



## RISE – SimClever Education Laryngoscope User Manual



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## 1. INTRODUCTION

### **“SimClever; Mobile (Hybrid) Simulation Solutions.”**

Introducing SimClever – the revolutionary mobile sim-based education solution that enables you to learn anytime, anywhere, just like carrying a sim centre in your backpack!

With SimClever, you no longer have to worry about breaking equipment or facing technical difficulties. We have developed cutting-edge software that solves most problems, ensuring a seamless learning experience.

What’s more, our innovative platform decreases the time it takes to learn how to make sim-based education! That means you can start seeing results and mastering new skills faster than ever before.

And with our advanced C-Control unit, managing all your SimClever products has never been easier. You can seamlessly control and coordinate multiple devices, ensuring they work together in perfect harmony.

Don’t settle for traditional education methods. Join the SimClever revolution and start learning smarter, not harder. Get started with SimClever today!

**“Medical simulation anytime, anywhere!”**

## 2. ITEM CHECKLIST

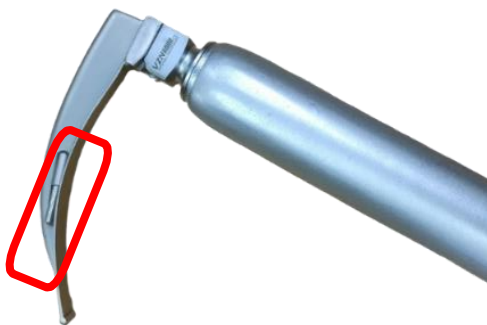
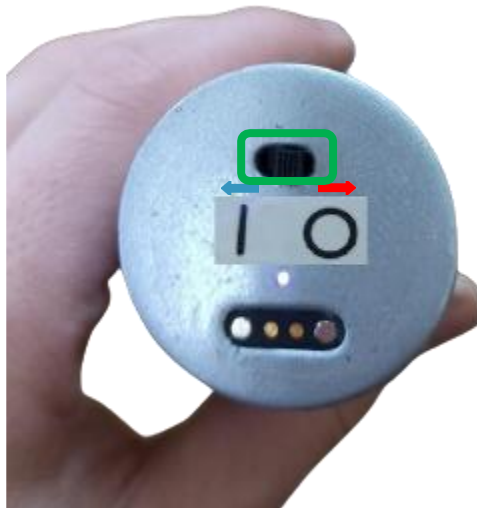
- 👤 Control Module
- 👤 SimClever Education Laryngoscope
- 👤 Charger

## 3. INSTRUCTIONS

### 3.1. On / Off

The switch at the base of the laryngoscope should be used to open and close the laryngoscope.

#### ON OFF SWITCH



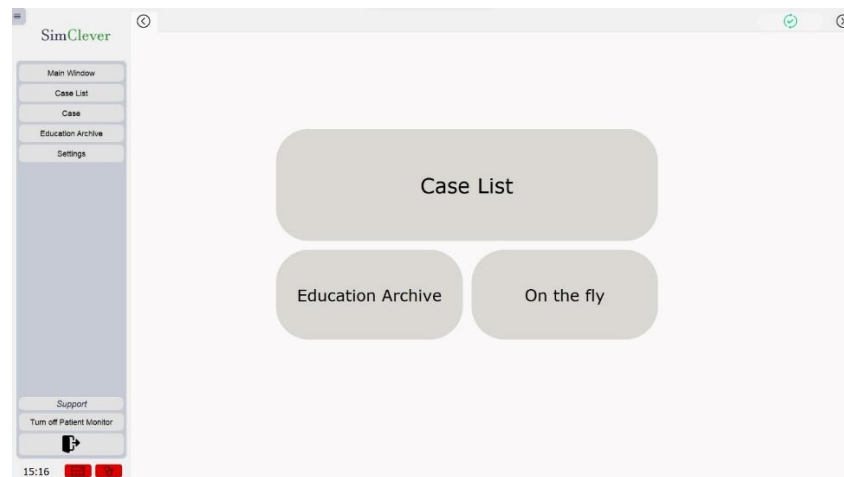


### 3.2. Connection to App

Launch the "Control Module" application in the Control Module and log in.

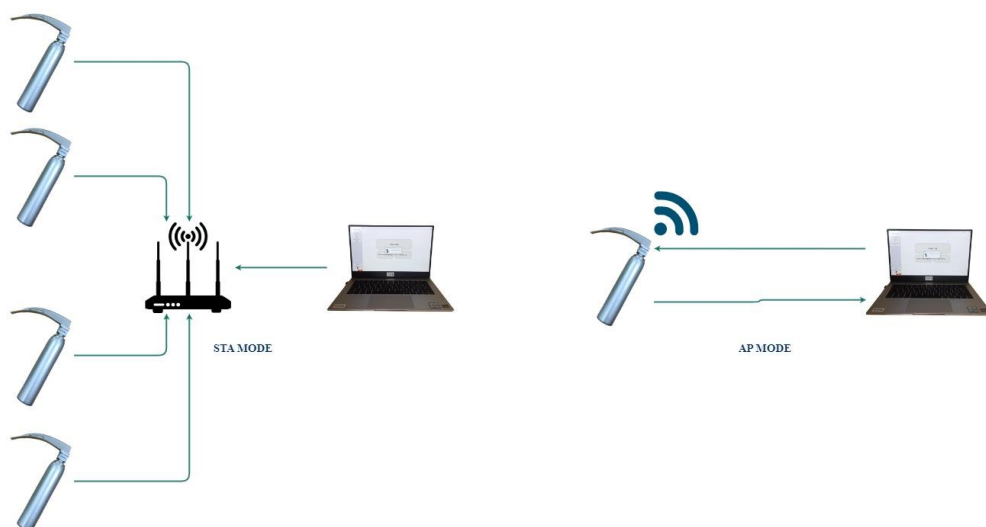


Select a case from the case list or enter on-the-fly mode.



After approximately 1 minute of opening the laryngoscope, a blue LED will start to illuminate. The readiness of the laryngoscope for use can be monitored from here.

The laryngoscope can be used in two different modes: Access Point Mode and Station Mode.



### 3.2.1. AP Mode

In Access Point Mode, the laryngoscope broadcasts a network, and the control module should be connected to this network for operation. In this mode, to switch between laryngoscopes, the Wi-Fi network connected to the control module needs to be changed.

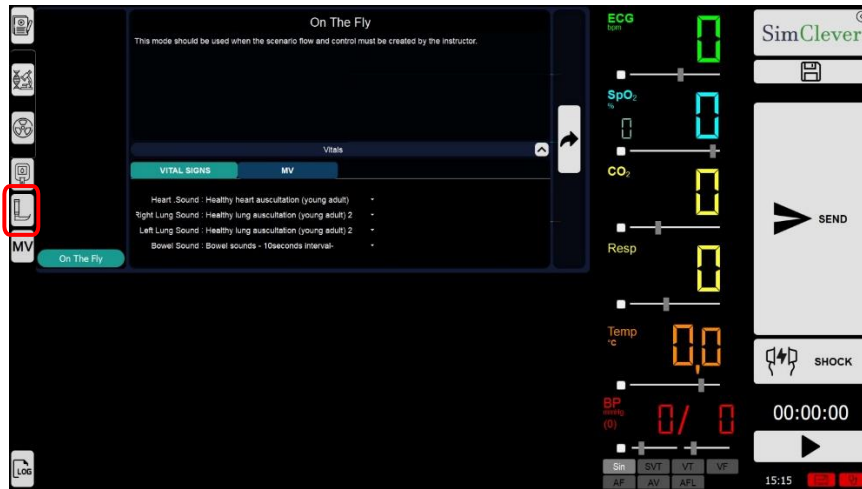
When the laryngoscope is opened, it will broadcast a Wi-Fi network along with its serial number. Connect to this network from the control module and ensure that the connection is established.

SSID: RTCLARYxxxx

Password: simclever12345



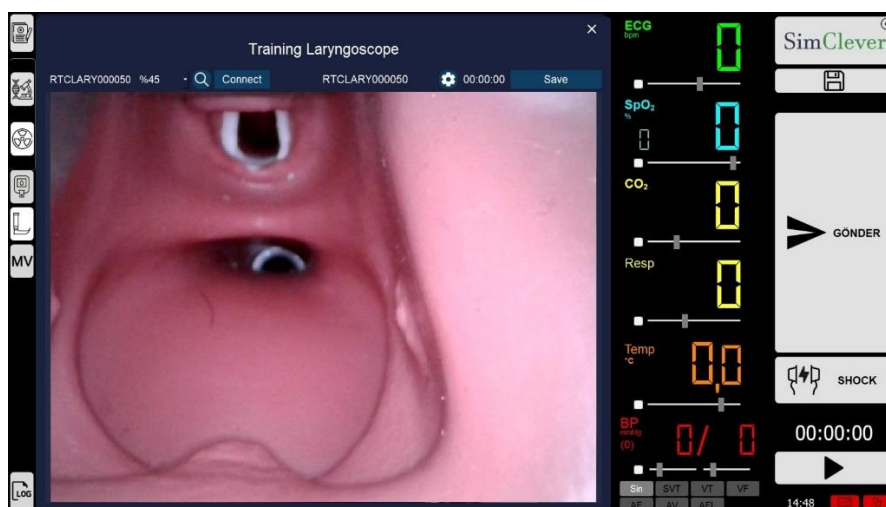
Go back to the control module and click on the Laryngoscope tab on the left hand side.



In this section, you can find the broadcast and settings of the SimClever Training Laryngoscope.




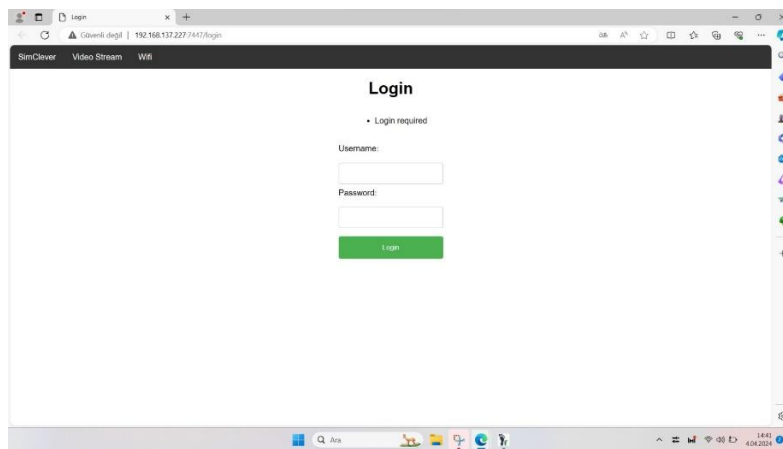
When you click on the magnifying glass icon, the laryngoscope connected to the control module will be displayed. Click the "Connect" button to connect to the broadcast.







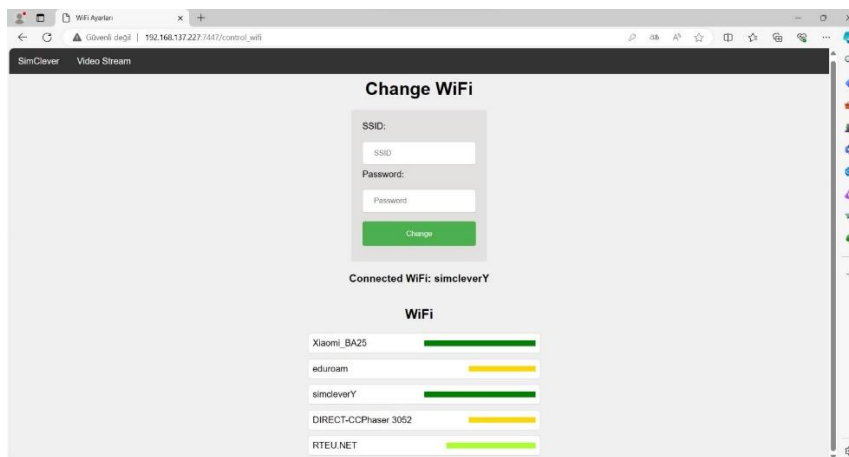
By clicking on the settings  icon in the top right corner, you can open a web page where you can change the Wi-Fi network your laryngoscope is connected to. In this web page, you can switch to the "Video Stream" tab to watch the broadcast as well.



Username: simclever

Password: simclever54321

After successfully entering the username and password, you can connect the laryngoscope to the desired Wi-Fi network by entering the SSID and password on the opened page. After completing the connection, wait a few seconds and refresh the page to continue where you left off in the application. To reconnect to the broadcast, you can click on the "Video Stream" tab or return to the Control Module from the tabs above.



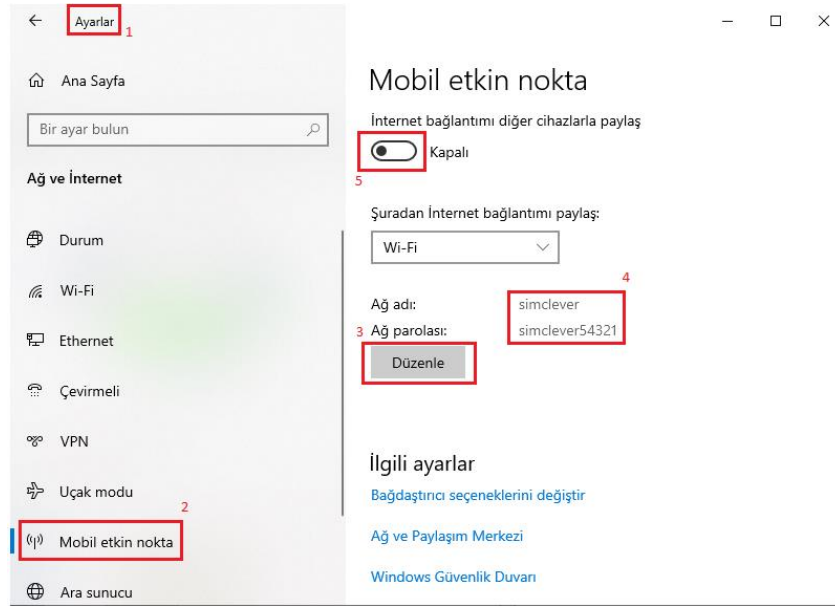
### 3.2.2. STA MODE

For basic use, the mobile hotspot of the device on which the control module is installed must be activated.

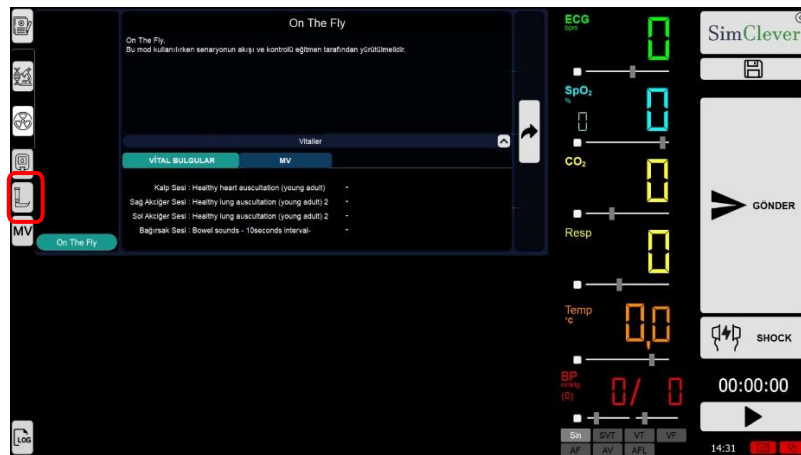
In order to use the laryngoscopes in Station Mode, the laryngoscopes and the control module must be connected to the same network. Laryngoscopes will be connected to the network given below by default. Set the control module mobile hotspot settings as follows. The laryngoscopes will connect directly to the control module.

SSID:simclever

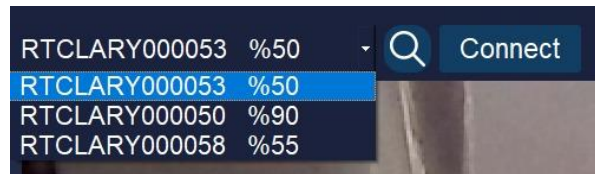
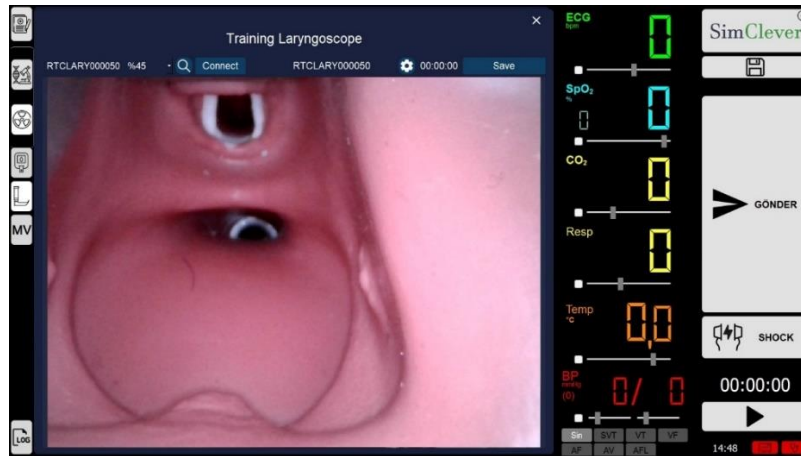
Password:simclever54321



**NOTE:** To customise your network, follow the procedures in section 3.2.1. to connect the laryngoscopes to the desired network and update your mobile hotspot accordingly.




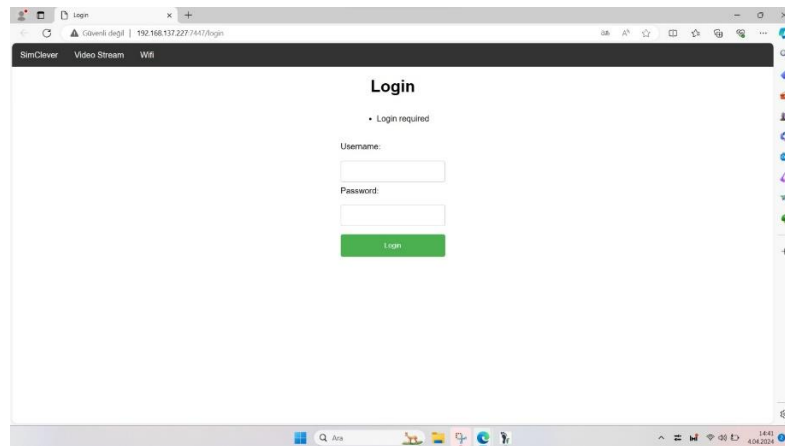
In this tab, you can see the laryngoscopes that are connected to the common network and their respective battery levels.



When you click on the magnifying glass icon, the laryngoscopes connected to the control module will be displayed. Click the "Connect" button to connect to the broadcast.



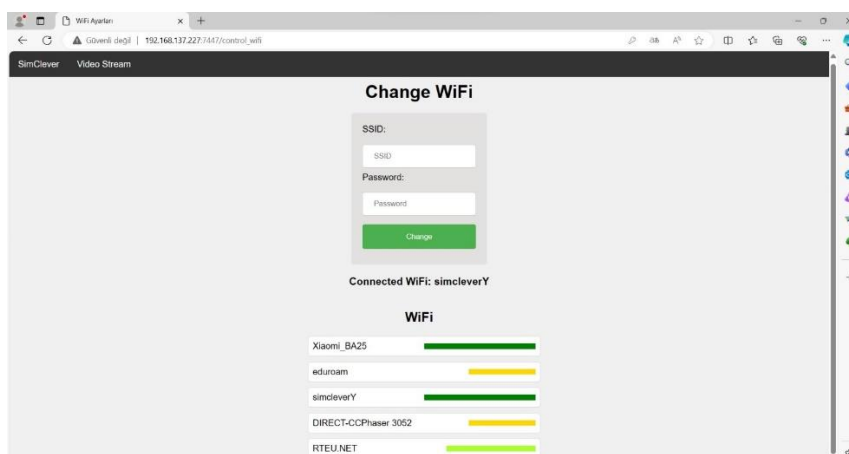
By clicking on the settings  icon in the upper right corner, a web page will open where you can change the Wi-Fi network to which your laryngoscope is connected. You can also watch the broadcast by switching to the "Video Stream" tab on this web page.



Username: simclever

Password: simclever54321

After successfully entering the username and password, you can connect the laryngoscope to the desired Wi-Fi network by entering the SSID and password on the opened page. After waiting for a few seconds, refresh the page to continue where you left off in the application. To reconnect to the broadcast, you can click on the "Video Stream" tab or return to the Control Module.



### 3.3. Recording



When the Save button is clicked, the stream will begin to be saved.



You can stop the recording and select the local address where you want to save it. Later, you can access the saved videos.

#### NOTE

The Laryngoscope and the Control Module must be on a common network. Connect the Control Module to a network with internet access and turn on the mobile access point of the Control Module. You can then use the Laryngoscopes by connecting them to the network emitted by the Control Module.

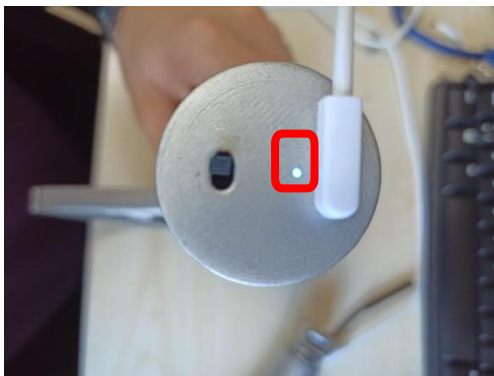
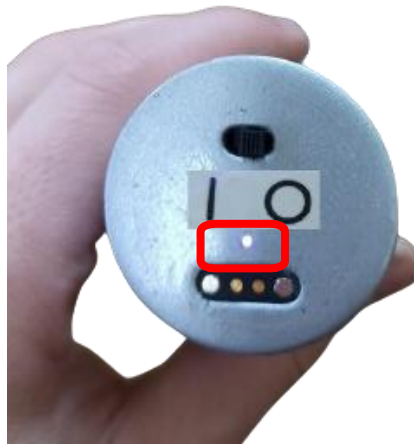
Access Point Mode must be used to connect the Laryngoscopes to a network.

When the laryngoscope is connected to a public network, the broadcast and settings can also be accessed from the web interface using the extension <http://rtclaryxxxxxx.local:7447>.

When multiple laryngoscopes are to be controlled at the same time, laryngoscopes in the common network can be accessed with the extension <http://rtclaryxxxxxx.local:7447>.

### 3.4. Charging

When initially powered on, the SimClever Training Laryngoscope emits a red light. The laryngoscope becomes operational after approximately 90 seconds. Upon entering the operational state, a blue LED lights up alongside the red LED. While charging, the red and green LEDs flash intermittently. The red LED flashes when the battery is low.





## 4. SPESIFICATIONS

### 4.1. Battery

3.7V Li-ion battery is utilized. It operates continuously for up to 10 hours on a full charge.

### 4.2. Charge

- 👤 Input Voltage: 5V
- 👤 Charging Current: 1A (maximum 3.4A)

**Note:** Charging the device with 5V 1A can extend the battery life.















Intelligent temperature control and over-temperature protection, integrated output overvoltage protection, short circuit protection, overload protection, integrated overcharge and overdischarge protection are available.

### 4.3. Communication

SimClever Education Laryngoscope communicates with the control module via the public WiFi 2.4 GHz network. It provides effective communication and uninterrupted broadcasting within 10 meters.



## 5. CAUTIONS

-  SimClever Education Laryngoscope is a simulation device. It is not intended for use on actual patients.
-  Use of the SimClever Training Laryngoscope outside of educational materials and simulation scenarios may negatively impact device performance and pose a risk to the user.
-  This device is not intended to be used as a medical diagnostic or treatment tool. It does not provide direct consultation for any medical condition and does not substitute for professional medical care.
-  Avoid using the device for medical applications outside of simulation training.
-  Real patient care should be conducted using appropriate medical equipment and procedures.
-  When you do not use the device for a long time, leave the switch in the off position to prevent the battery from being discharged.
-  Please ensure that a short circuit does not occur while using the magnetic charging input. If a short circuit occurs at the charging input, the device will automatically enter protection mode and shut down. After ensuring that the short circuit has been resolved, the device should be turned off and on to check its normal operating condition. If the device still does not work, please contact authorized service for assistance.
-  If you cannot get an image, first make sure that the device is turned on and its battery is not empty. If you cannot receive an image even though your device is on, check the Wi-Fi connections. If your problem is still not resolved, please contact technical service.
-  Do not use in the washing machine, dishwasher or dryer. Do not iron. SimClever Education Laryngoscope is not suitable for dry cleaning. Please do not send it to dry cleaning.
-  Do not clean the handle of the SimClever Training Laryngoscope with substances containing alcohol, acetone, or paint remover properties.
-  When cleaning the camera of the laryngoscope, we recommend using eyeglass cleaning cloths.
-  The SimClever Training Laryngoscope fully charges in 4 hours. Avoid leaving it on charge for longer than this period. Overcharging can shorten the battery life and pose safety risks.
-  Avoid exceeding the specified maximum charging current and voltage of the battery. Charging beyond the specified values can damage the battery.
-  Pay attention to preventing the battery from overheating during the charging process. If overheating occurs, stop the charging process and allow the battery to cool down.

- 🦶 Avoid leaving the device in excessively hot or cold environments. The optimum operating temperature is between 21-50 °C.
- 🦶 Do not intervene with the device using cutting or piercing tools. In cases of the device falling, breaking, piercing, or cracking, please contact technical support.
- 🦶 In case of malfunction during the warranty period, have it repaired only at authorized service centers.
- 🦶 Do not interfere with the interior of the device.
- 🦶 Do not expose the device to water or other liquids.
- 🦶 If water enters the interior of the device for any reason, stop use immediately and contact the authorized service.
- 🦶 Only use the device for the purposes for which it was designed. Never use it for any other purpose.
- 🦶 Keep the device out of reach of babies and small children.

## 6. TECHNICAL SUPPORT

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

[www.linkedin.com/company/simclever/](http://www.linkedin.com/company/simclever/)

[www.youtube.com/@simulationclever](http://www.youtube.com/@simulationclever)

[x.com/KanburogluKenan](https://x.com/KanburogluKenan)

[www.facebook.com/SimClever](http://www.facebook.com/SimClever)

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