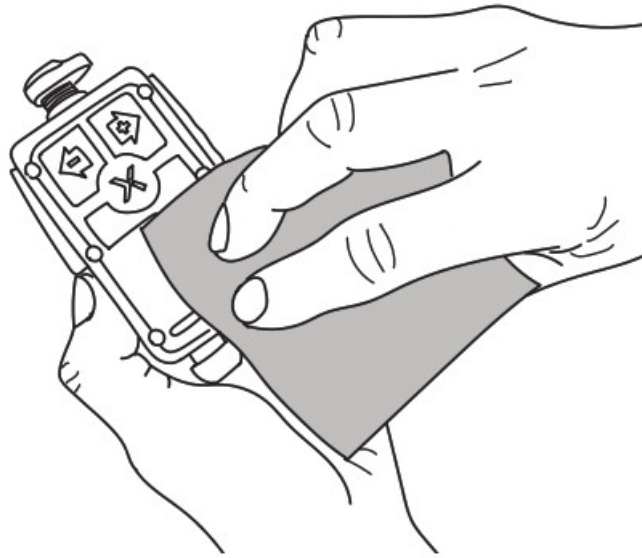
Level dependent functionality and use is described in NOISE-COM 100 User Manual, in the level dependent operations section.

**Note:** when Noise-COM 100 is connected, volume control buttons will control level dependent volume instead of radio volume. To activate radio volume adjustment, press and hold Vol- button until a voice prompt is heard. After this, volume buttons adjust radio volume in headset. TRICS Lite standard menu can be accessed in radio volume adjustment mode. To exit radio volume adjustment mode, repeat Vol- button press until a voice prompt is heard.

**Note:** When TRICS Lite is not connected to a radio, an AAA battery needs to be installed to the device for use of NOISE-COM 100 hear through functionalities.

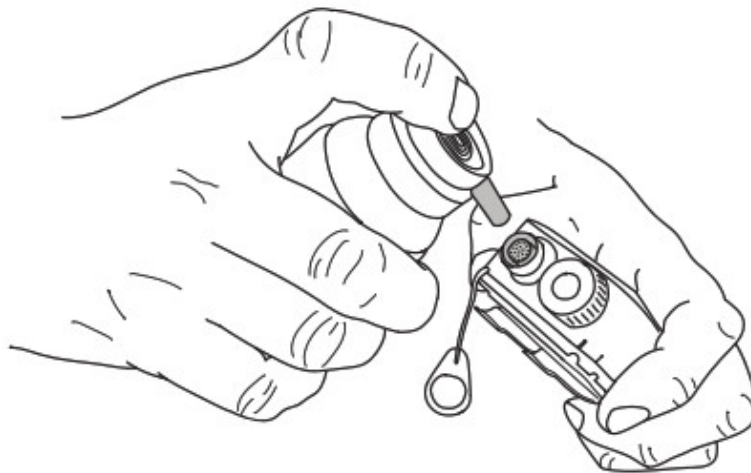
### Cleaning and maintenance

The unit can be cleaned with a damp sponge or soft brush and diluted dishwashing liquid.



Clean the connectors and use Vaseline spray on the audio connector (female headset plug) twice a year (SAVOX recommends TURBO OIL PRF 290m manufactured by Taerosol, or similar type of lubricant).

**CAUTION:** Avoid immersing the unit in water and do not apply solvents or similar caustic chemicals!



## Compliance



Radio Equipment Directive 2014/53/EU:

Standards:

EN 300 328

EN 301 489-1

EN 301 489-17

EN 55032

EN 55035

EN 62368-1

US FCC

FCC ID: TUFTRICSLITE

This device complies with part 2 and part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 2 and part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate



radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying

RF exposure compliance. To maintain compliance with FCC RF exposure compliance requirements, please follow the operating instructions as documented in this manual.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### **Canada ISED**

**IC ID: 6574A-TRICSLITE**

This Category radio apparatus complies with Canadian RSS-102 and RSS-247

Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

### **Warranty**

For warranty terms please contact an authorized distributor.

This product is for professional use.

Savox reserves all the rights to changes.

#### **Savox contact info:**

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### **FCC Statement**

1. This device complies with Part 15 of the FCC Rules. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### **NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

#### **Reorient or relocate the receiving antenna.**

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
Consult the dealer or an experienced radio/TV technician for help.

### **SAR Information Statement**

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. \* Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use on the body, as described in this user guide, is 0.023W/Kg(Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on.

FCC ID:TUFTRICSLITE Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. \* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (WW/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

### **Body-worn Operation**

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

### **IC STATEMENT**

This device complies with Industry Canada licence-exempt RSS standard(s) Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue.

The highest SAR value for this model phone when tested for use on the body is 0.033 W/Kg.

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.



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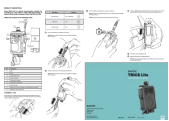
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[savox.com](http://savox.com)

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## Documents / Resources



[SAVOX TRICS Lite Communication Controller](#) [pdf] User Guide  
TRICSLITE, TUFTRICSLITE, TRICS Lite Communication Controller, TRICS Lite,  
Communication Controller, Controller

## References

- [FC Federal Communications Commission | The United States of America](#)
- [CTIA - Home](#)