Simulation Table

LIMO

Quick Installation Guide

1. Introduction to LIMO Simulation Table

1.1 Introduction

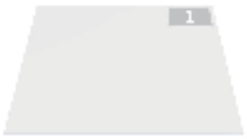
The Limo Simulation table is an interactive simulation table used with Limo. On the Simulation table, precise autonomous positioning, SLAM mapping, route planning, autonomous obstacle avoidance, autonomous reverse stall parking, traffic light recognition, character recognition and other functions can be realized.

1.2 Component list

Name	Specification	Quantity
Simulation table bottom plate	750 *750 *5mm	16
Simulation table hoarding	750 *200 *5mm	16
Simulation table buckle	10 L-shaped, 30 U-shaped	40
Model tree	15cm model tree with base	30
Traffic light	Dual mode traffic light	1
Uphill	Assembled uphill	1
Small whiteboard + recognition characters	Small whiteboard + EVA tile recognition characters (1 group of uppercase and lowercase letters and numbers)	1
Recognition characters	Acrylic ABCD characters	1
Lifting lever	QR code identification communication	1

1 Simulation table bottom plate

Front



Back

2 Simulation table

Patterned hoarding*8

Blank hoarding*8

3 Simulation table buckle

L-shaped*10

U-shaped*8

4 Small whiteboard + recognition characters

Small whiteboard + EVA magnet

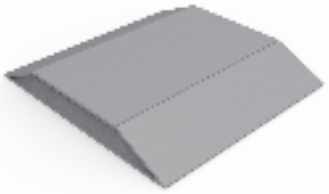
5 Traffic light

The traffic light is divided into manual mode and automatic mode, and the switch is under the light body.

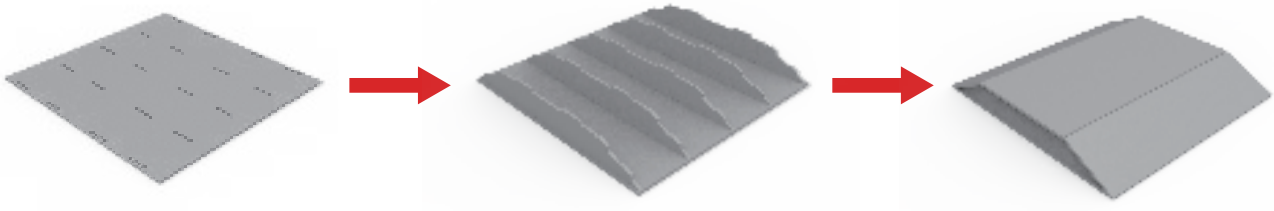
Manual mode: Press the round button on the top of the light to switch the light on.

Automatic mode: The red light turns yellow after 35 seconds, then the yellow light turns green after 3 seconds, and the green light changes back to red after 35 seconds. The traffic light changes in a circle, with a beeping sound.

It' s equipped with 3 AAA batteries, which should be installed in the battery slot under the light body before use.

6 Location identification characte	7 Model tree	8 Uphill
ABCD		

Uphill installation process:

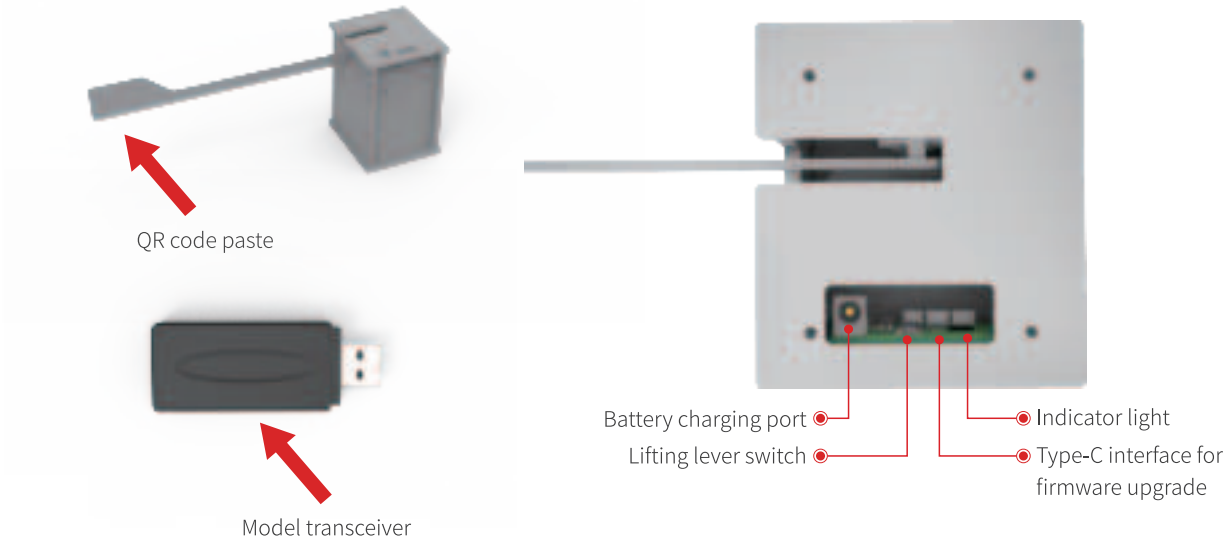


Place the bottom plate

Insert the support plates

Cover the top cover and lock the screws at the holes

9 Lifting lever



Note: You need to plug the signal transceiver into the Limo's USB interface to control the lifting level.

Indicator light status indication

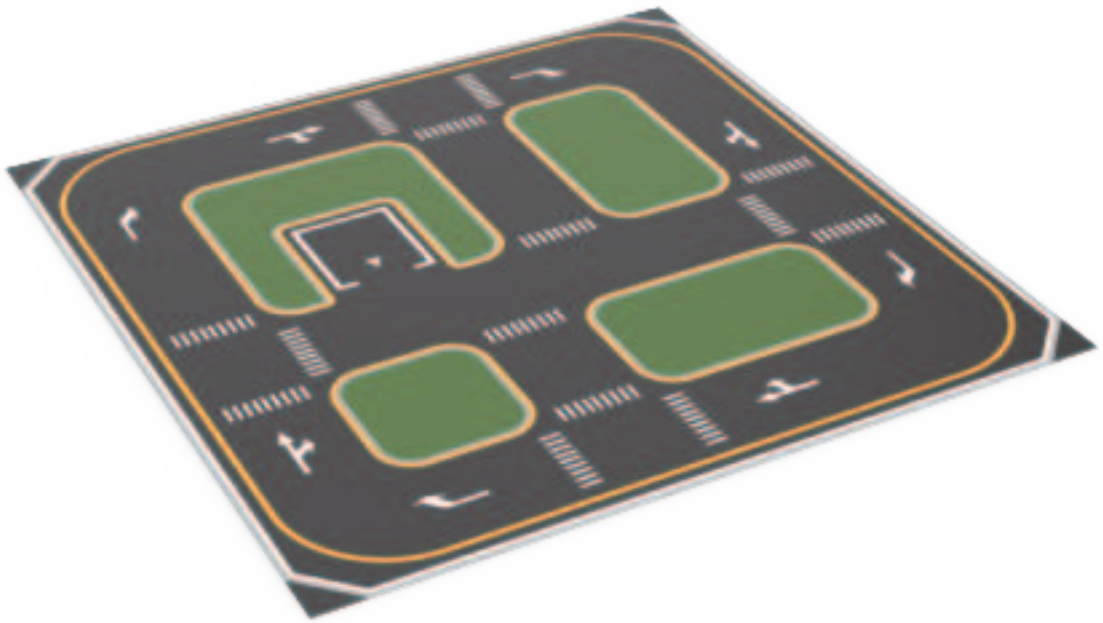
Color	Status
Red light	Disconnection
Green ligh	Normal connection
Blue light	Low voltage flashing

2. Steps to build a LIMO Simulation table

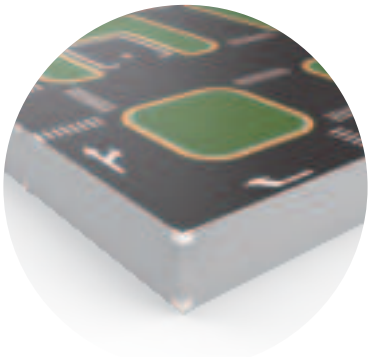
2.1 Build the bottom plate

Splice the bottom plate in the order of the bottom plate stickers and referring to the bottom plan; the numbered stickers are unified on the upper right corner of the back of the bottom plate.

Completed picture:

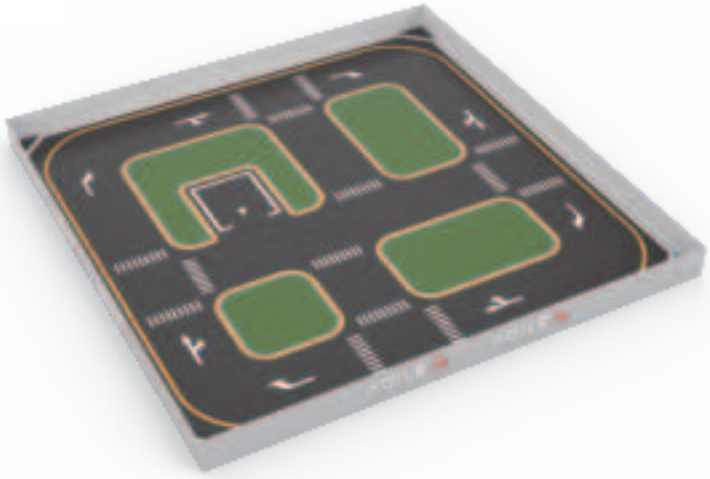


2.2 Build the perimeter



- Enclose the hoarding around the Simulation table, and fix the perimeter with L-shaped buckles and U-shaped buckles.
- The two hoardings in the middle of each side are patterned, and the other two are not patterned.

Completed picture:



2.3 Install location recognition characters, small whiteboard, traffic light, uphill and left lever.

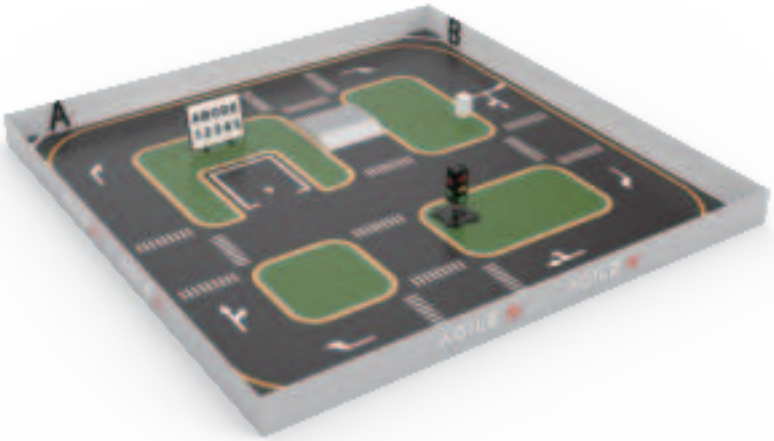
Paste the ABCD characters at the end of the road for the LIMO to identify the location and navigation.

Place literacy boards for visual image recognition.

Place a traffic light for traffic light detection.

Place the lift lever, and place the QR code side in the center of the road for the LIMO camera to identify the QR code to control the lift lever.

Completed picture:



2.4 Place model trees

Completed picture:

2.5 Installation finish

Note:

If the friction between the ground and the bottom surface of the Simulation table is small, and the movement of limo causes the displacement of the board, the tape in the accessories can be used to glue the bottom plate from the bottom to prevent displacement.

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