



EscalatorVR

Module tutorial



Table of contents

1.	GENERAL	3
1.1.	Description	3
1.2.	Required accessories.....	3
1.3.	Patient setup	3
2.	Settings	4
2.1.	Session settings	4
2.1.1.	Settings	4
2.1.2.	Environment	5
2.1.3.	Sides	6
3.	Module.....	7
3.1.	Session	7
3.1.1.	Travelator environment:.....	8
3.1.2.	Escalator environment	8
3.2.	Shortcuts	9
3.3.	Results	10
3.3.1.	Summary results.....	11
3.3.2.	Report and charts	11



1. GENERAL

1.1. Description

ESCALATORVR is a software used to reintegrate everyday activities, the treatment of scrolling syndrome and acrophobia as well as work on parachute reflexes.

The patient is placed in front of a treadmill or escalator and must walk “physically” on it and descend at the end.

1.2. Required accessories

VR Headset.

1.3. Patient setup

Standing patient.



WARNING

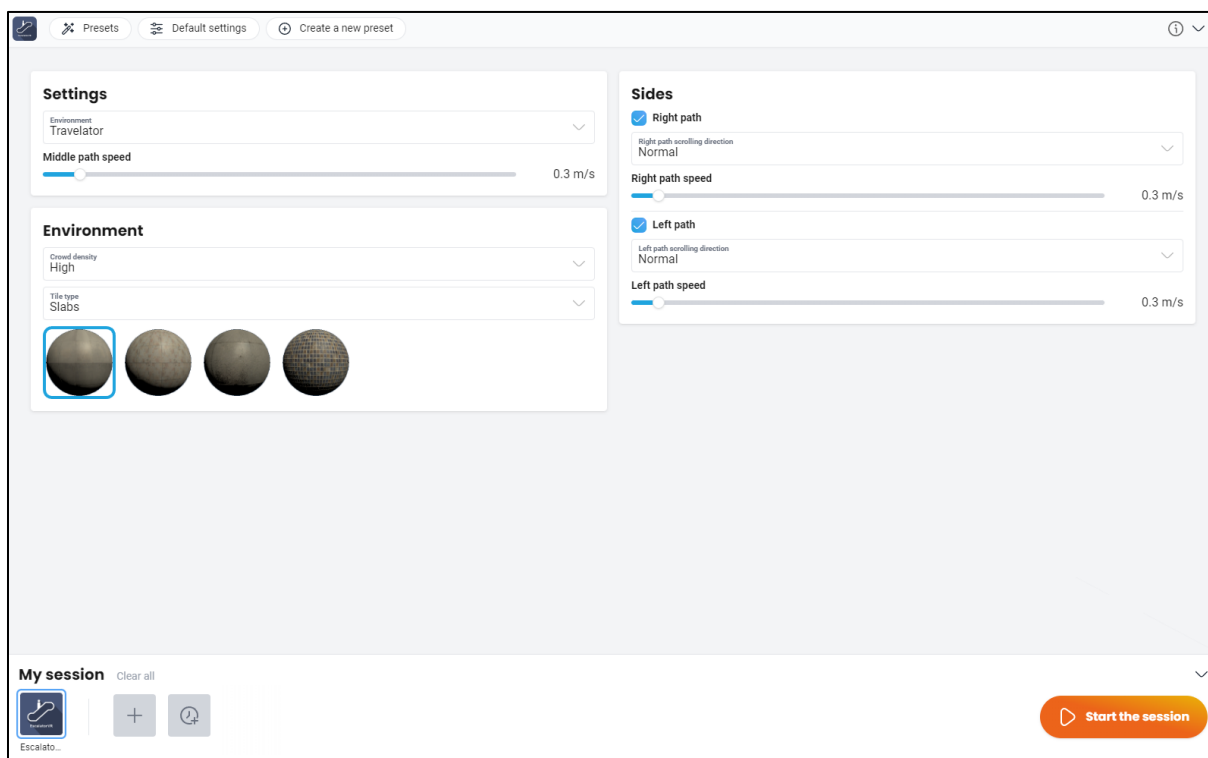
Remain close to the patient when they enter and exit escalators.

High Risk of falling depending on the speed.



2. Settings

2.1. Session settings



The variable settings for this module are as follows:

2.1.1. Settings



Environment:

Two environments are available:

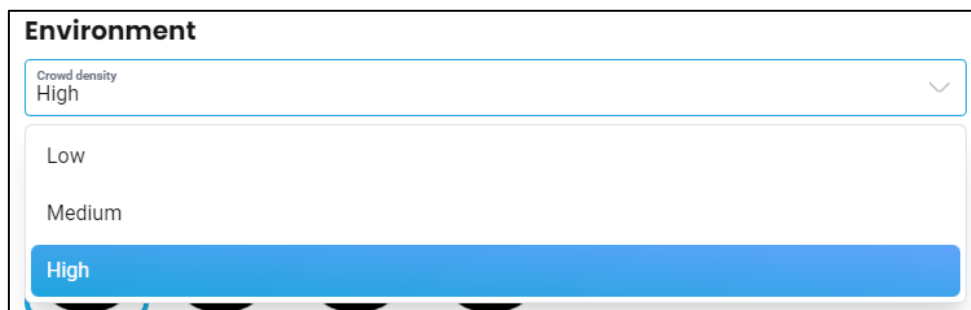
Escalator: Vertical mechanical escalator

Travelator: Horizontal escalator

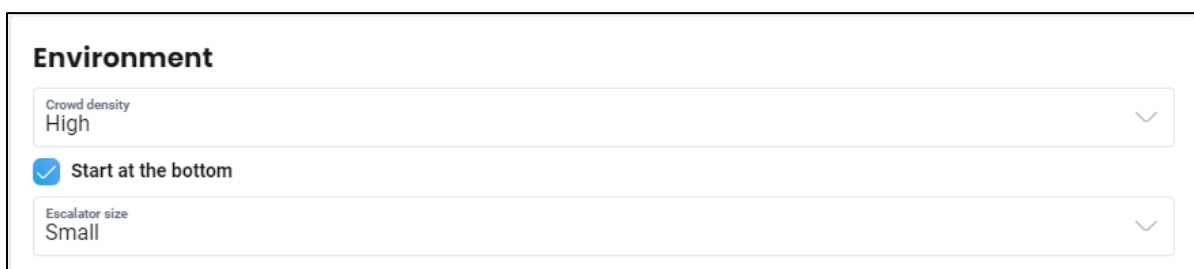
**Middle path speed:**

Movement in meters per second. Speed can be adjusted using the slider.

Value: 0.0 to 4.5 m/s.

2.1.2. Environment**Crowd density:**

Used to set the number of characters on the screen. Three modes are available: **low**, **medium** and **high**.

Settings for the Escalator environment:

- **Start at the bottom:**

The patient's starting position can be set by selecting the "**Start at the bottom option**". They will otherwise start at the top.



- **Escalator size:**

A screenshot of a software interface showing a dropdown menu for "Escalator size". The menu is open, displaying three options: "Small" (highlighted in blue), "Medium", and "Big". The dropdown is titled "Escalator size" and has a small downward arrow icon on the right.

The height of the escalator can be adjusted between three values: **small**, **medium** and **big**. Modifies the distance traveled by the patient.

Settings for the travelator environment:

A screenshot of a software interface titled "Environment". It contains two dropdown menus: "Crowd density" set to "High" and "Tile type" set to "Slabs". Below the dropdowns are four spherical icons representing different tile types. The first icon, which is a plain grey sphere, is highlighted with a blue square border.

- **Tile type:**

Allows you to change the travelator's surface. 4 options are available: slabs, tiles, concrete and mosaic.

2.1.3. Sides

A screenshot of the 'Sides' settings panel. It has a title 'Sides' at the top. Below it are two sections. The first section is for the 'Right path', which is checked with a blue checkbox. It includes a dropdown menu for 'Right path scrolling direction' set to 'Normal' and a slider for 'Right path speed' set to 0.3 m/s. The second section is for the 'Left path', also checked with a blue checkbox. It includes a dropdown menu for 'Left path scrolling direction' set to 'Normal' and a slider for 'Left path speed' set to 0.3 m/s. The sliders are horizontal bars with a white knob and a blue highlight.**Right/left path:**

Checking this option displays the characters in the corresponding path and adds a scrolling effect to the screen.

Scrolling direction:

Changes characters' direction. Can be "**Normal**" or "**Reverse**".

Path speed:

Increases the path speed (in m/s).

Value: 0.1 to 4.5 m/s.

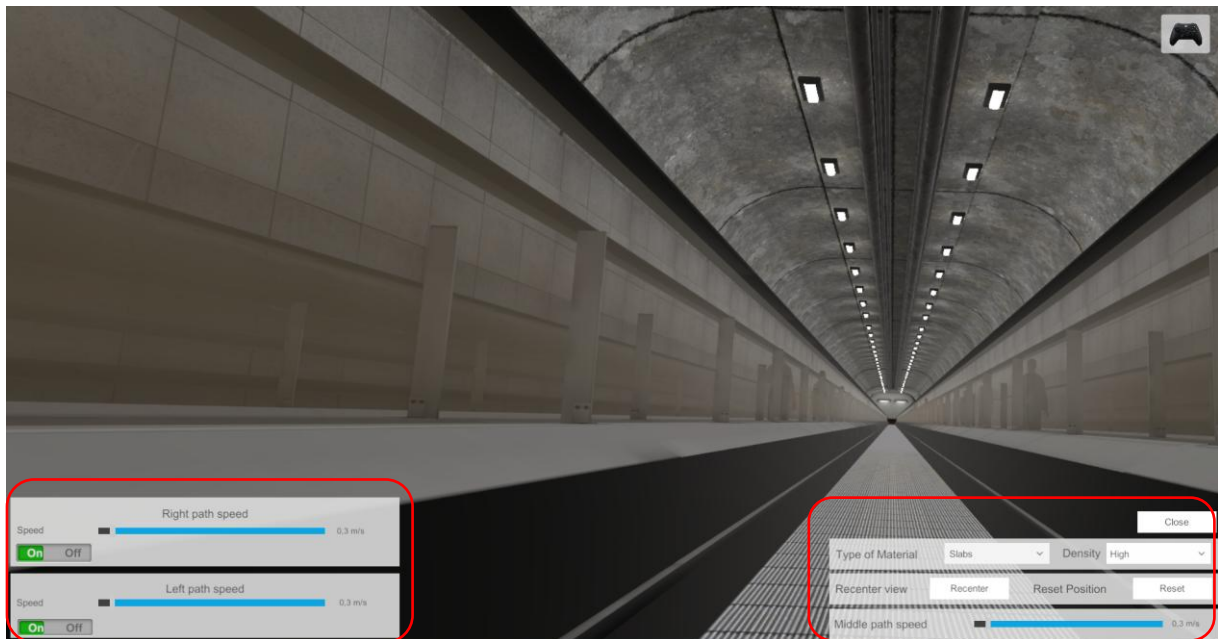
3. Module

3.1. Session

Once the presets have been set, click on "**Start the session**" in the bottom right of the screen.

The patient steps onto the escalator or the travelator by walking towards them. Once the patient has reached the end of the escalator or travelator, they step off of it, and the central path changes direction. The patient can then step back onto it.

3.1.1. Travelator environment:



Bottom left of screen:

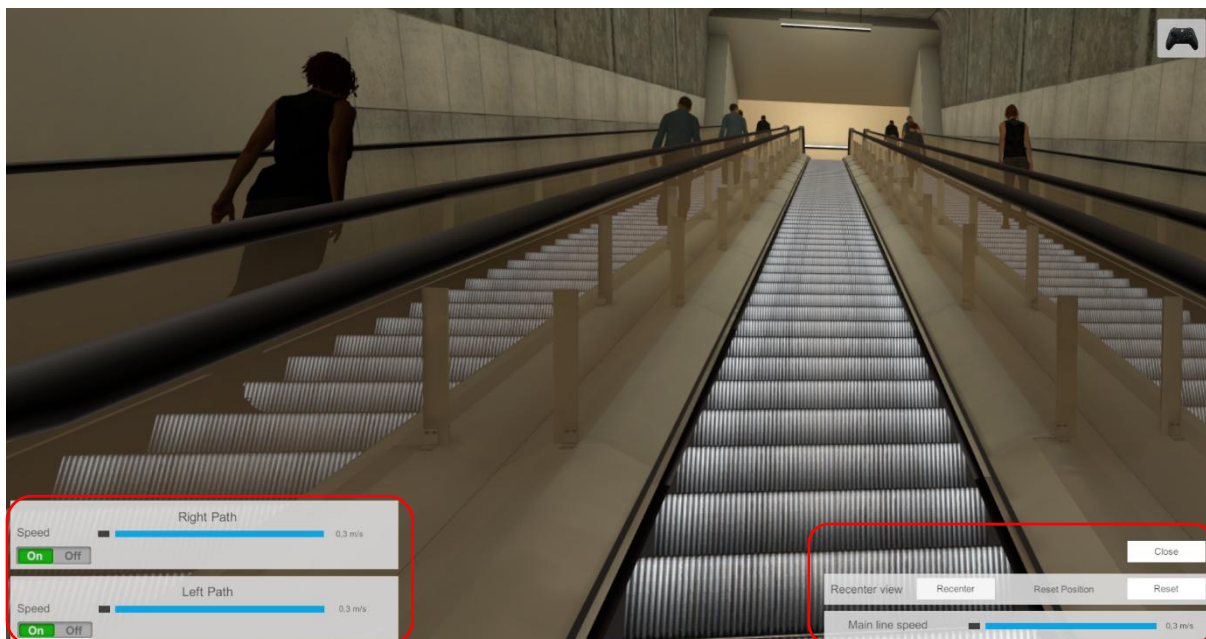
Change the scrolling speed of the left and right paths or stop them altogether.

Bottom right of screen:

Recenter the image, reset the patient's position, change the type of tile or change the speed of the central path.

End the session with the "Close" button.

3.1.2. Escalator environment

**Bottom left of screen:**

Change the scrolling speed of the left and right paths or stop them altogether.

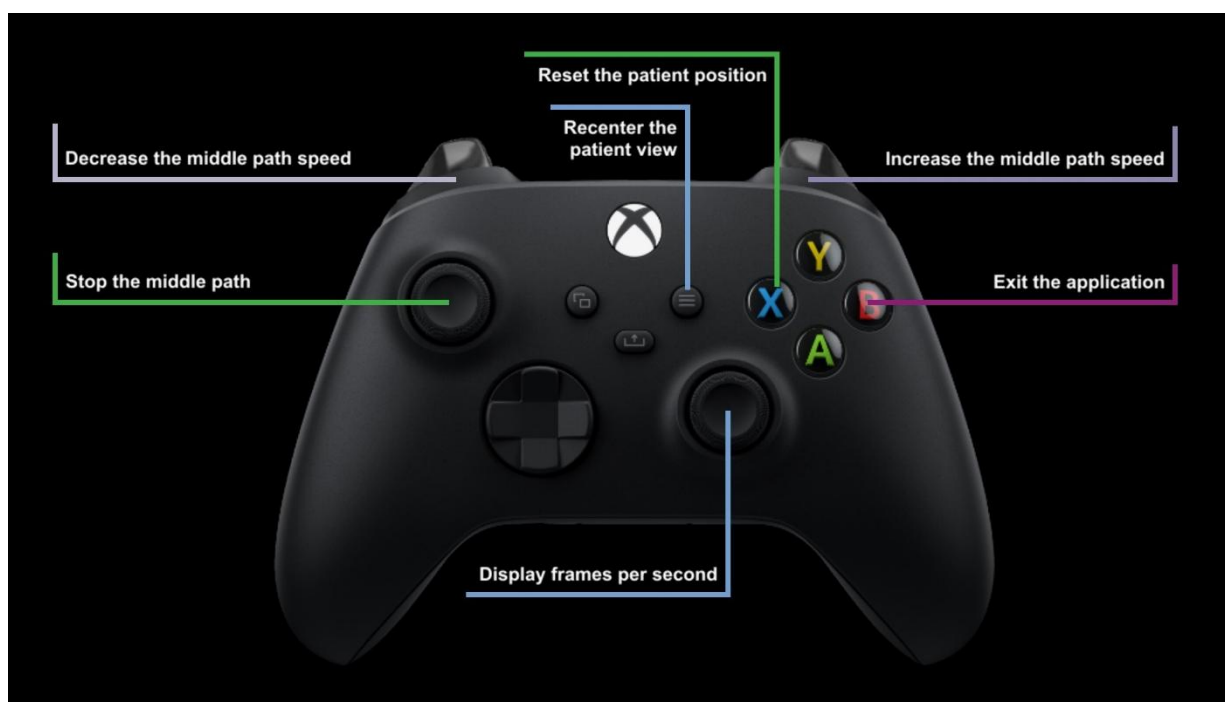
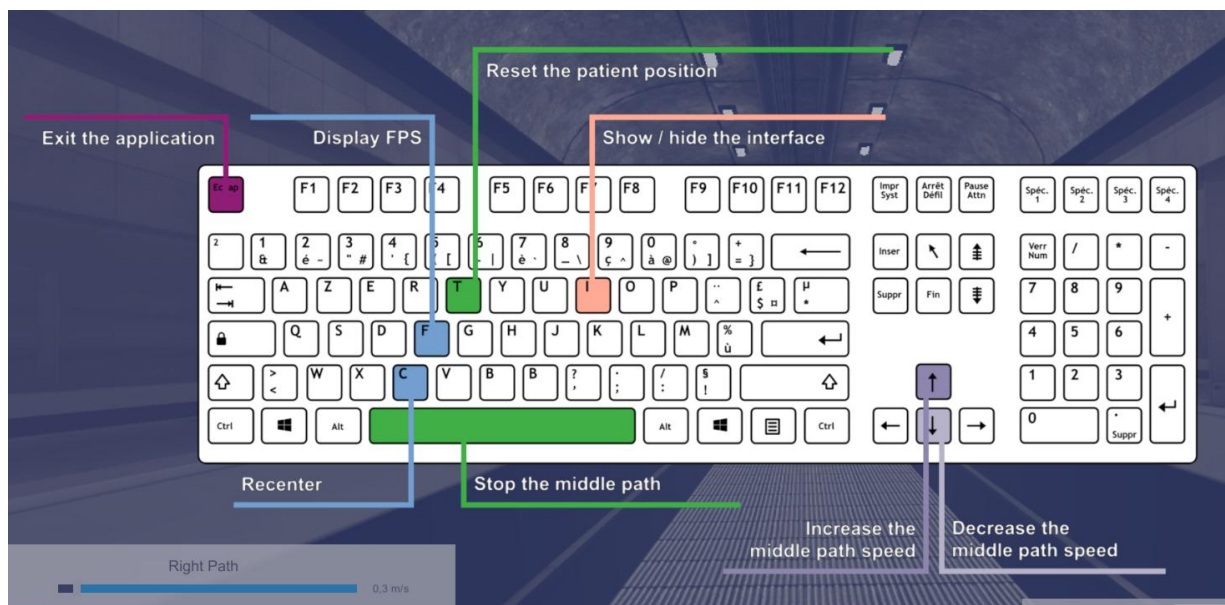
Bottom right of screen:

Recenter the image, reset the patient's position or change the speed of the central path.

End the session with the "**Close**" button.

3.2. Shortcuts

During the session, the shortcut list is found by clicking on the Xbox controller icon in the upper right corner of the screen.



The “Reset the patient position” setting only works when the patient is not standing on the escalator or the travelator.

3.3. Results

Once the session is over, you can access the results.



3.3.1. Summary results

No results are displayed at the end of the session.

3.3.2. Report and charts

Click on the histogram icon to access detailed results and the session report.

Session details
17/04/2025 13:35

EscalatorVR (Travelator)

Parameters

Results

Notes

Name	Initial value	Final value
Environment	Travelator	Travelator
Middle path speed	0.30 m/s	2.90 m/s
Right path	✓	✓
Right path speed	0.30 m/s	0.30 m/s
Right path scrolling direction	Reverse	Reverse
Left path	✓	✓
Left path speed	0.30 m/s	0.30 m/s
Left path scrolling direction	Medium	Medium
Crowd density	High	High
Tile type	Slabs	Slabs

Start session
with initial values

Start session
with final values