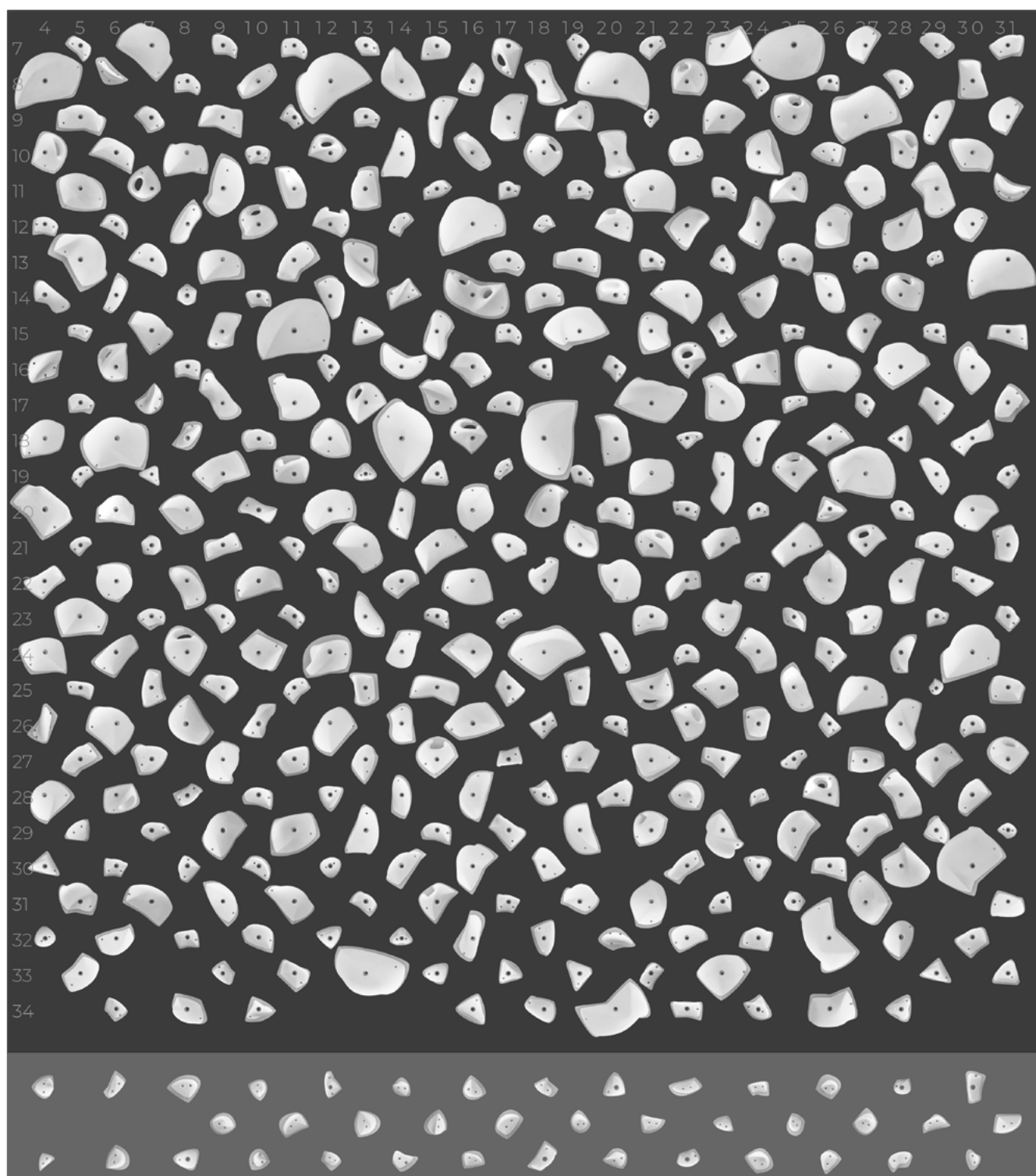


WALLTOPIA

QUANTUM BOARD M

HOLDS & LED INSTALLATION



Please do not use the cover photo to set the board, the holds are not precisely oriented, use Table 1 from the manual.

1.

How to start?

I just installed my board, what now?..... page 01

2.

Climbing holds

Indicators page 02

Example 1 page 04

Example 2 page 06

Exceptions page 10

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3.

Controller Set Up

Parts & Basic Instructions page 15

Important Info page 17

Example 1 Line 1 page 19

Example 2 Line 2 page 22

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LED Diagram page 27

1. How to start?

I JUST INSTALLED MY BOARD FRAME WHAT NOW?

Don't worry, everything will be alright because you have this manual for the holds installation.

First, we will explain the fastest way to install all of the holds and how to organize your work in the most efficient way possible.

If you have any ideas on how to improve the process or would like to share anything else with us about the installation of the holds and LEDs, you can send us an email at **quantumboard@walltopia.com**. For further support, you can contact us at **customerservice@walltopia.com**.

STEP 1 — UNPACKING THE HOLDS

The holds arrive tied on strings, following the correct order and position on the wall. You can see a diagram of the string position on page ...

STEP 2 — LEARN ABOUT THE INDICATORS

Both the board and the holds have specific indicators to ensure correct placement.

Before you begin, make sure to read **Step 2: Climbing Holds**, where you'll find examples of how to position the holds on the board.

TABLE 1

Open **Table 1** in a separate window to find all of the hold positions and directions.

STEP 3 — LED INSTALLATION

After all of the holds are in place. Put screws in all of them. We recommend using torx T25. When you are ready with this, then start setting up the LED Controller and the LEDs, otherwise you might damage a LED.

In Step 3 you can understand how to connect all the LEDs and what order you have to follow in order to install them correctly.

2. Climbing holds Indicators

I JUST GOT MY HOLDS WHAT NOW?

If everything is in order and your shipment has arrived, you should now be surrounded by 428 climbing holds.

Now comes the really fun part.

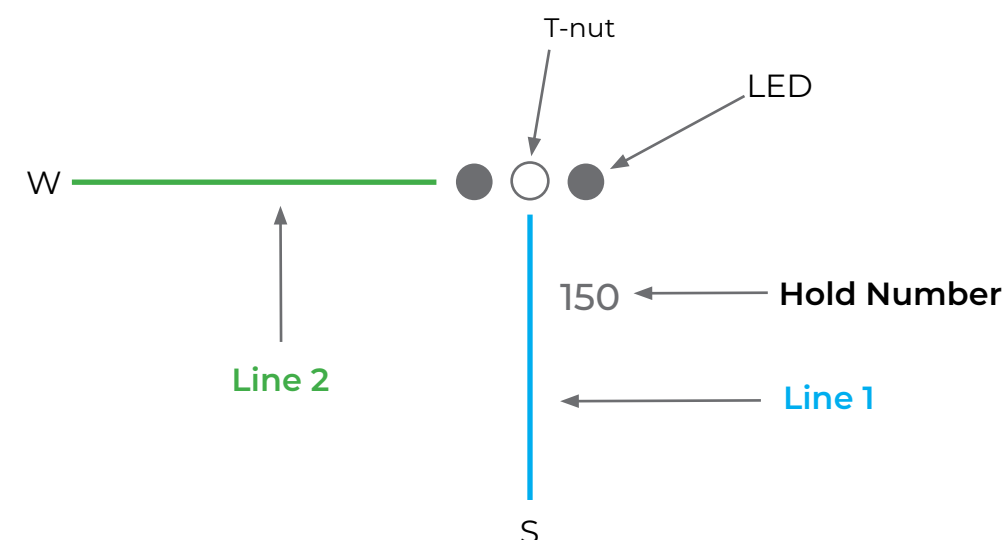
There are two types of holds in your set:

- Holds with Bolts
- Screw holds

THE INDICATORS ON THE PANELS

Once you locate the position of the hold, you'll see the **hold number** and **two lines**. The arrow on the hold with the number must match with the engraved line on the board.

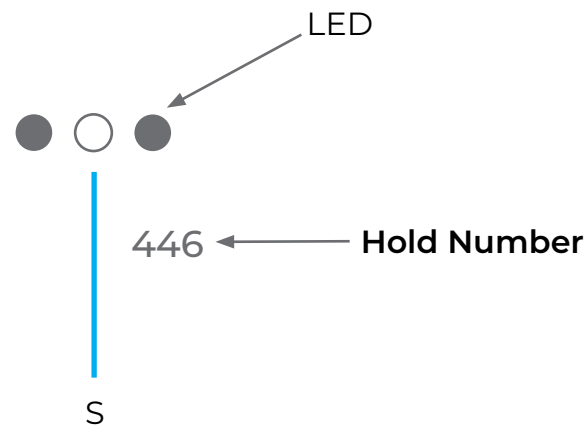
- **Line 1** indicates South.
- **Line 2** if the hold is pointing in the other world directions North, Northeast, East, Southeast, Southwest, West, or Northwest and then the arrow of the hold has to be aligned with this line.



❶ If the hold is pointing South, there will be only one line on the board (Line 1).

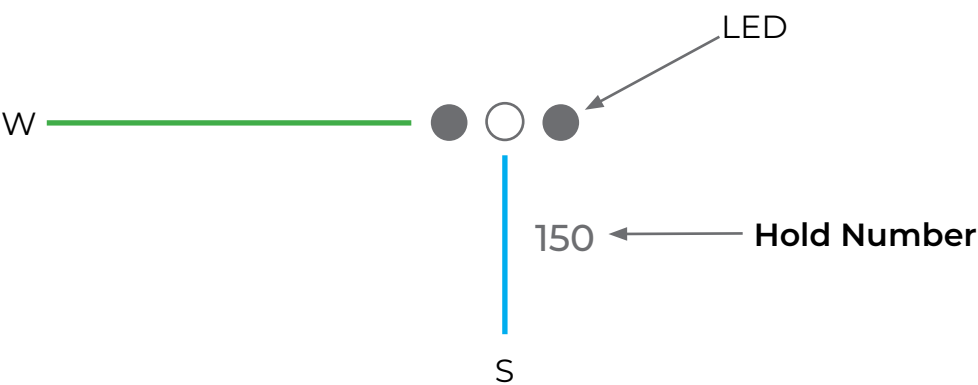
POINTING SOUTH

If there is only one line, then the hold is oriented South and you have to match the arrow with the South line.



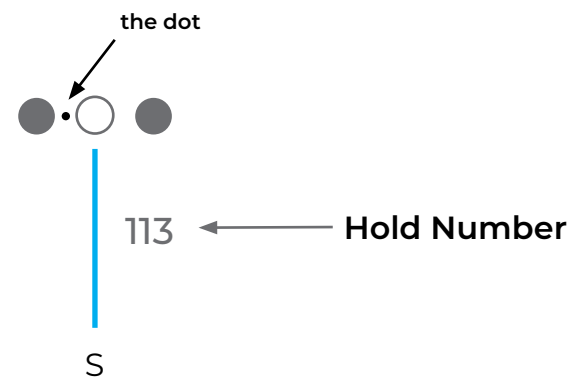
ALL THE OTHER DIRECTIONS

If there is a second line, then always match the arrow of the hold with the second line.



THE DOT

We have added an additional dot on the panels for screw holds. Place the first screw on this dot and then rotate the hold.



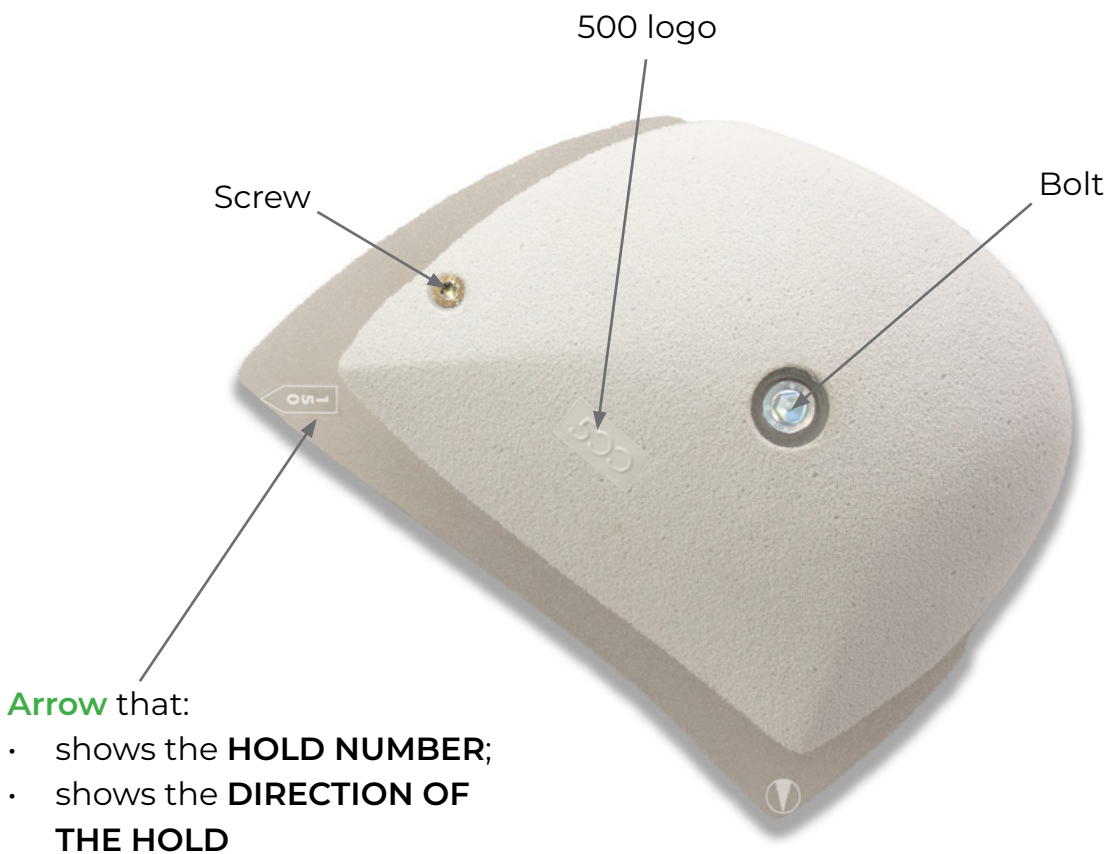
NO HOLD

If there is no hold on the panel, then instead of the trut, you have a dot and one LED.



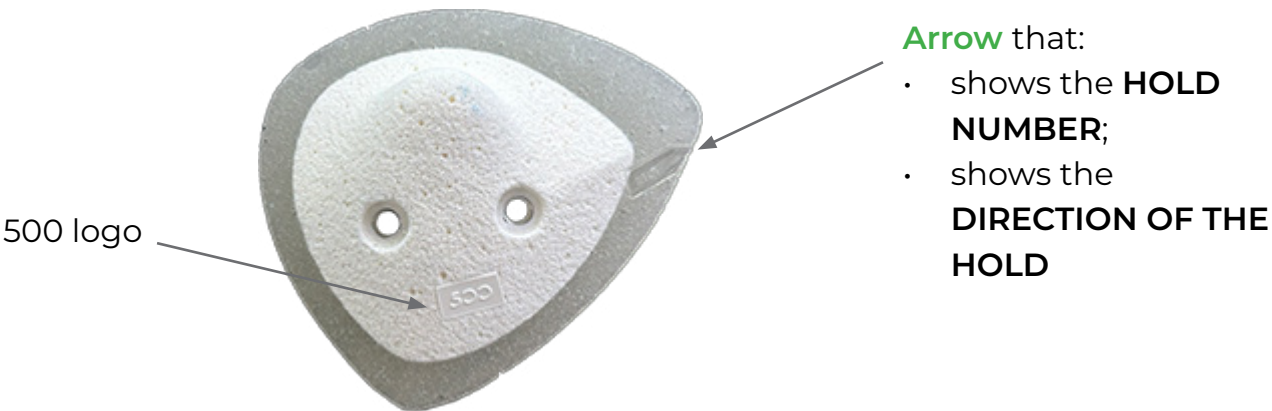
HOLDS WITH BOLTS

Holds with Bolts have one indicator which is the **Arrow** which shows the number of the hold and points to the direction of the hold.



SCREWS

Screw Holds have two main indicators — “500” logo and Arrow. In order to orient screws correctly, you have to put the first screw in the hole LEFT of the “500” logo.



- ❗ In order to orient screws correctly, you have to put the first screw in the hole LEFT of the “500” logo.
- ❗ We recommend using 5 mm screws.

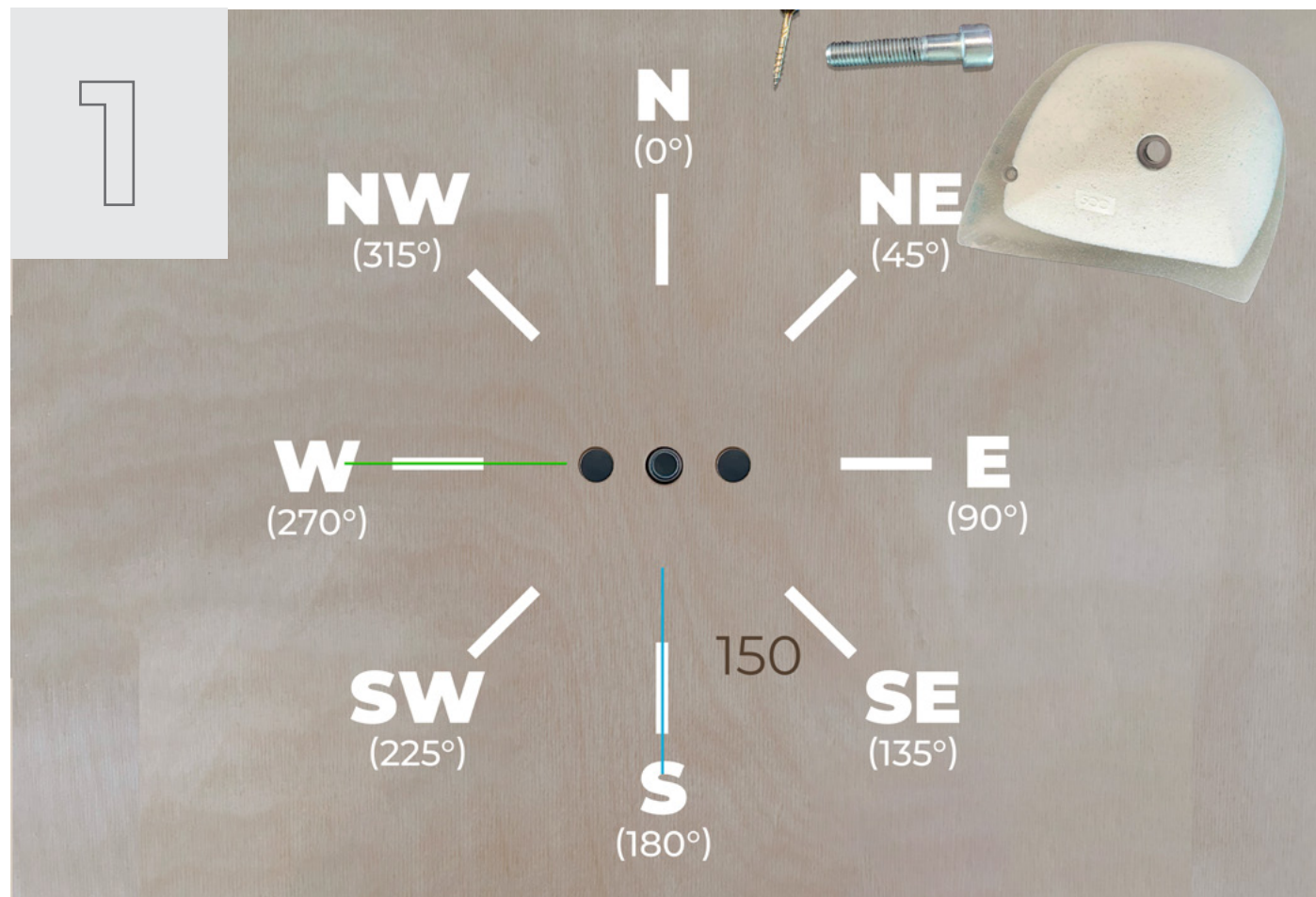
2. Climbing holds

Example 1

HOW TO SET HOLDS WITH BOLTS

Each hold has a specific position on the board. Find the position of the hold in **Table 1**.

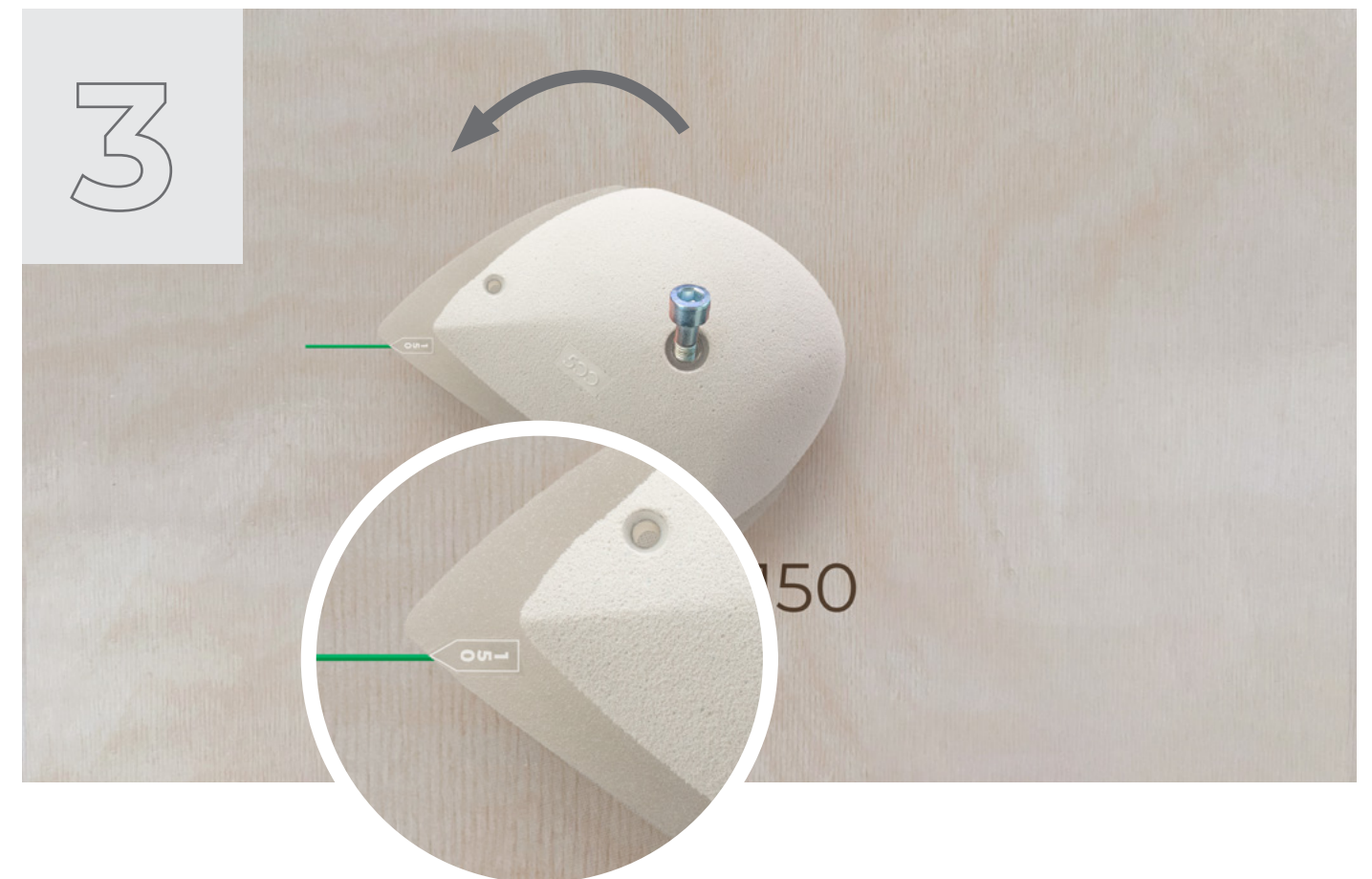
Once you find it in the table, locate the hold on the board. In this example we will be using hold 150.



The first thing to do is find hold 150 in **Table 1**. Hold 150 is placed two times on the board. I decide to put it first on panel 1 and I see that it says 150 W in the table. This means that hold 150 is pointing West. I find the engraved number of the hold on the board - 150 and can see that **Line 2** is pointing West.



Take the hold and put a bolt inside it, then place it on the board.



Align **Arrow** with **Line 1**.

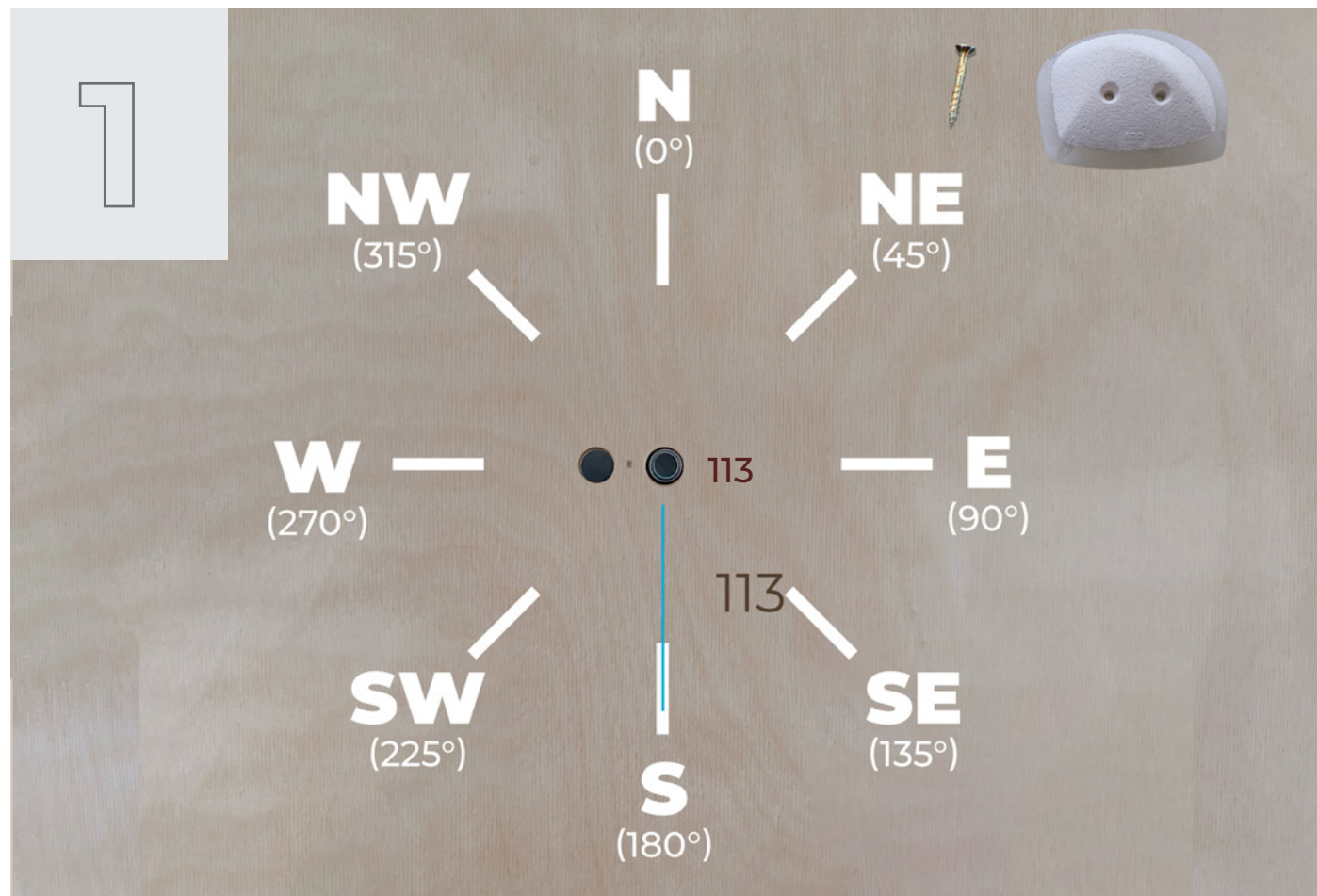
2. Climbing holds

Example 2

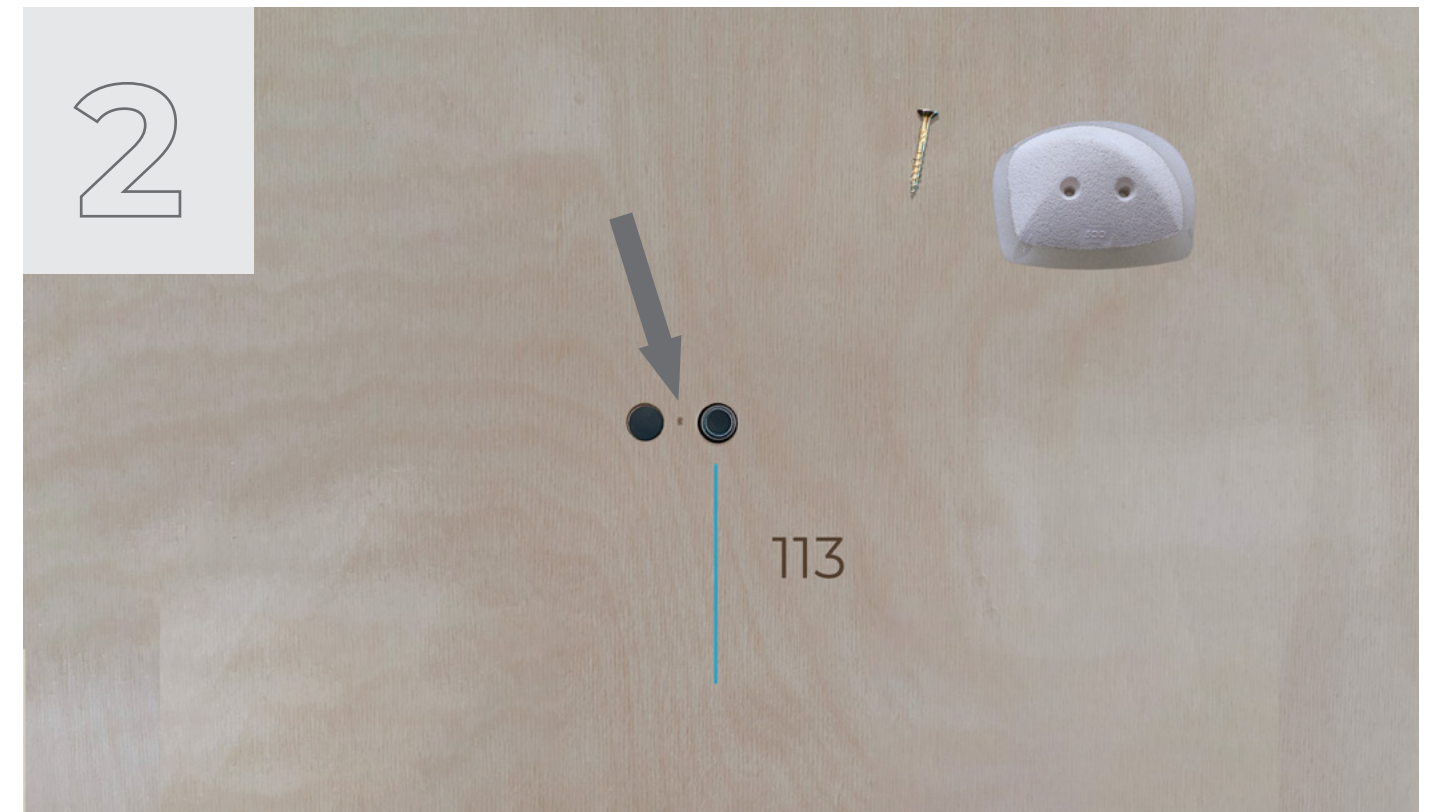
HOW TO SET SCREW HOLDS?

Each hold has a specific position on the board. Find the position of the position of the hold in **Table 1**.

Once you find it in the table, locate the hold on the board. In this example we will be using hold 113.



The first thing to do is to find hold 113 in **Table 1**. Hold 113 is placed only once on the board and I can see that in **Table 1**. It's 113 S which means that the hold is pointing South. Therefore there will be only one indicator on the board and on the hold.



Because the hold has no bolt, we have engraved an additional dot on the board. This will make screwing on the hold easier.



You take the hold. Put the screw inside in the hole left to the 500 logo and position the screw on the dot.

4



113



Align **Arrow** with **Line 1** and screw in the screw.

5



113

Put a second screw in and you're ready.

2. Climbing holds

Exceptions

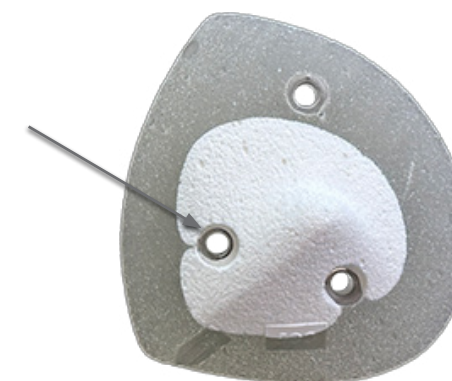
ADDITIONAL EXAMPLES FOR SCREW HOLDS

Here is which we consider the LEFT hole of the logo on these holds. Put the first screw in these indicated holes and then rotate the hold and put the other screws in.

HOLD 052



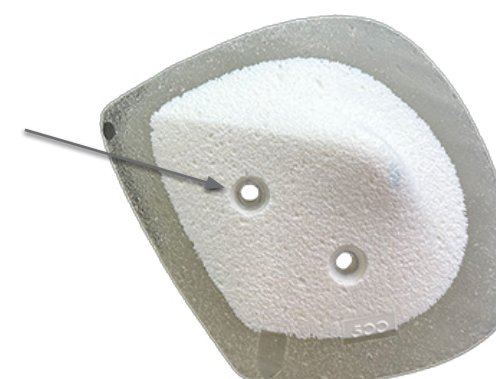
HOLD 057



HOLD 058



HOLD 063



HOLD 072



HOLD 086



2. Climbing holds

Exceptions

HOLD 102



HOLD 103



HOLD 108



HOLD 110



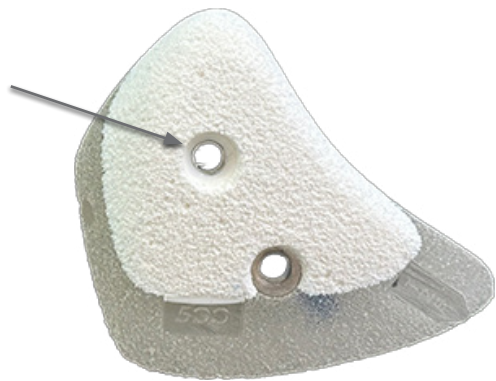
HOLD 294



HOLD 296



HOLD 125



HOLD 282



HOLD 299



HOLD 307



Table 1

	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
7		040 W		519 W		140 SE		003 SW		048 SE		152 SW		303 E		026 S		002 S		440 NE		502 SE		365 S 8		166 S		214 SE	7
8	524 SW		102 E		003 SW		356 SW		507 E		452 SE		281 SW		390 NW		492 SE		339 SW		147 S		019 SE		145 S		249 SW		8
9		225 SE		046 W		247 SE		027 W		002 SW		393 S		245 NE		327 SE		085 N		251 SW		348 NW		521 SW		362 NE		365 S	9
10	312 SW		212 W		496 SW		042 SW		304 W		431 SW		356 NW		342 S		417 NW		404 SW		422 SE		112 SE		326 SW		489 SE		10
11		454 SW		352 E		436 N		332 NW		238 SE		029 SW		037 SW		002 SW		510 SE		140 SE		327 SE		413 S		437 SE		282 E	11
12	007 SW		133 W		384 SW		334 SW		301 SE		096 S		493 SW		098 E		321 SE		218 W		255 S		487 SE		457 NE		404 S		12
13		446 S		177 W		499 SW		223 E		287 NE		xx		181 SW		213 SE		146 SW		137 N		291 SE		008 SW		151 SW		504 SW	13
14	280 SE		375 N		107 N		050 SE		208 NW		110 E		351 NW		184 SW		105 SE		465 W		250 W		412 SE		347 SE		xx		14
15		095 SE		270 S		354 NE		522 SW		129 SW		409 S		003 SW		443 E		424 SE		101 N		027 S		286 S		026 SE		229 SE	15
16	294 SE		335 S		147 SE		xx		026 S		386 W		310 S		106 W		021 S		302 S		262 SE		506 SW		433 E		420 S		16
17		002 SW		299 W		349 S		414 SW		330 E		277 NW		188 SE		xx		497 W		450 SW		099 SW		043 S		180 S		211 E	17
18	483 SW		518 SE		276 NE		158 SW		425 SE		528 S		297 S		503 NE		263 NW		005 S		379 NE		182 E		134 NE		389 NE		18
19		007 S		139 W		449 E		311 SE		053 N		135 SE		124 SW		012 SE		486 SW		481 S		345 S		501 SE		371 NW		039 S	19
20	237 S		355 SE		478 W		288 W		434 SW		401 N		498 S		421 NE		190 SE		013 SE		009 SW		130 E		048 SE		473 E		20
21		017 S		107 SW		199 SW		023 S		494 S		244 E		405 S		400 NE		309 SW		292 SW		241 E		319 S		407 W		161 NW	21
22	187 E		383 S		336 S		267 SW		062 NW		189 E		477 SE		300 S		427 S		284 SW		064 SE		458 N		476 NE		201 W		22
23		455 SW		141 S		145 S		038 W		394 SE		010 SE		121 E		xx		185 SW		317 W		065 SE		398 SW		037 SW		033 S	23
24	495 SE		252 S		333 S		346 N		423 SW		378 NE		150 W		505 E		370 NW		008 SW		260 S		175 S		274 NE		516 SW		24
25		006 SE		202 SE		216 S		007 S		164 SE		243 SE		160 S		200 NW		337 NE		256 W		361 N		469 SW		020 N		198 SW	25
26	296 S		491 S		234 N		272 NE		482 S		367 SE		360 E		024 S		010 SE		320 S		171 NW		001 S		527 NE		008 SW		26
27		203 E		154 SW		418 N		153 SE		191 S		313 S		018 NE		344 SW		358 S		228 S		004 S		230 NW		268 E		323 S	27
28	490 S		331 NW		013 W		142 SE		136 S		410 S		316 NE		116 N		197 SE		081 SE		093 SW		328 SE		242 S		231 E		28
29		114 SE		012 E		271 S		416 SW		431 SW		142 SE		186 S		426 SE		318 SW		285 N		240 S		225 E		137 N		085 E	29
30	126 N		022 SW		047 E		133 W		120 S		209 S		439 S		411 S		029 S		205 E		128 S		204 SE		442 N		515 S		30
31		279 SW		266 W		381 NW		248 S		045 W		308 S		022 SW		385 W		498 N		047 SE		107 E		454 E		069 N		411 NW	31
32	120 N		406 NE		021 SE		168 SE		106 NE		053 N		408 N		207 NW		058 W		377 E		172 SE		513 N		278 S		173 S		32
33		392 N		136 E		014 N		170 S		523 NW		138 W		134 SW		139 NW		038 S		520 S		142 SE		026 NW		126 N		135 SE	33
34	001 NW		014 S		183 NW		130 E		312 N		147 NW		129 W		169 NE		513 W		222 SE		116 N		261 NE		128 E		002 NE		34
	132 W		099 N		117 S		059 S		005 E		060 SE		083 N		123 N		106 N		089 NE		097 SE		072 S		020 NE		030 NE		
		x		x		079 E		056 E		080 SW		061 N		113 S		073 N		088 SW		075 NE		077 N		074 N		091 E		131 NW	
	055 N		078 N		138 W		057 E		092 W		125 E		087 SW		049 N		076 SE		031 NE		063 S		084 E		122 SW		051 E		

3. Controller Set Up

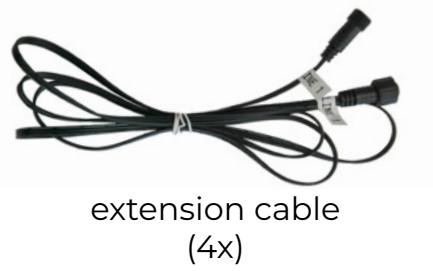
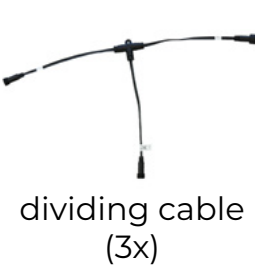
PARTS & INSTRUCTIONS

LED CONTROLLER PARTS

After placing all of the holds, the next step is to set up the LEDs and the control box and then connect to the eWalls app.

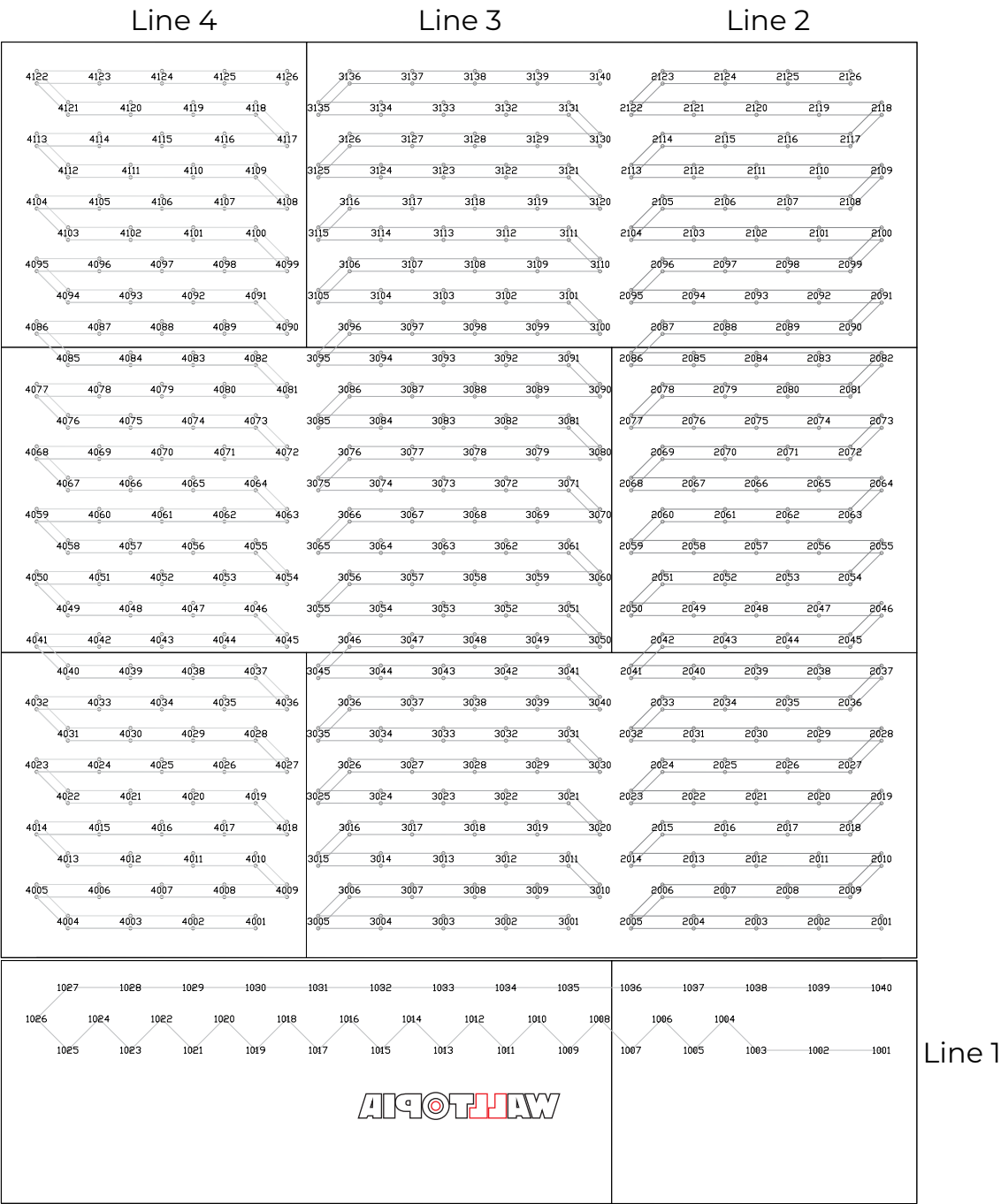
In order to light up the whole board you have to connect 4 lines of LED string cables to a control box, which will then be connected to the power.

For the set up of the LEDs you will need the following parts:



LED DIAGRAM

This is the diagram of the LEDs that you will use to install them. As you can see there are 4 lines.



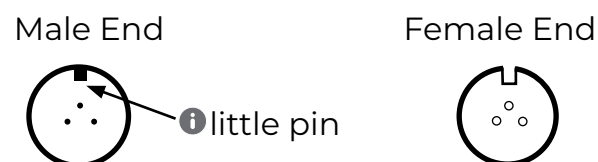
Each LED has a specific position it's very important that you DO NOT miss LEDs on the line. If you do, you have to go back and put in the LED.

3.

Controller Set Up

Important Info

CONNECTING CABLES



- ❗ All of the cables have two different types of outlets: one male and one female. It's easiest to connect them when you first indicate the little pin inside the male end and match it to the female end.
- ❗ On the outside we have marked with white lines where the cables have to be connected.



- ❗ CAREFULLY CONNECT BOTH ENDS OF THE CABLES WITHOUT DAMAGING THE PIN.



Tighten the cables together with the plastic nut. Like on the picture above.

- ❗ IMPROPER INSTALLATION MAY DAMAGE THE ENTIRE SYSTEM ONCE THE POWER CABLE IS PLUGGED IN.

- ❗ DO NOT APPLY MORE FORCE ON THE CABLES THAN NECESSARY.
- ❗ MAKE SURE YOU DO NOT PULL ON THEM AS YOU MIGHT DAMAGE THEM.
- ❗ BE CAREFUL NOT TO DAMAGE THE LEDS WITH SCREW DRIVER, DAMAGE TO ONE LED CAN BRAKE THE ENTIRE LED LINE:
 - DO NOT STAND ON THE LEDS
 - DO NOT TWIST THEM
 WITH CONTROLLED FORCE, PUSH THEM INTO THE LED HOLDS.

LABELS OF THE CABLES

This is the correct order of the LEDs:



LED CONTROLLER LINE 1

Line 1 Start - 1.1L
1.1 L - END

LED CONTROLLER LINE 2

Line 2 Start - Line 2
Line 2 - 2.1L/2.1R) dividing cable

2.1 L - 2.2 L	2.1 R - 2.2 R
2.2 L - 2.3 L	2.2 R - 2.3 R
2.3 L - 2.3 L End	2.3 R - 2.3 R End

LED CONTROLLER LINE 3

Line 3 Start - Line 3
Line 3 - 3.1L/3.1R) dividing cable

3.1 L - 3.2 L	3.1 R - 3.2 R
3.2 L - 3.3 L	3.2 R - 3.3 R
3.3 L - 3.3 L End	3.3 R - 3.3 R End

LED CONTROLLER LINE 4

Line 4 Start - Line 4
Line 4 - 4.1L/4.1R) dividing cable

4.1 L - 4.2 L	4.1 R - 4.2 R
4.2 L - 4.3 L	4.2 R - 4.3 R
4.3 L - 4.3 L End	4.3 R - 4.3 R End

3.

Controller Set Up Example 1 Line 1

1



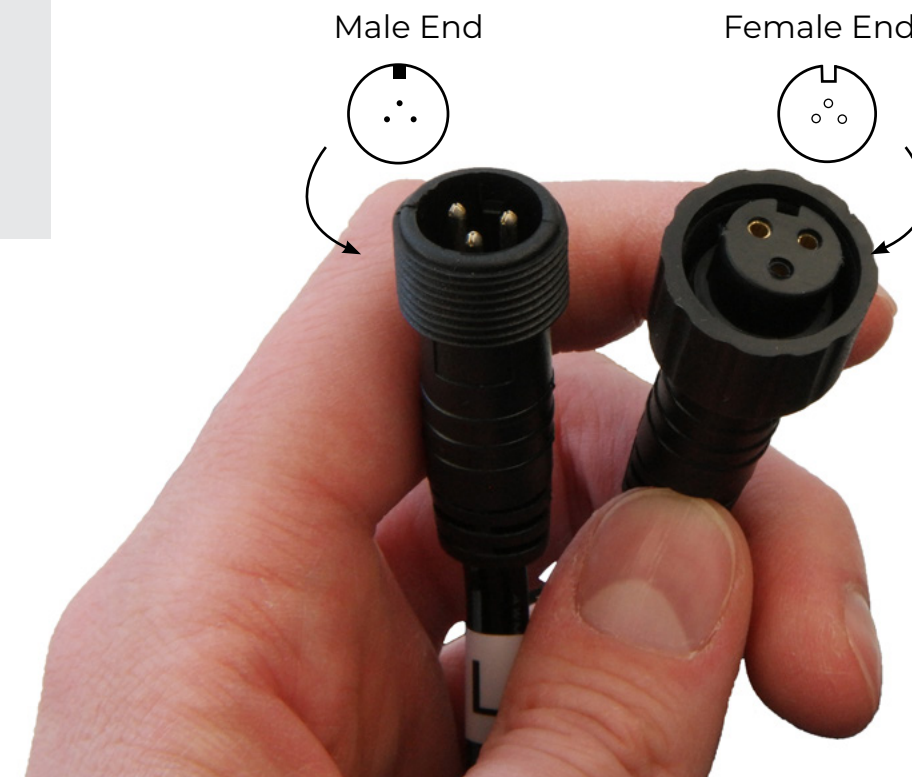
This is the Quantum Board 12x12 LED Controller Box. It has 4 lines that you have to connect with cables to it. In this example we will show you how to connect Line 1.

2



First we take the LED Controller Box from Step 1 and an extension cable, labeled "Line 1 Start".

3



All of the cables have two different types of outlets: one male and one female.
 ⓘ CHECK THE INSTRUCTIONS ABOVE FOR MORE INFO ON HOW TO CONNECT THEM PROPERLY!

4

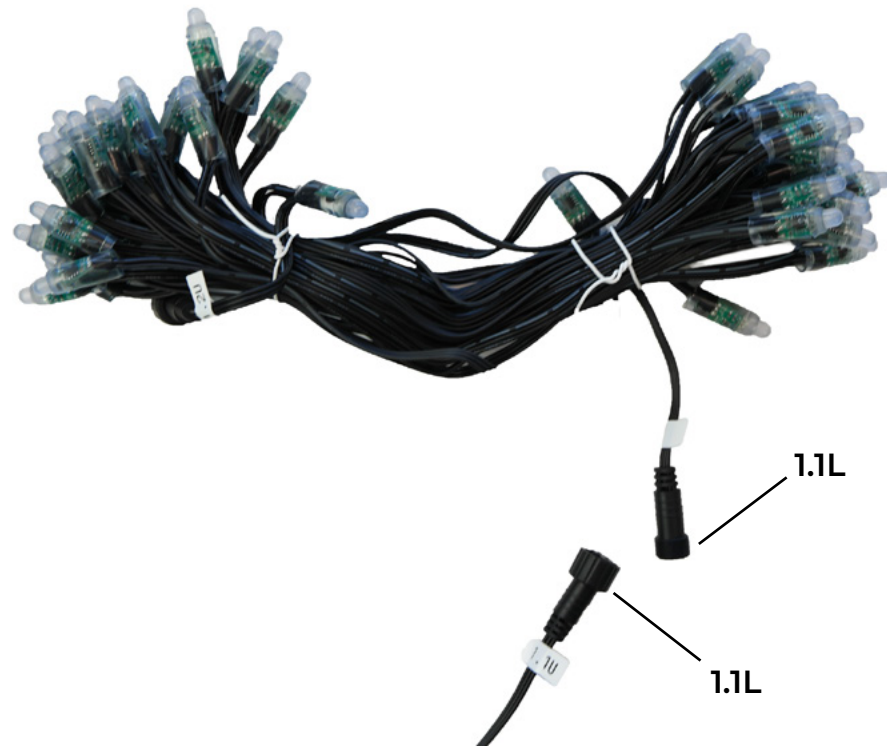


Control Box

Extension Cable
Line 1 Start

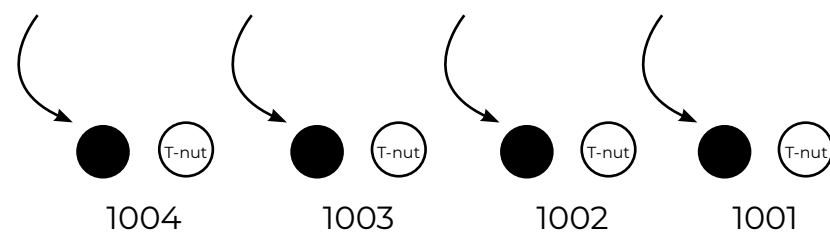
Connect the male end of the extension cable, labeled "Line 1 Start" to the first outlet in the LED Control Box.

5



The LED Strips have two ends as well, one of them is labeled 1.1 L and has to be connected to the extension cable. You will need just one LED String for the first line.

6



Line 1 has just one LED per hold position, located next to the t-nut. Start by taking the first LED connected to the extension cable, which is LED 1001, and insert it into the first position (1001). Continue inserting the LEDs until you reach position 1040.

3.

Controller Set Up

Example 2
Line 2

1



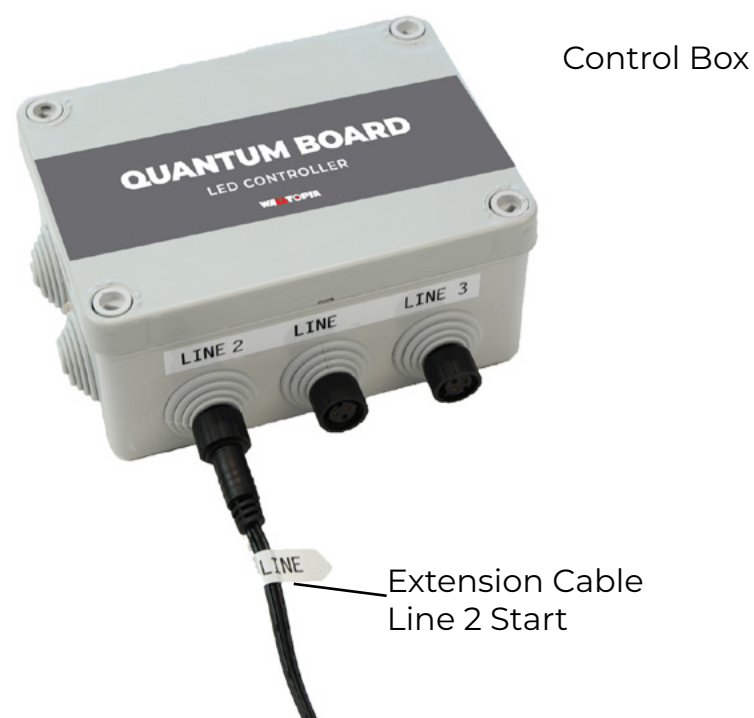
This is the Quantum Board 12x12 LED Controller Box. It has 4 lines that you have to connect with cables to it. In this example we will show you how to connect Line 2.

2



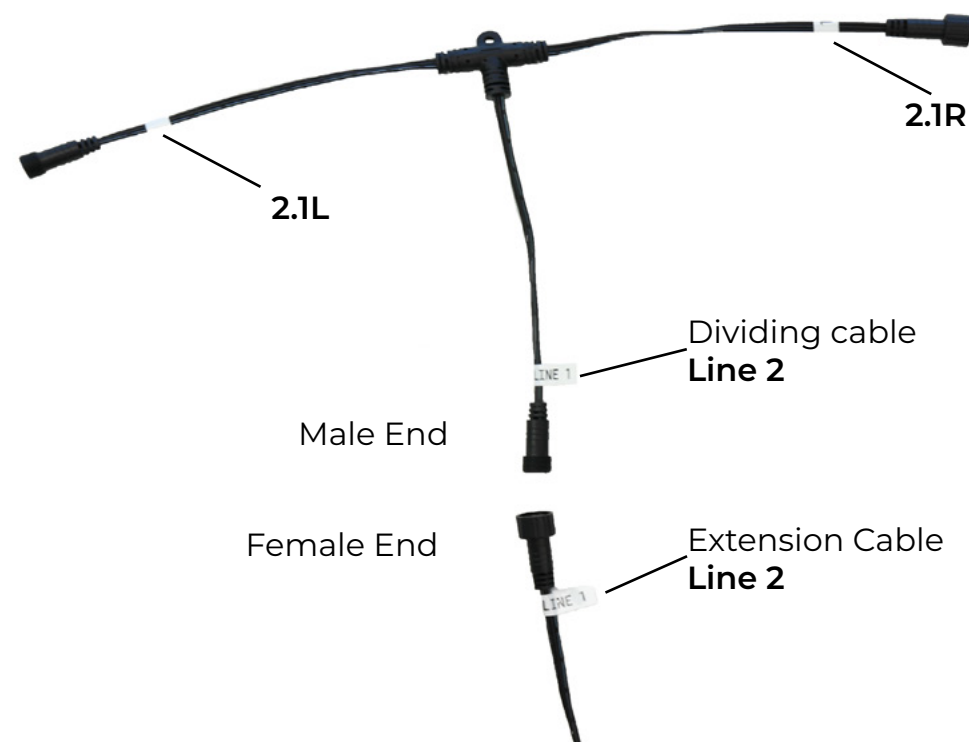
First we take the LED Controller Box from Step 1 and an extension cable, labeled "Line 2 Start".

3



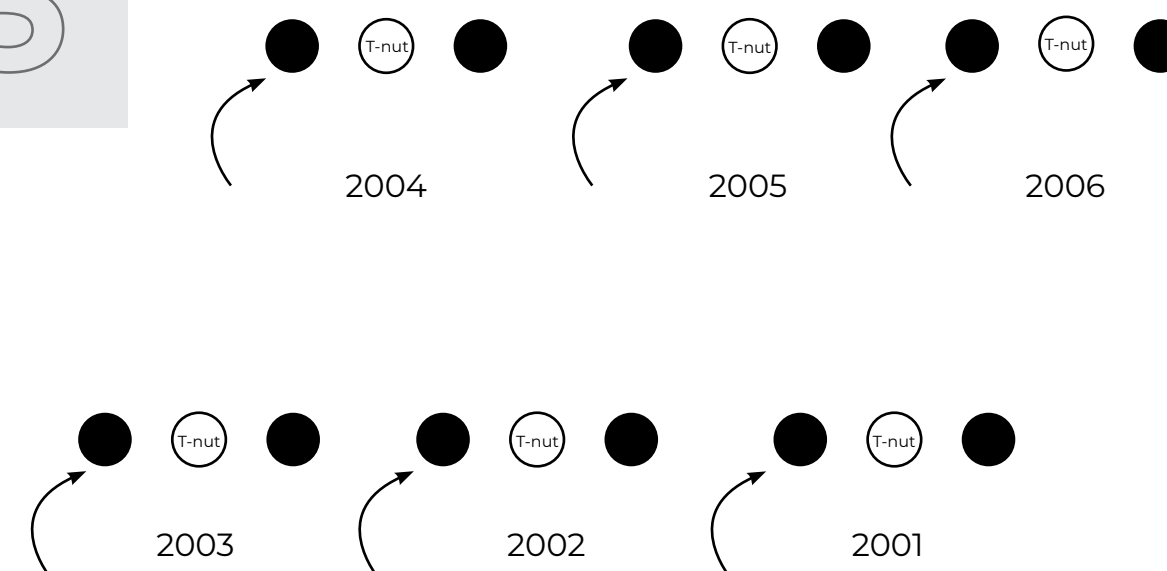
Connect the male end of the extension cable, labeled **"Line 2 Start"** to the first outlet in the LED Control Box.

4



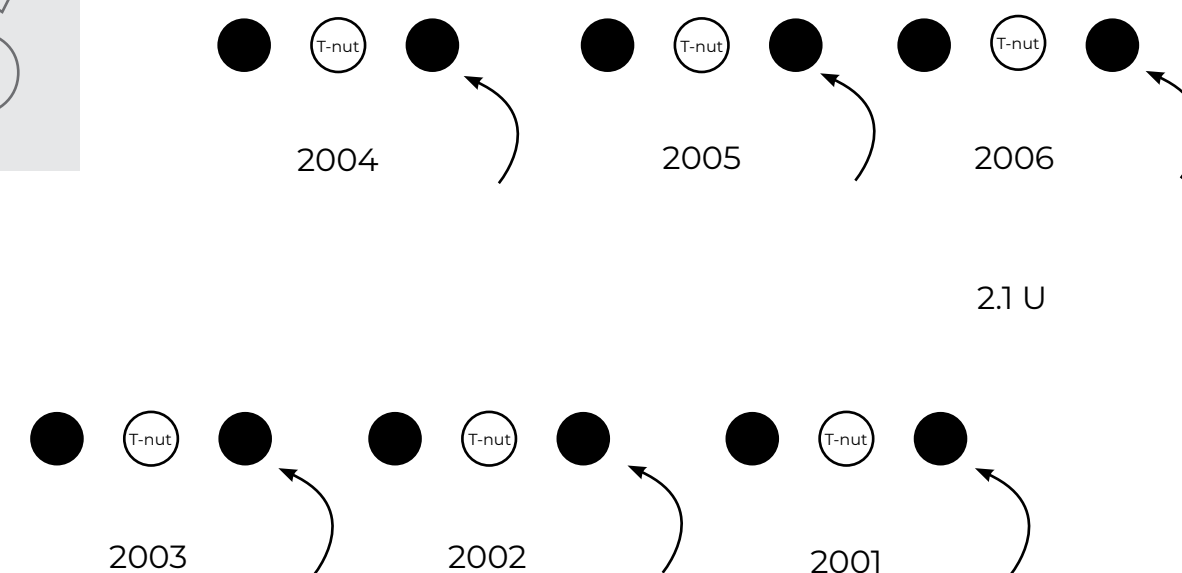
Take one of the dividing cables and connect it to the other end of the Line 2 extension cable. You will see that the diving cable has two more outlets labeled 2.1 L and 2.1 R.

5



Let's first connect the 2.1 L LEDs, the L is for LEFT. All of the LEDs have to inserted LEFT of the t-nut. The LED Cord you will need next is 2.2 L and you need to continue inserting the LEDs LEFT of the t-nut. Until the last LED on the line, which will be labelled 2.3 L END.

6



Now after we are ready with line 2.1 LEFT , we have to connect line 2.1 RIGHT. The first LED Cord you will take will be labelled 2.1 R and 2.2 R, then 2.2 R and 3.3 R END. All the LEDs on this line have to be connected RIGHT of the t-nut. After you are ready with all the lines just plug in the power cable into the LED Controller.

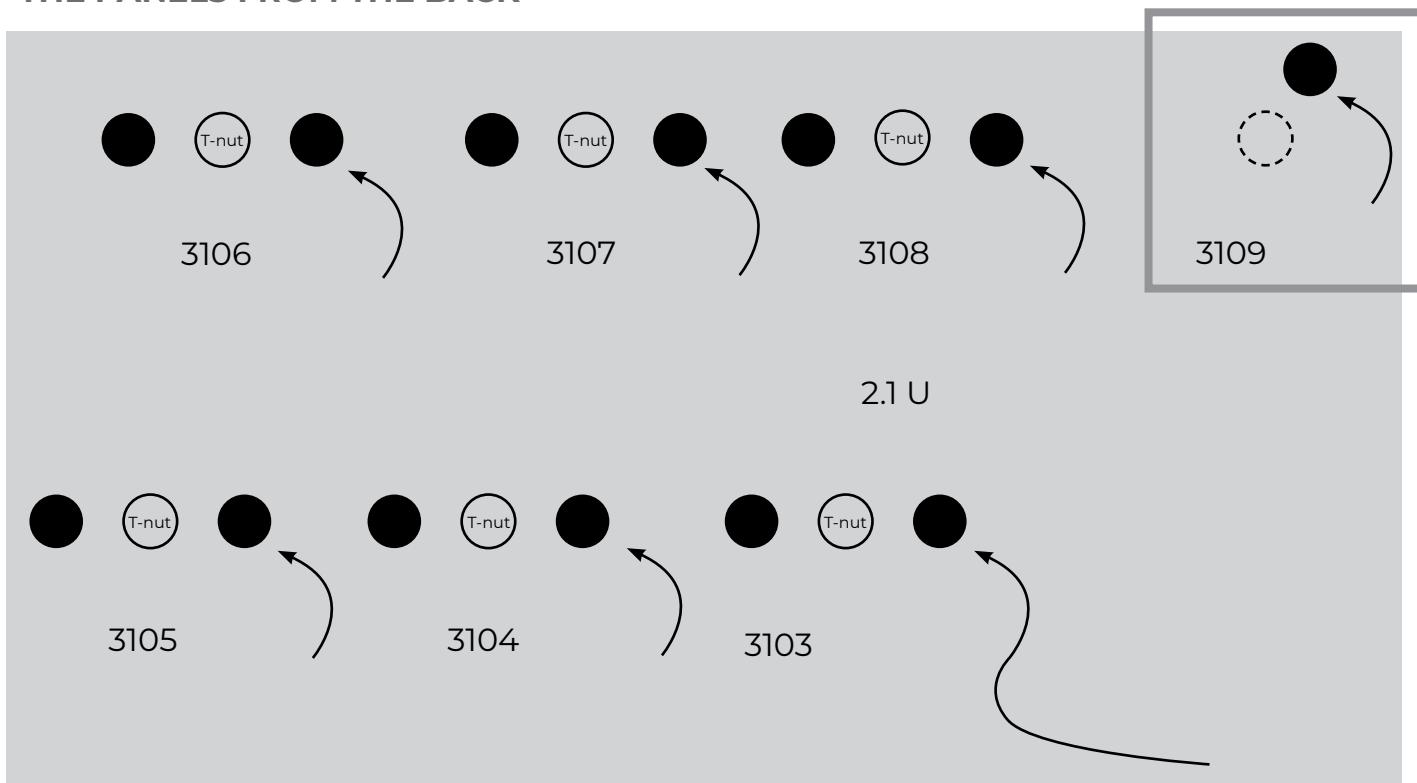
3. Controller Set Up

Exceptions

1

There are 4 positions on the board where there is no hold, no tnut and no two LED holes, ONLY ONE. Here is example 1 on Line 3.

THE PANELS FROM THE BACK



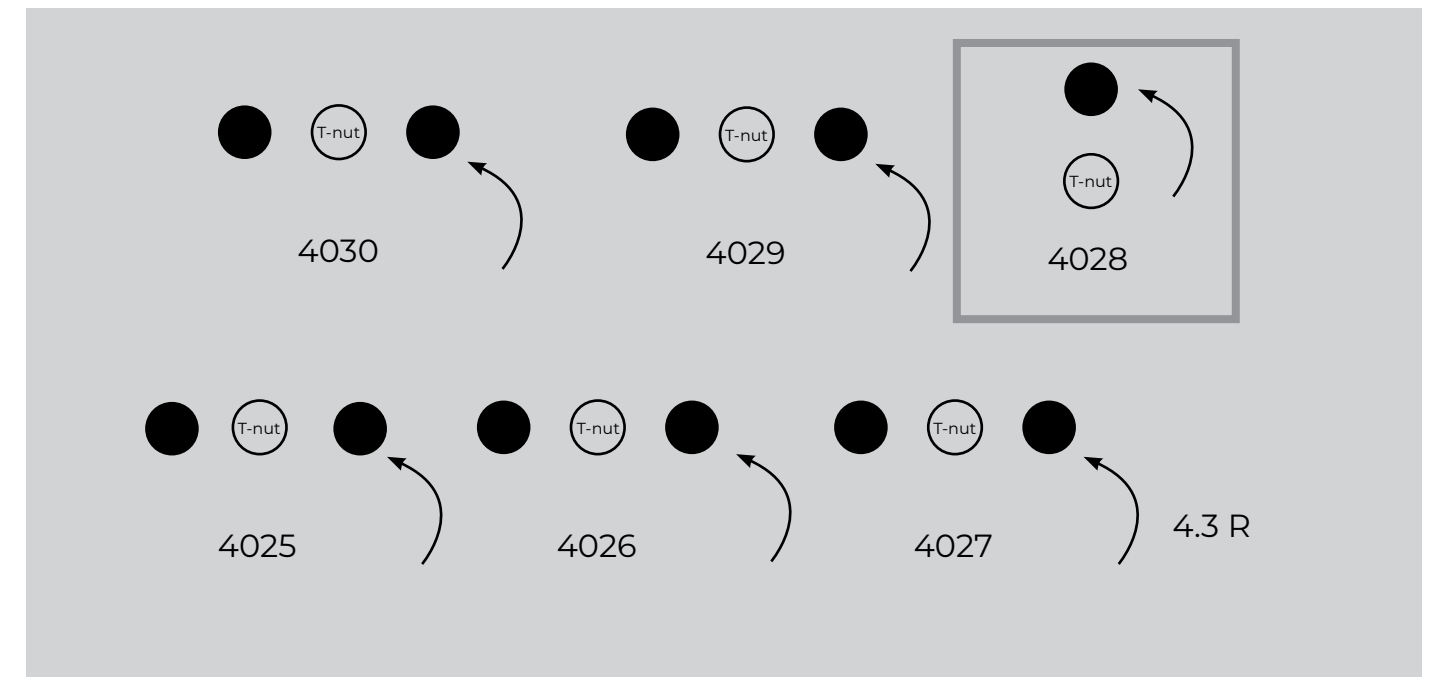
Insert 3.3 R LED cable in this position and just skip one LED from the 3.3 L LED string. Leave it hanging and continue inserting the other LEDs.

The most important thing is not change the position of the LED, this is why you leave one hanging in this position.

2

On Line 4, LED string 4.1 R there is a missing LED on position 4028, this is intentional.

THE PANELS FROM THE BACK



Insert 4.3 R LED cable in this position and just skip one LED from the 4.3 L LED string. Leave it hanging and continue inserting the other LEDs.

LED Diagram

