

# MÖBILE

EN - User manual

# About This Guide

The Lü Interactive System User Manual has basic product information such as safety and operation.

## Disclaimer

This information and specifications contained in this user manual are subject to change without notice.

## Important Safety Instructions

1. Read and keep these instructions.
2. Always connect the product to a grounded circuit
3. Do not use this apparatus near water.
4. Clean only with a dry cloth.
5. Do not block any ventilation openings. Use in accordance with the manufacturers instructions.
6. Only use attachments/accessories specified by the manufacturer.
7. Unplug this apparatus during lightning storms or when unused for long periods of time.
8. Do not use Lü system in an environment where temperatures exceed +40°C (104°F).
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
10. To completely disconnect AC power from this apparatus, the power supply cord must be unplugged.
11. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids.
12. Lü loudspeakers are easily capable of generating sound pressure levels sufficient to cause permanent hearing damage to anyone within normal coverage distance. Caution should be taken to avoid prolonged exposure to sound pressure levels exceeding 90 dB.

**IMPORTANT:** Do not modify this product! Changes or modifications not expressly approved by the manufacturer could void the user's warranty.

# Lü Limited Warranty

## **One-Year System Limited Warranty.**

What Is Covered: Lü Interactive Playground inc. (“Lü”) warrants to the original purchaser of the system this limited warranty statement that the product will be free from defects in workmanship and materials for a period of one (1) year from the date of original purchase.

## **Two-Year Projector Limited Warranty and 90-Day Lamp Limited Warranty.**

What Is Covered: Lü Interactive Playground inc. (“Lü”) warrants to the original purchaser of the Epson projector product enclosed in Lü system, with this limited warranty statement that the product will be free from defects in workmanship and materials for a period of two (2) years from the date of original purchase. This limited warranty applies only to the projector and not to the projector lamp, which carries a limited warranty period of ninety (90) days from the date of original purchase. For warranty service, you must provide proof of the date of original purchase.

# Congratulations on your purchase of this Lü Interactive Playground!

*This system was crafted with passion by our team in Canada and we really hope you will enjoy using it for many years to come!*

## What Is Included

### (1) Main Module (5) parts:



#### 1x Main Module

6500 lumen WXGA projector and 3D camera system protected in a custom enclosure



#### 2x Light brackets

Comprising (3) LED RGBW 180w light fixtures



#### 2x Speaker brackets

Comprising 300w speaker

### (1) Portable Stand



### (1) Cushion Kit (14) parts



### Transport case with (2) remote controllers:

- (1) Projector's remote controller
- (1) Lü system remote controller

# Operation

## Playground dimensions and specifications

### Interactive screen

Maximum size: 18' (5.5m) Large x 10.1' (3.1m) High  
Must be a flat, solid, bright surface.

### Game Area

Centred in front of the interactive screen  
Recommended size: 30' (9m) Large x 20' (6m) Long  
Minimum ceiling heights: 10' (3m)  
Maximum ceiling heights: N/A

To maximize immersion, ambient lighting must be controllable. When our system is in operation, general lights must be turned off and no window should allow direct sunlight in the room.

# Operation

## Site and screen preparation

1

### Mark the (4) corners of your projection location on the wall

Ideal position is to set the bottom of the screen at 1 feet (30cm) from the floor. Maximum Width of 18' (5,48m), height of 10.1 feet (3,1m).

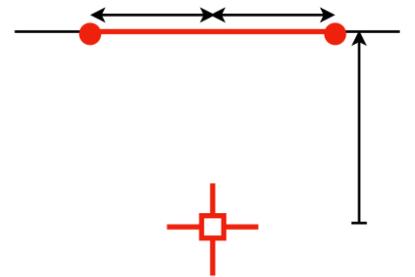
\*\*\*Always respect a ratio of 16:9 for your screen.



2

### Position the lifting tower

Position the lifting tower 19 feet (5.8m) from the wall, centred with the screen. The winch should be facing the opposite side of the screen for easier operation.



3

### Secure lifting tower in place

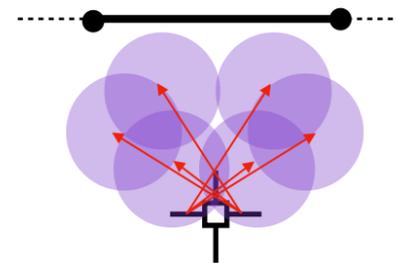
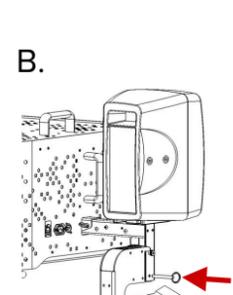
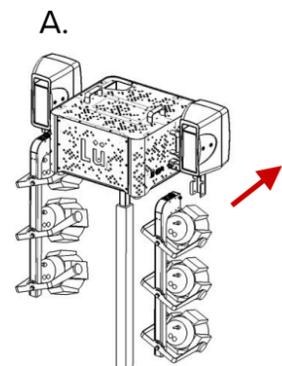
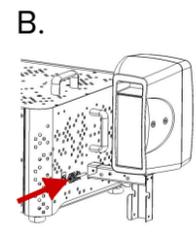
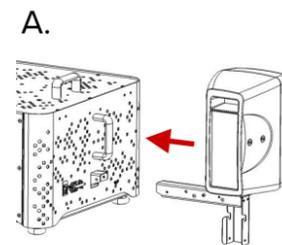
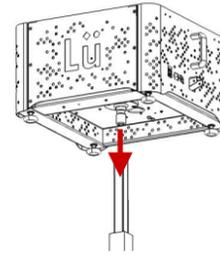
Using the four swivels on the legs, make sure the lifting tower is stable, and set perfectly vertical using the included spirit level.



# Operation

## Assembling the unit

- 1 Install main module on stand**  
The pin beneath main module has to fit inside the pole from the lifting tower.  
**\*\*\*Make sure you screw the lock bolt in place.**
- 2 Install speaker brackets on main module**  
Lock brackets in place using locking pins.
- 3 Install light brackets on speaker brackets**  
Lock brackets in place using locking pin. Position light fixture to light the floor between the screen and the lifting tower.
- 4 Connect all cables from speaker and light brackets to main module.**  
Follow ID codes and colours to connect cables to the right socket.
- 5 Focus light fixtures positions**  
Focus fixtures so the light is directed evenly on the floor, and not on the projection screen.
- 6 Connect power cable to main unit**  
Tie the cable to the top of the lifting tower main shaft using the velcro attach, so when you lift, the cable will stay close to it.
- 7 Turn on the system, and make sure all components are working**  
Plug power cable, turn on projector, and wait for the system to boot. Make sure all components are working properly and adjust sound level if needed on speakers.
- 8 Lift tower to final position (bottom of unit at 10' (3m) from the floor)**



# Operation

## Projector and system calibration

1

### Focus projector into position

\*\*Make sure the projector is turned on, on the right input (you should see Lü's interface from the computer), and the aspect ratio of the projector should be on FULL.

A. Reset geometry settings from previous configurations

#### REMOTE CONTROL BUTTON

GEOMETRY + ESC (during 2sec)

B. Position image to cover the 4 markers on the wall

LENS SHIFT + ARROWS

ZOOM + ARROWS

FOCUS + ARROWS

C. Fine-tune position of the 4 corners on your 4 markers

#### GEOMETRY / QUICK CORNERS

TOP/LEFT + ARROWS

TOP/RIGHT + ARROWS

BOTTOM/LEFT + ARROWS

BOTTOM/RIGHT + ARROWS

2

### Calibrate the camera

A. Select the  button in the settings (  ) menu.

B. Click on the  CALIBRATE button.

C. While the system is calibrating, a calibration grid will appear and after a few seconds the message "Calibration Successful" will display.

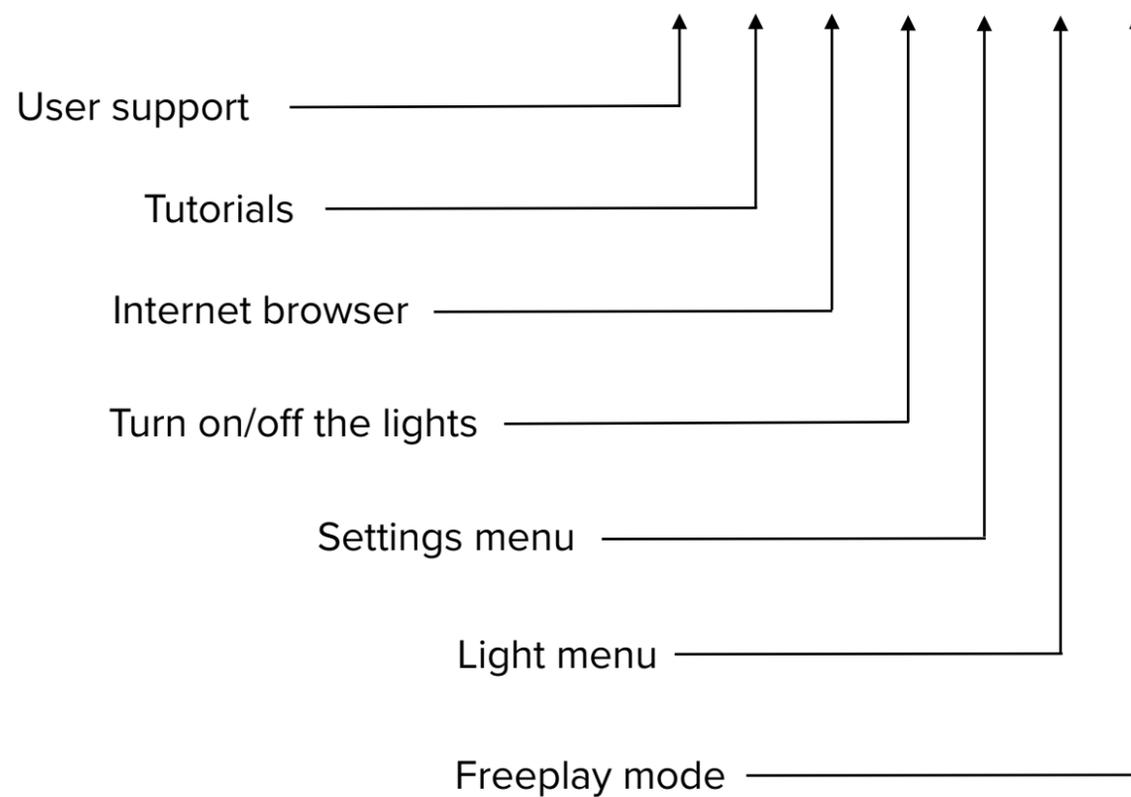
D. Press "Esc" and "Enter" to return to the homepage.

E. Throw a ball within the white section to confirm that the contact of the ball on the wall is now adjusted.

# Operation

## Lü homepage

The round boxes represent the available games.  
Select a game or an option using the yellow frame.



# Operation

## Remote controller



# Operation

## Remote controller - Shortcuts

### General operations

Turn ON/OFF lights (Main Menu): F1

Volume UP: V+

Volume DOWN: V-

Exit Game: Esc + ENTER

Pause Game: SPACE BAR

Choose Game: ←, ↑, →, ↓

Move Selection: ←, ↑, →, ↓

Begin Game: ENTER or OK

Select : ENTER or OK

Exit Lü / Go back to Windows Desktop : Win + D

Move Mouse: Use Trackpad

Left click: One Trackpad Click or Left Click Button

Right click: Double Trackpad Click or Right Click Button

Mute : Mute Button

Drag with mouse : Click on the left click button while moving finger on the trackpad

### Galactic Game

Go to next level: N

### Puzz Game

Highlight errors: B

Change image: N

### Target

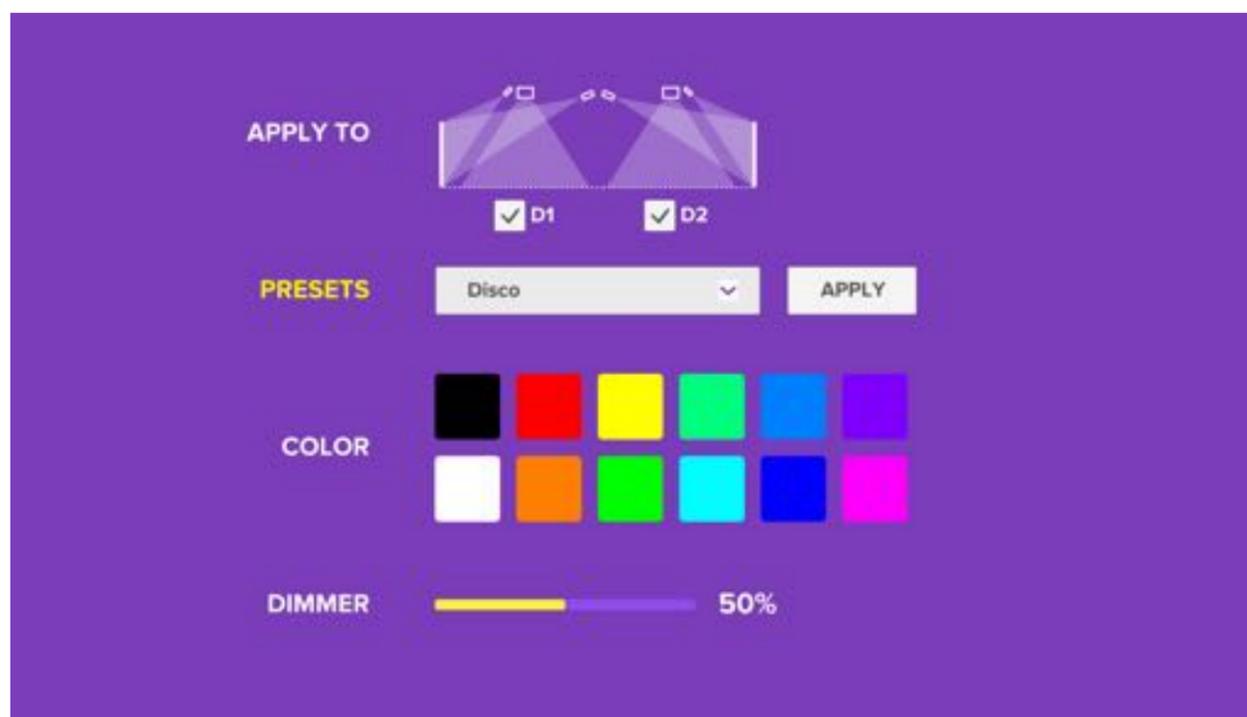
Display settings: O

Reset timer and points:: R

# Operation

## Lighting Application

With the Lü system, you can control the different spotlights for personalized lighting of the room according to the ongoing event (corporate event, school activity, intra-company challenge, fair, gala, show, etc.). To personalize lighting, follow these steps:



1. Select the side of the gym you want to control (D1, D2 or both)
2. To select from the preset list, choose from the dropdown menu and click on the Apply button.
3. To select a color, click on the color you want.
4. You can always adjust the general light level using the *MASTER LIGHT LEVEL* slider.

# Troubleshooting

## **How to turn computer ON?**

Computer will automatically boot connected to a power alimentation. To reboot it, shutdown the power alimentation, wait one minute, and turn it back on.

## **How to turn the projector ON?**

To turn the projector ON, first make sure the modules are powered. Then, press the “ON” button using the projector remote and wait for the image to be displayed. The projector will also boot automatically when it receives electrical power.

# Technical Specifications

					
	MAIN MODULE	LIFTING TOWER	CUSHION KIT	LIGHT BRACKET	SPEAKER BRACKET
INSTALLATION POSITION	On the lifting tower	19' (5.8m) centred in front of interactive screen	Over the lifting tower	On the speaker bracket	On the main module
SIZE (L X W X H) (inches)	23 x 28 x 16 " 58 x 71 x 40 cm	65 x 14 x 14 " 166 x 36 x 36 cm	2 bags of: 36 x 28 x 18 " 92 x 71 x 46 cm	2 brackets of: 37.5 x 11 x 13 " 95 x 28 x 33 cm	2 brackets of: 19.5 x 15 x 10 " 50 x 38 x 26 cm
WEIGHT	68.5 lbs (31 kg)	173 lbs (33 kg)	TBD	21.5 lbs (10 kg)	14.5 lbs (6.6 kg)
POWER CONSUMPTION	888W	N/A	N/A	(included in main module specs)	(included in main module specs)

## Optional transport cases

		
	CASE #1	CASE #2
INCLUDED COMPONENTS	Main module, speakers and remotes	Light brackets
SIZE (L X W X H)	52 x 28 x 26 " 132 x 71 x 66 cm	45 x 16.5 x 25 " 114 x 42 x 64 cm
WEIGHT	192 lbs (87.2 kg)	89 lbs (40.6 kg)

# Complete components documentation

For more detailed information about key Lü MOBILE system components:

## **Video projector - Epson G7000w projector**

<https://files.support.epson.com/docid/cpd5/cpd51161.pdf>

## **Loudspeakers - DB Technology K330 speakers**

[http://www.dbtechnologies.com/public/CMS/Files/777/K300-MAN\\_rev5\\_27072010.pdf](http://www.dbtechnologies.com/public/CMS/Files/777/K300-MAN_rev5_27072010.pdf)

## **PC Computer - Intel NUC**

<https://www.intel.com/content/www/us/en/products/boards-kits/nuc/kits/nuc6i5syh.html>

## Contact information

**For support, any questions or comments on this product:**

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