

Getting Started with zSpace



Turn on your zSpace by pressing the power button on the top right.

CHECK YOUR SETUP

Sit close to your zSpace and centered in front of the screen.

Avoid sitting too far away from the system or too low in your chair.





Wear these to see in 3D



Wear these to see in 2D



Remember, only <u>ONE</u> pair of tracked glasses can be used for each zSpace.

OR



LAUNCH AN APP

Use your mouse to double-click a zSpace App icon!





What if my stylus beam disappears?



Hold the stylus still for a second, and the beam will reappear!

Use the buttons to select or take action where the beam is pointing.

For ideas and help with zSpace applications, visit **SHED**?



Turn off your zSpace by pressing the power button on the top right.





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ACTION	KEYBOARD COMMAND
STYLE MODES	
Switch stylus modes (move & dissect)	Spacebar
TOOLS	
Take a photo when using the Tools Camera	Hold camera w stylus and press Enter
COMMON ACTIONS	
Select Model	Left button select
Select All / Deselect All	CTRL-A / A
Undo/Redo	CTRL-Z / CTRL+Y
Model Gallery open and close	М
Delete Model	Hold model w/ stylus + Delete
Duplicate	CTRL-D, D
Rotate a model held by the stylus	All 4 arrow keys
MENUS	
Perform "Save" action (prompts "Save As" dialog if it is the first save)	CTRL-S
Open / Close the Help Screen	F1















FUNCTION	KEYBOARD COMMAND
EXPERIMENT TOOLS	
Launch / Reset Experiment	Spacebar
Open Replay and Evaluate Mode	E
Delete Model	Hold model w/ stylus + Delete
Platform Tilt and rotate	All 4 arrow keys
Evaluation Mode - Move frame-by-frame through time slider	Left & Right arrow keys
Perform "Save" action (prompts "Save As" dialog if it is the first save)	CTRL-S
Reset the scene	F5, CTRL-R
Open / Close the Help Screen	F1



O zSpace



Main Menu Body regions, quizzes, animations



Choose systems to add to the model (select again to remove systems)









FUNCTION	KEYBOARD COMMAND
Tilt and rotate the breadboard	Arrowkeys
Enter workbench mode	W
Duplicate	CTRL, CTRL-D, D
Delete model	Select model w stylus + Delete
Perform "Save" action (prompts "Save As" dialog if it is the first save)	CTRL-S
Reset the scene	F5, CTRL-R
Opening Activity Builder	В
Open / Close the Help Screen	F1
Scroll through activities and categories in Content Menu	Up & down arrow keys
Change focus between the categories list and the activity tiles in Content Menu	Right & left arrow keys



HOW TO START THE MOTOR

The amount of current (I) will change the speed of the motor. Minimum current required for motor to spin: 100 mA Motor will burn out when 2 A or more current reaches the motor.

Ohm's Law: V = IR

Where **V** = volts provided by the battery

I = amps of current traveling through the circuit

R = ohms of resistance provided by resistors or the circuit parts such as LED and motor

- WORKBENCH TROUBLESHOOTING



Review the parts of the component to determine if anything is broken or missing.

Use the inventory to replace or add parts.

Click on the 🕔 icon to exit the Workbench and return the component to the breadboard.







FUNCTION	KEYBOARD COMMAND	
Toggle the intersected/hovered object as part of or not part of the selection group	Spacebar	
COMMON ACTIONS		
Tilt and rotate the table	Arrow keys	
Group & Ungroup / Compose & Decompose	Select objects w Left button, then press G	
Toggle the intersected/hovered object as part of or not part of the selection group	Spacebar	
Delete object	Hold model w/ stylus + Delete	
Select / deselect all objects in the scene	CTRL-A or A	
MENUS		
Perform "Save" action (prompts "Save As" dialog if it is the first save)	CTRL-S	
Reset the scene	F5 or CTRL-R	
Duplicate / duplicate selection group	CTRL-D, D	
Open / Close the Help Screen	F1	







Curie's Elements

FUNCTION	KEYBOARD COMMAND
Launch Detailed Element View	W
Rotate through Atomic, Bohr, and Combined Views	Spacebar
Perform "Save" action (prompts "Save As" dialog if it is the first save)	CTRL-S
MENUS	
Reset the scene	F5, CTRL-R
Open / Close the Help Screen	F1
Scroll through activities and categories in Content Menu	Up & down arrow keys
Change focus between the categories list and the activity tiles in Content Menu	Right & left arrow keys



LEOPOLY 3D 🔀 Reference Sheet

OR

1 Choose type of design work



Beginner sculpting with a ball of clay.



Begin design from a prepared shape.



OR

Begin design from animal and human anatomy.

2 Use Toolsets to create your design



3 Saving and Printing

Your saved files can be found in your 'My Documents' folder

To Print: Save your model in STL format and send to the printer



Save Load Model Model

Importing Model to Studio -









model to open

edu.zspace.com

VIVED SCIENCE 💙

Reference Sheet

Using the Stylus -

Make All Opaque

Clear Highlights

Clear Slides

Clear Notes

Link/Unlink Objects



Invert Selection

🗑 Remove Object

Appearance



Change the color and/or transparency of an object.

- Enabling zSpace -

To enable zSpace mode, open the **Settings** menu by selecting the gear icon. Make sure zSpace is selected under **Hardware Platform**. zView can also be enabled here.



- Open Session -

To open a session, select the file folder icon.



To find your saved sessions, navigate to:

C:\Users\Public\Documents\VIVED Science Sessions

edu.zspace.com

Creating a Presentation



Open a new session and design your slide.



Figure 1 - Creating a Slide

When done, click **Add Slide** to create a second slide.

Editing Your Slide



Repeat until your presentation is complete



3

Save session.







Save session as shown in Figure 2.

Changing Slide Order

Use the **Table of Contents** to access the **Settings** Panel. Under the Hardware Platform section, switch from **zSpace** to **Desktop**. Click and hold on the slide, when the bar appears you can move the slide.



GEOGEBRA

zSpace View





