Versjon 2.06
This user manual applies to the the model AV1b

Contact
Should you experience any issues, or is there something you would like to share with us, contact us via the chat in the application, per telephone +47 908 74 495 or email us at support@noisolation.com.

CAUTION
Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
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Get to know your AV1

AV1 can come with you wherever you go.

As long as AV1 is charged, it can be used wherever there is mobile phone coverage. As such, it works just as well in the classroom, in recess, on school trips as at home or at a friends house.

We recommend testing different scenarios, depending on the users needs and wishes of AV1, to best determine what suits your needs.
Picture of AV1 with features - front

- Lights on top of the head
- Microphone
- Eyes with LED lights
- Loudspeaker
- Camera
- Lights at the bottom
Picture of AV1 of specifications - back

Lights on top of the head

Reset button

Charger input
Statues of AV1

It can be useful to explain the different statuses of AV1 to the people who are to interact with the robot. This will allow them to understand how AV1 works, and if necessary perform any troubleshooting on behalf of the user. A separate information sheet for teachers and a informative poster for the classroom can be found digitally so that the information about AV1 easily can be shared with all stakeholders.

Download the information package:
→ noisolation.com/en/av1/information

Connected

AV1 streams video and sound to the user. This is visible as the head of the robot is raised, the lights in the bottom of the robot go from pulsating to lightly glowing, and because the eyes and the top of the head lights up. The battery has a capacity of being connected for approx. 6 hours.

Raise your hand

This shows that the user wants to say something. This is visible as the top of AV1s head lights up with flashes of white light.

Observer Mode

The user prefers to pay attention to the class without actively participating. This is signalled by turning the light on AV1’s head blue. If the user is too tired to actively participate, the blue light signals that she/he wants to observe without being contacted by the teacher and/or classmates. The user can still choose to raise her/his hand, the head-light will then flash with blue light.
**Low battery**

*Means that the battery needs charging.*

This is signaled through a strong and fast-paced pulsating light at the bottom of AV1. Connect AV1 to a charger immediately. Charging takes 8-10 hours, thus we recommend to charge AV1 over night to avoid having to charge during the day.

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**Full battery when charging**

*Means that AV1 is ready to be used.*

When AV1 is fully charged, the lights on the bottom of AV1 stop shining very brightly.

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**Turned off AV1**

*Means that all power is off.*

When AV1 is off, the head drops and all lights are turned off. The only occasions where AV1 needs to be off is when flying or sending it through post. To turn AV1 completely off, press ones on the button next to the charger entrance on the back of AV1. Use a bullet-point pen or the like to reach the button. To turn AV1 back on, press the same button or connect it to a charger. It takes approximately 60 seconds from AV1 is turned on until it is connected to internet and available in the application.

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**Standby-mode**

*In Standby-mode, AV1 has a full battery and is ready to be used.*

This is signaled through a weak and pulsating light at normal pace at the bottom front of AV1, a dropping head and no lights in the eyes and head. The child has not connected yet, but could do so at any time. In Standby-mode, the 4G/WiFi-coverage is indicated through different colored lights at the top of AV1’s head.
Indications of network coverage

1. A red cross across the head indicates no network coverage.

2. 2G-coverage is indicated by orange color. 1 light indicates bad coverage, 4 lights indicate good coverage.

3. 3G-coverage is indicated by blue color. 1 light indicates bad coverage, 4 lights indicate good coverage.

4. 4G-coverage is indicated by green color. 1 light indicates bad coverage, 4 lights indicate good coverage.

5. WiFi-coverage is indicated by 4 white lights at the back of the head.
Troubleshooting

If your AV1 or AV1-App is not working as it should, try our steps for troubleshooting. If you still have problems and need help, either contact us through the chat in the app, call us at +47 908 74 495 or email us at support@noisolation.com.

Restart Application
If you are unable to connect to AV1, try restarting the Application on your phone or tablet. You do this by forcing termination of the App. On iPhone, you double-click on the Home-button. Recently used Apps will present themselves. Swipe right or left to find the AV1-App. Swipe the App upwards and out of the screen to completely terminate it. Wait a few seconds, then restart the AV1-App.

Restart AV1
If you are unable to connect to AV1, try to restart your AV1. To turn AV1 completely off, press the button next to the charger entrance on the back of AV1. Use a bullet-point pen or the like to reach the button. Wait 5 minutes before turning AV1 back on by pressing the button again or connecting it to a charger. It takes approximately 60 seconds from AV1 is turned on until it connects to internet and becomes available in the App.

Red cross on top of AV1’s head
If your AV1 has no mobile network or WiFi coverage, it cannot be connected and indicate this by displaying a red cross on top of the head. Make sure AV1 is placed where it has good network coverage. If this does not work or your AV1 should have decent coverage, try restarting it. Remember that AV1 needs some time to reconnect when you move it around.
Overview of the App

Activate your AV1 - guide for getting started

Click on “Activate your AV1” and write in the provided keyword. The keyword only works once for each AV1. If you have already used yours, contact support at +47 908 74 495 or support@noisolation.com to receive a new keyword.

When you activate your AV1, your subscription starts. If you want to pause or stop your subscription, contact support.

Your AV1

Connect
Press “Connect” should you want to connect to AV1, to see, hear and participate in what is happening around the robot.

Information about your AV1
Press the information icon at the top right corner if you want general information about your AV1. On the next page you will see a detailed explanation of this.
Explanation of AV1 - detailed information

- **Last seen**: Shows when the application and AV1 last connected.

- **Status**: Shows if AV1 is "Connected" or "Disconnected". Should it say "Disconnected" it means that the application can not connect with AV1. This can be due to several reasons, e.g. because the robot is out of power or because the mobile phone coverage is too poor.

- **Battery percentage**: Shows what battery percentage was left on your AV1 the last time it connected with the application.

- **Charging**: Tells you if AV1 is charging or not.

- **Network**: Shows if your AV1 is connected to a mobile network (2G, 3G, 4G) or "WiFi".

- **Network strength**: Shows the network strength on your AV1, from 1-5 where 5 is the strongest. Should AV1 be connected to WiFi, the network strength will be shown as "unknown".

You will find information about your AV1 underneath.

<table>
<thead>
<tr>
<th>Last seen</th>
<th>23 seconds ago</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Connected</td>
</tr>
<tr>
<td>Battery percentage</td>
<td>100%</td>
</tr>
<tr>
<td>Charging</td>
<td>Not charging</td>
</tr>
<tr>
<td>Network</td>
<td>4G</td>
</tr>
<tr>
<td>Network strength</td>
<td>5</td>
</tr>
</tbody>
</table>
Illustrations of AV1 with symbol explanations

1. AV1 is ready to connect

2. AV1 is charging.

3. Low battery, AV1 should be charged.

4. AV1 has a poor network connection, and should be placed where the mobile phone coverage is better.

5. AV1 does not connect to the internet. This normally means that AV1 needs to be charged, or moved to a place where it has internet coverage.
When AV1 is connected

Control your AV1
You steer AV1 to the left or right by swiping to the left or right on the screen.
You steer AV1 up or down by swiping up or down on the screen.

Voice
”Sound off” means that your AV1 is quiet, and that no-one can hear what you say. This feature is nice to use when there is a lot of noise around you or if you do not want to talk through AV1.

”Low” means that what you say is conveyed as a whisper though AV1. This feature is nice to use when you want to speak to the person sitting next to you or when working in small groups.

”Normal” means that what you say is conveyed in a normal voice. This feature is nice to use when you wish to say something in class or when working in larger groups.

Participating or not
”Participating” signals to people around AV1 that you want to participate in what is happening, this includes being talked to when that falls naturally. The class notices this as the head lights of the robot lights up in white.

”Not participating” signals to people around AV1 that you do not wish to be spoken to directly, rather that you want participate passively. This feature is nice to use when you feel ill and as such unable to participate actively. The class notices this as the head lights of the robot lights up in blue.
Questions
The ”Questions?” button can be used when you want to ask the teacher a question, or raise your hand to answer a question asked by the teacher. To end the feature press the icon of the hand showing up above the photo of AV1. When you signal to raise your hand, the top lights will start to blink. After a while the blinking ends of its own. Press the button again if you have yet to receive attention from the teacher.

Disconnect
Press ”Disconnect” if you wish to disconnect from AV1. To confirm this choice press the red phone icon that shows up on the screen. AV1 will then disconnect, lower its head and the lights in the eyes and on top of the head will turn off. This is to signal to the people around AV1 that you are no longer connected.
Help

Chat with support
Here you can contact us with questions or if you want to say hello, give us feedback or any other information. Write us a message, and we will reply as fast as we can.

FAQ and trouble shooting
In this section you will find frequently asked questions from our users along with help to perform trouble shooting if something is wrong with the connection to AV1. If you find that something is missing, do not hesitate to send us a message in ”Chat with support” to tell us about it.

User manual
Here you can read the last version of the user manual, and find information about the Application and AV1.

WiFi-network
On this page, you can add and remove WiFi-networks available for your AV1. The robot and phone/tablet does not need to be in the proximity of the network when adding it in the app, but you need to know the name and password of the network. Some networks require an additional username. To add WiFi-networks, the robot needs to have 4G-coverage. Consequently, a robot without coverage needs to be placed somewhere with coverage before it can connect to WiFi.
Change your secret password
Here you can change your secret password. If someone other than you knows your password, it is important that you change it immediately. If you forget your password, contact support for help at +47 908 74 495 or support@noisolation.com.

Remove your AV1
Remove your AV1 if you are done using it or want to remove it from your unit. If you wish to unlock your AV1 after removing it, you will need a new keyword. Contact support at +47 908 74 495 or support@noisolation.com.

Do you have problems with the Application that prohibits you from contacting support via chat? Contact us at +47 908 74 495 or email us at support@noisolation.com.
Technical specifications for AV1b

Dimensions
Weight: ≈ 1kg
Height: 26.8 cm
Width: 17.5 cm
Depth: 12.9 cm

Lights
2 pcs white LED-eyes
16 pcs RGB LED in the top
2 pcs white LED at bottom

Media
8 ohm loudspeakers
Electret microphone
13 Mpix camera
Mobile network: GSM (2G), UMTS (3G), LTE (4G)

Battery
Size: 4 cell Li-Ion, 14Ah
Voltage: 3.6 V

Power
Usage: ≈ 1.5A
Standby: ≈ 500mA
At least 6 hours usage
At least 12 hours standby

Charger
Micro USB = 5V 2A, model number: T5454DV
Only the supplied charger should be used.
Safety and maintenance

WARNING: If you do not follow the safety instructions, there is a risk for electrocution or destruction of AV1. Read the safety information below before using AV1.

Charging
Keep the battery charged at all times. If the battery is discharged over time, it will lose capacity and over time all function (six months). Charge AV1 every night when it is used regularly. If you are not using AV1 for a longer period, fully charge it then turn it completely off.

Handling
Handle AV1 with care. It is made of plastic and contains sensitive electronic components. The components and the battery might be damaged if AV1 is dropped, burnt, or in contact with fluids.

Keep AV1 away from ovens and other heat sources, as these might overheat and damage the battery or components inside AV1. If AV1 is dirty, clean it with a damp cloth.

Service and repair
Do not open AV1 and do not try to repair AV1 yourself. Disassembling AV1 can cause damage to the unit. If AV1 is damaged or not functioning as it should, contact support.

Battery
Do not try to replace the battery in AV1 yourself. It can only be replaced by our service department. Wrongfully replacement or reparation might harm the battery, cause overheating or personal injury. The battery needs to be recycled or disposed of separately from general waste. Do not burn the battery.
No Isolation