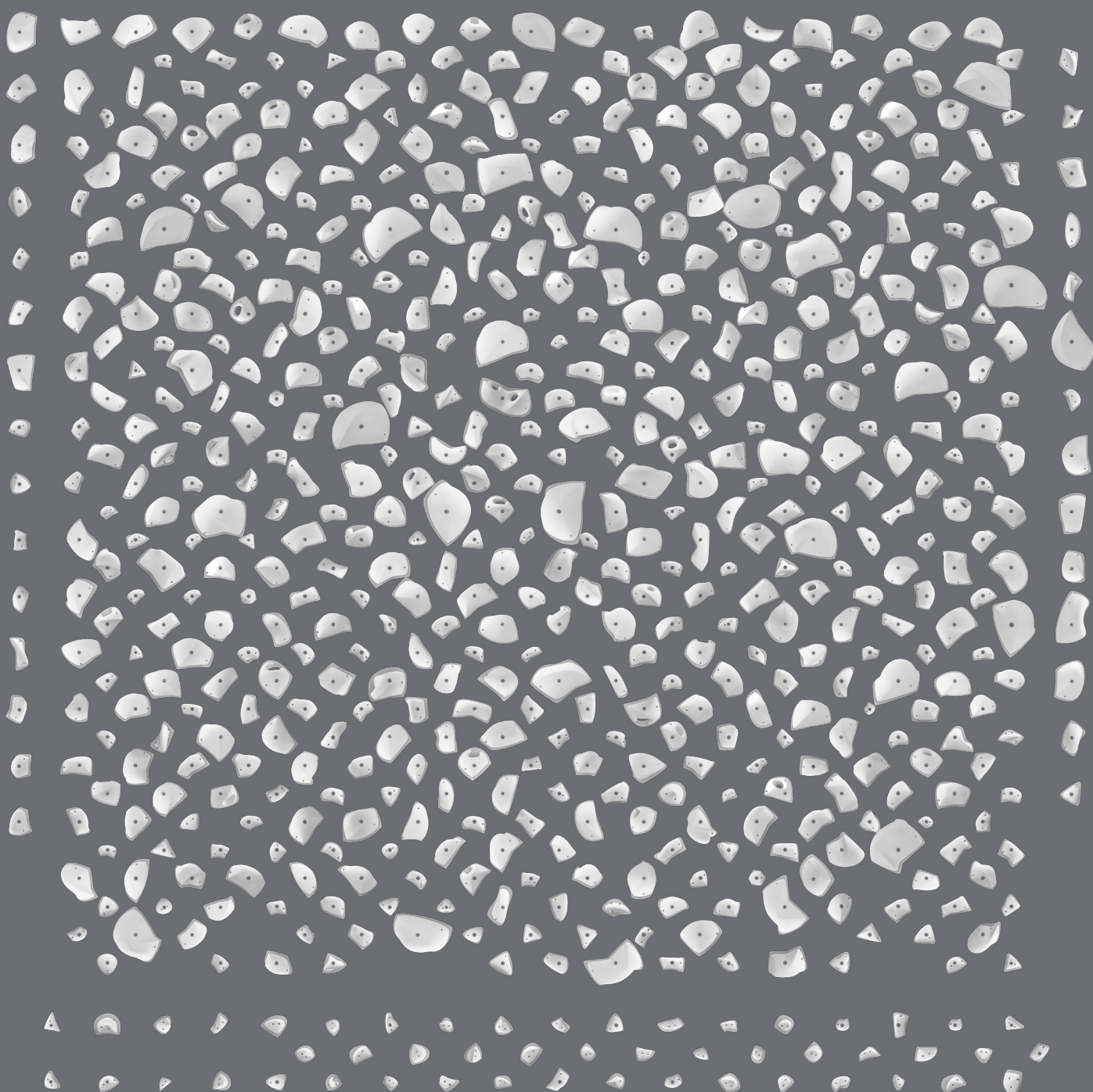


WALLTOPIA

QUANTUM BOARD XL

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 frame, now what?	page 03

2.	Climbing holds	
	Indicators	page 05
	Example 1	page 07
	Example 2	page 09
	Important Screws	page 12

3.	Routesetting	
	Quick and Easy.....	page 14
	Table 1	page 15

4.	LED Installation	
	Parts & Basic Instructions	page 17
	Example 1 Line 1	page 19
	Example 2 Line 2	page 22
	LED Diagram	page 27

1. How to start?

I JUST INSTALLED MY BOARD FRAME, NOW WHAT?

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

We recommend you to unpack the holds and as you do that, to sort them in 9 piles:

- 8 piles for the main panels;
- 1 pile for the kickboard panels;

Use **Table 1** to find the place of each hold and sort them accordingly.

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.

STEP 3 — ROUTESSETTING

In Step 3: Routesetting

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

- ❗ Put screws in all of the screw holes of the holds.

- ❗ Do NOT start LED Installation before ALL the holds and screws are in place, because you can damage a LED and this will require changing it.

STEP 4 — 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.

STEP 5 — THE EWALLS APP

After all the LED lines are installed, you have to download the ewalls app, turn on your bluetooth and allow the app to use your location.

ewalls



The application will automatically connect to the LED Controller. If you have any problems with the app, you can email us directly at **customerservice@walltopia.com**.

Our colleagues will help you with any troubleshooting be it with the holds, the LED or the app.

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 641 climbing holds.

Now comes the really fun part.

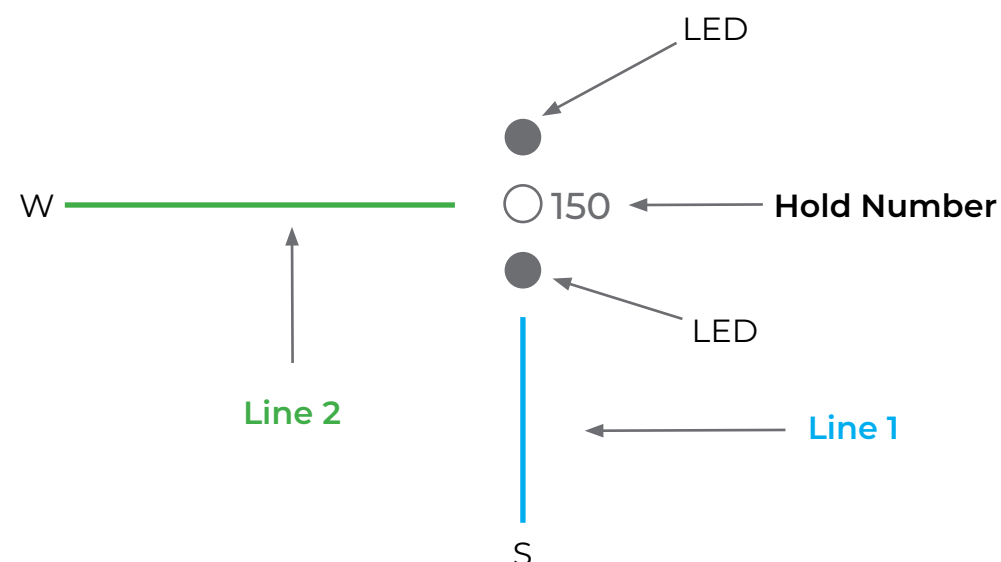
There are two types of holds in your set:

- Holds with Bolts
- Holds without Bolts

THE INDICATORS ON THE BOARD

Once you locate the position of the hold, you'll see the **hold number** and **lines around the LED holes and the t-nut**.

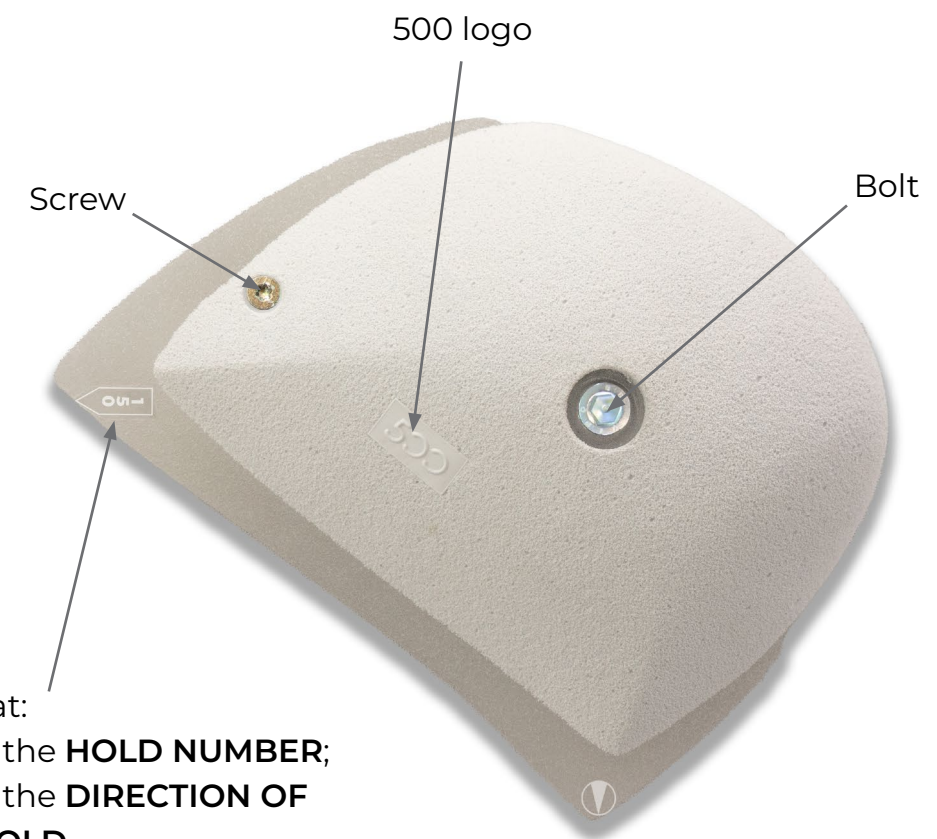
- **LINE 1** - If there is only one Line around the LEDs, then this is **LINE 1** and you have to match the **Arrow** of the hold with it. **LINE 1** always indicates South.
- **LINE 2** - If there is a second line on the board then match the **Arrow** of the hold with it and NOT with LINE 1. Line 2 indicates the other world directions North, Northeast, East, Southeast, Southwest, West and Northwest.



HOLDS WITH BOLTS

We wanted to make the setting of the board as easy as possible but also make sure that all the holds are pointing in the correct direction.

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



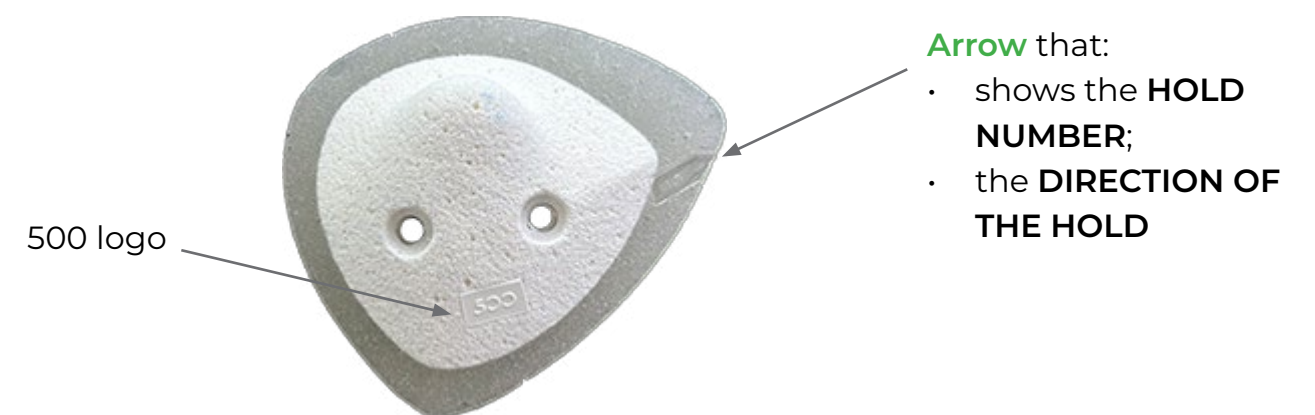
Arrow that:

- shows the **HOLD NUMBER**;
- shows 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.



Arrow that:

- shows the **HOLD NUMBER**;
- the **DIRECTION OF THE HOLD**

i In order to orient screws correctly, you have to put the first screw in the hole LEFT of the “500” logo.

i We recommend using 5mm screws.

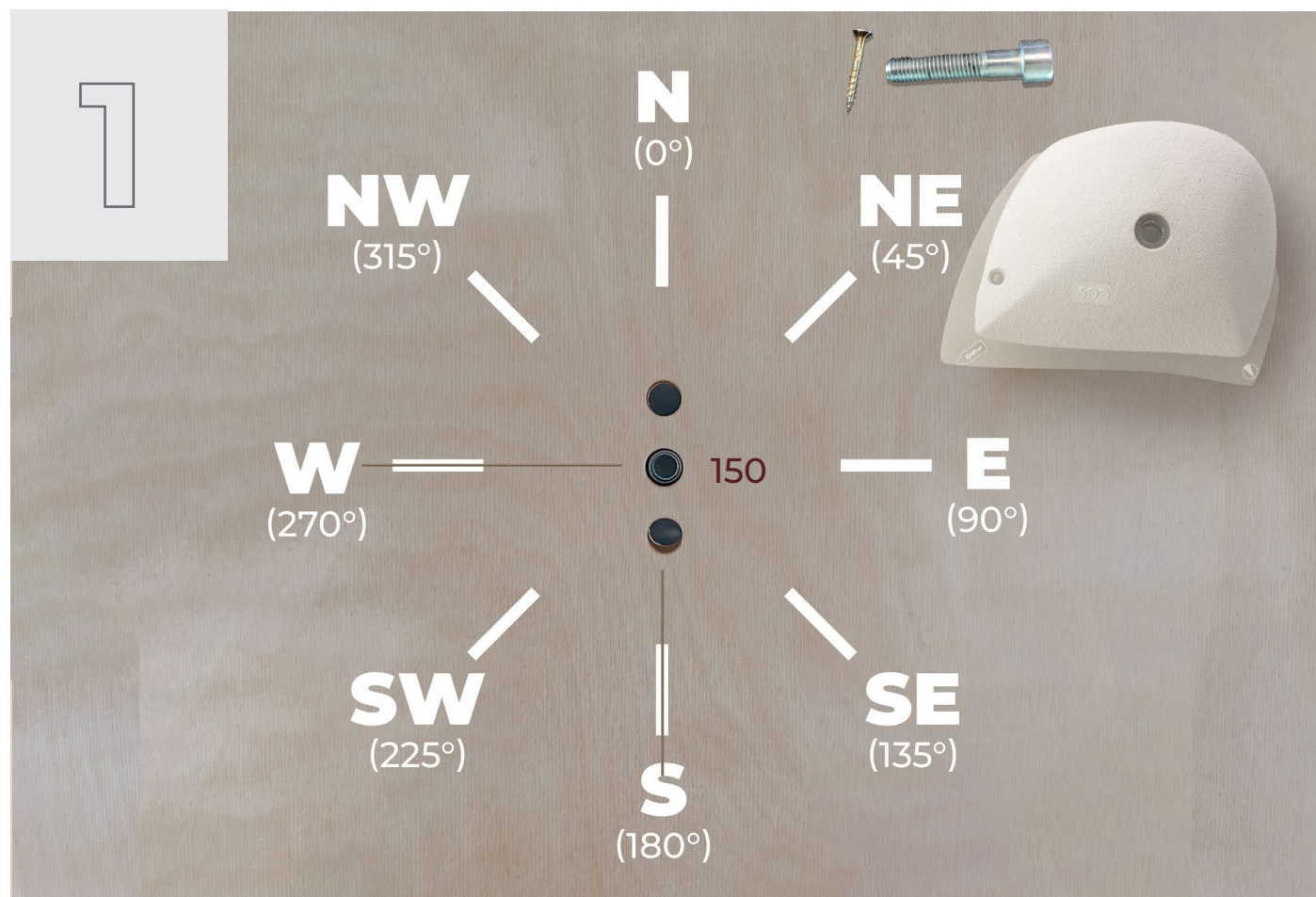
2. Climbing holds

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. The first position is on the Top Right panel. Table 1 indicates "150 W". This means that hold 150 is pointing WEST here. The engraved number of the hold 150 is visible on the board and so is **Line 2** which is pointing WEST.



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



Align the **Arrow** with **Line 2**. Tighten the Bolt and put a screw as well.

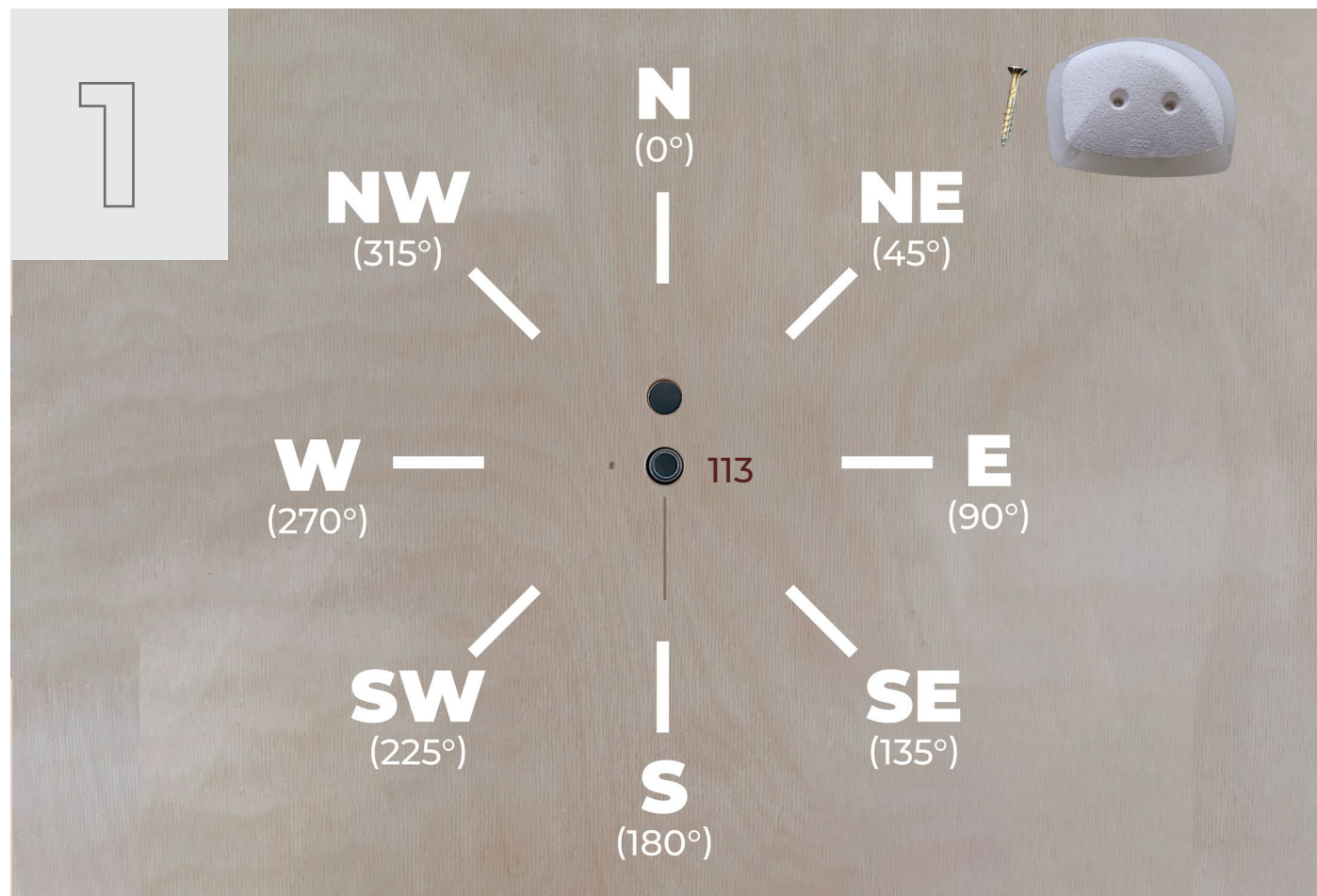
2. Climbing holds

Example 2

HOW TO SET HOLDS WITHOUT BOLTS?

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

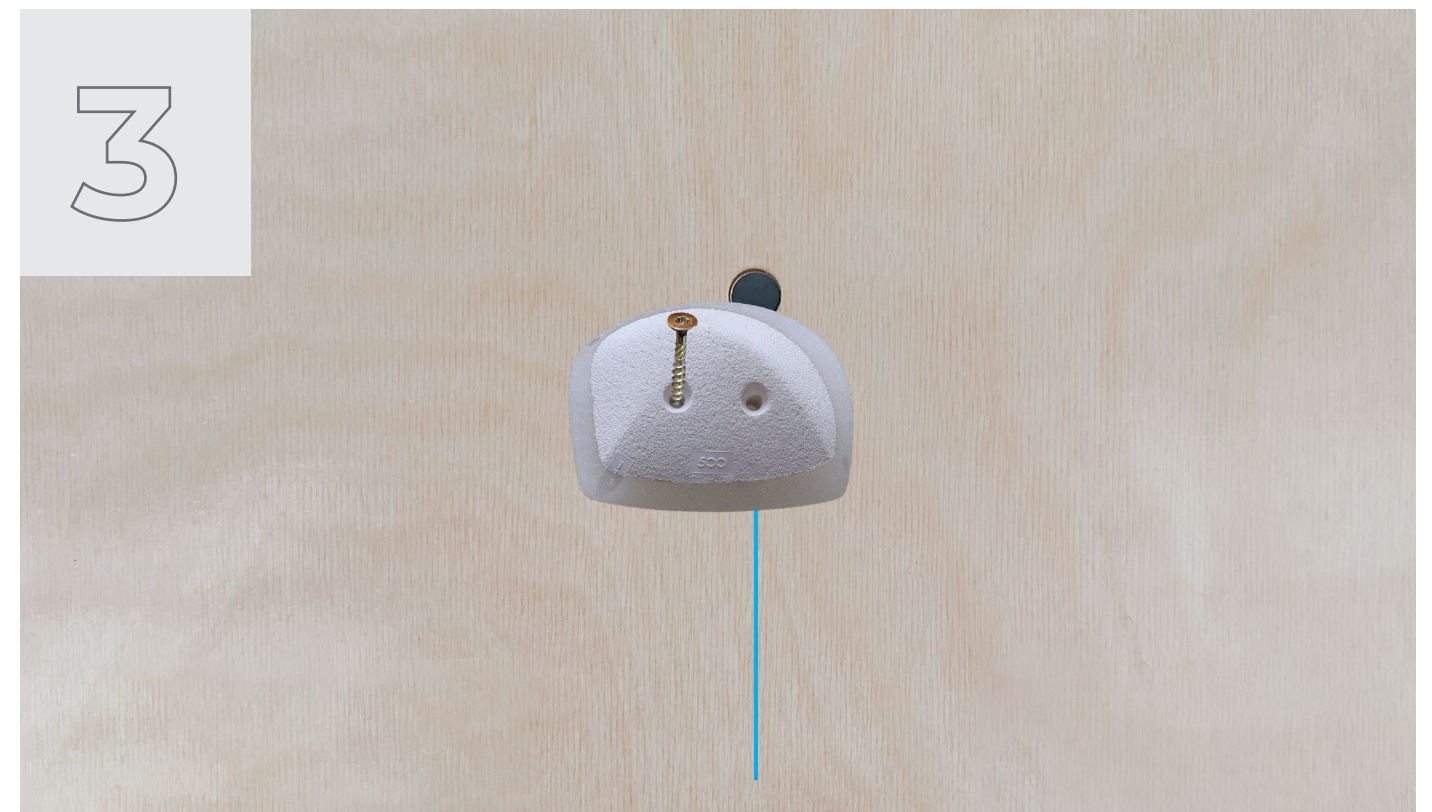
Once you find it in the table, locate the hold on the board. In this example we will be using hold 113.



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** of the **500 logo** and position the screw on the dot.

4



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

5



Put a second screw in and you're ready.

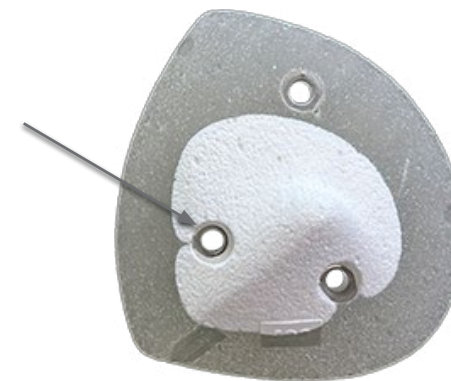
2. Climbing holds

Important Screws

SCREW HOLDS YOU NEED TO PAY ATTENTION TO

Use the indicated hole to put the first screw in, insert in the dot on the panel and then rotate the hold accordingly.

HOLD 057



HOLD 058



HOLD 063



HOLD 072



HOLD 102



HOLD 103



3. Routesetting

QUICK & EASY

The fastest and most efficient way to route set is by sorting the holds for each panel as you take them out of the packages.

The board is divided into 12 panels: 8 main panels, along with 2 kickboard panels and 2 side panels.

Make sure you open Table 1 in a different window and that you search the holds there.

Keep in mind that there are holds that are repeating on the board.

Panels Scheme

HOLD 108



HOLD 110



HOLD 125



HOLD 282



HOLD 294



HOLD 296



HOLD 299



HOLD 307



Left Side

[illegible]

Right Side

Table 1

		1	2	3	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	32	33							
LS																																			RS						
1	471 NE	444 E		432 SW		460 S		325 W		436 W		466 SE		447 S		305 E		526 SE		463 W		021 SE		517 SW		387 E		232 SE		357 W		462 E		438 SE		1					
2			x		019 SE		288 W		019 S		068 E		184 SW		291 E		159 SW		xx		224 SE		150 W		440 SW		366 E		396 E		162 SW		xx		176 SE		307 NE	2			
3	353 E	441 S		364 N		215 SE		028 E		036 S		474 E		290 N		329 W		415 NE		372 W		338 S		315 SW		458 N		001 SE		206 S		277 NW		512 W			3				
4			015 W		269 W		235 E		314 SE		448 SW		067 E		340 W		397 NW		004 S		239 S		355 SE		467 W		445 NW		399 NE		461 W		341 SW		109 E		293 SE	4			
5	428 SE	174 W		435 E		352 S		430 SW		071 SE		479 S		359 W		058 W		011 SE		227 SE		403 NW		011 S		210 SE		220 S		298 S		210 SE		369 NW			5				
6			527 W		178 E		391 E		475 E		402 SW		025 E		509 SE		514 SW		485 S		025 SE		226 S		273 SW		264 S		481 S		468 W		196 E 7		108 NE		219 NW	6			
7	295 S	163 S		011 E		040 W		519 W		140 SE		003 SW		048 SE		152 SW		303 E		026 S		002 S		440 NE		502 SE		365 S		166 S		214 SE		396 E			7				
8			257 SW		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		013 SE		517 NW		368 S	8			
9	044 E	143 SW		xx		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		343 E			9				
10			439 W		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		451 NW		508 SW		104 N	10			
11	395 NE	246 SW		442 N		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		119 N			11				
12			376 NE		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		277 NW		259 S		525 N	12			
13	480 SE	335 SE		069 W		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		373 NE			13				
14			388 NW		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		034 W		032 SW		094 NW	14			
15	118 SE	143 S		382 E		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		233 SE			15				
16			253 SE		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		070 SE		374 S		472 SE	16			
17	127 SW	090 S		363 SW		002 SW		299 W B		349 S		414 SW		330 E		277 NW		188 SE			xx		497 W		450 SW		099 SW		043 S		180 S		211 E		034 SW			17			
18			100 E		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		324 NW		265 S		464 SW	18			
19	018 SE	419 N		109 E		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		156 S			19				
20			279 W		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		236 SE		456 S		488 SE	20			
21	115 S	429 NW		017 S		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		149 E			21				
22			306 S		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		453 E		511 S		500 N	22			
23	103 N B	470 E		071 NE		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		040 SW			23			
24			144 S		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		484 SW		407 W		471 SW	24			
25	193 NW	322 N		448 SW		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		380 SW			25				
26			023 S		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		157 SW		052 E 6		289 N	26			
27	167 SE	179 SE		254 SE		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		192 W			27			
28			350 SE		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		258 SW		007 SW		119 W	28			
29	165 SE	194 NW		217 E		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		041 SE			29			
30			016 SE		126 N		022 SW		047 E		133 W		120 S		209 S		439 S		411 S		x		205 E		128 S		204 SE		442 N		515 S		155 S		221 S			30			
31			441 SE		459 S		279 SW		266 W		381 NW		248 S		045 W		308 S		022 SW		385 W		498 N		047 SE		107 E		454 E		x		411 NW		275 SE			31			
32			127 E		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		195 SW		148 N			32			
33			015 N		501 N		392 N		x		014 N		170 S		523 NW		138 W		134 SW		139 NW		038 S		520 S		x		x		126 N		135 SE		283 NE			33			
34			111 S		x		014 S		183 NW		130 E		x		x		129 W		169 NE		513 W		222 SE		116 N		261 NE		128 E		x		054 NE		069 W			34			
35		068 N		082 SW		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		020 NE		067 NE			35		
36			x		x		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		066 S		035 N			36
37			070 N		054 E		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		086 E		112 NE			37	

4. 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 6 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 Controller
(1x)



Power Cable
(1x)



dividing cable
(5x)



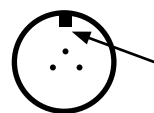
extension cable
(6x)



LED Strings
(14x)

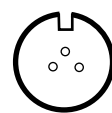
CONNECTING CABLES

Male End



little pin

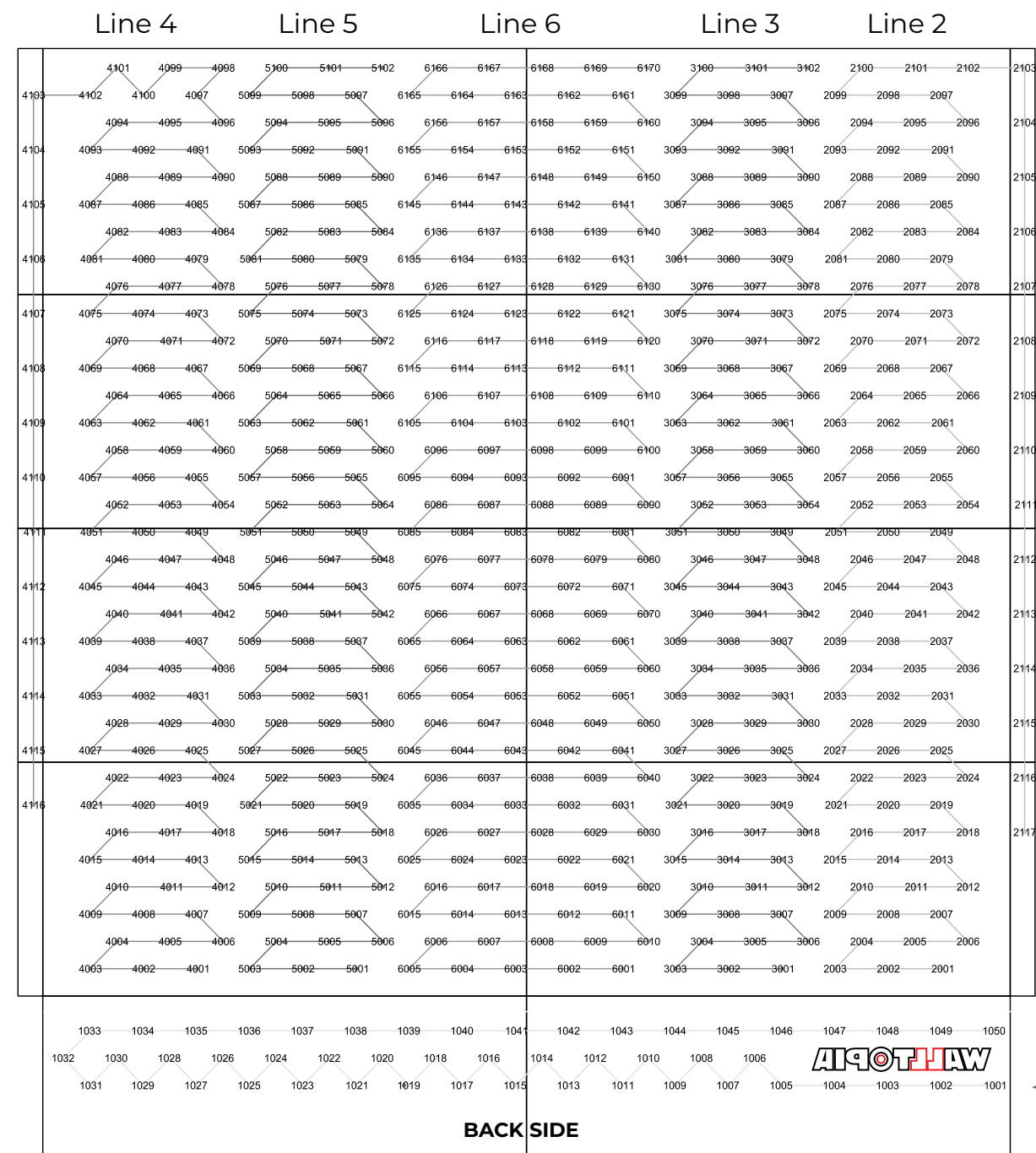
Female End



- ❗ 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.
- ❗ CAREFULLY CONNECT BOTH ENDS OF THE CABLE. IMPROPER INSTALLATION MAY DAMAGE THE ENTIRE SYSTEM ONCE THE POWER CABLE IS PLUGGED IN.

LED DIAGRAM

This is the diagram of the LEDs that you will use to install them. You will also find it in the attached files. As you can see there are 6 lines.



Line 1 is the only line that has just one LED per hold. All the other lines 2,3,4,5 and 6 have two LEDs and you will need to use a dividing cable at the start of the line.

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.

4. Controller Set Up

Example 1

Line 1

1



This is the Quantum Board LED Controller Box. It has 6 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.

i CAREFULLY CONNECT BOTH ENDS OF THE CABLE. IMPROPER INSTALLATION MAY DAMAGE THE ENTIRE SYSTEM ONCE THE POWER CABLE IS PLUGGED IN.

4

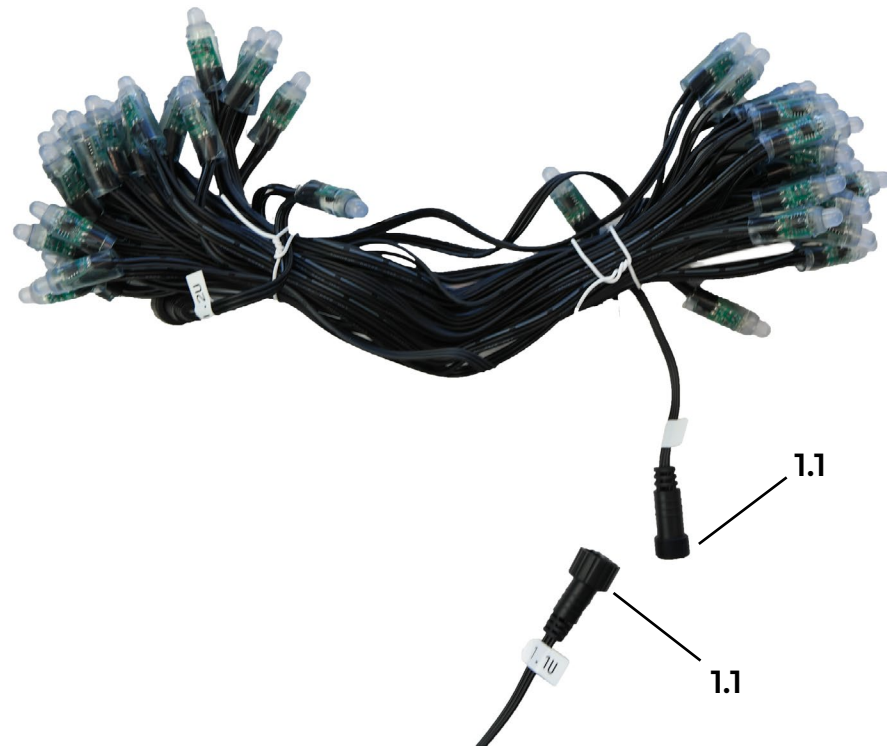


Control Box

Extension Cable
Line 1

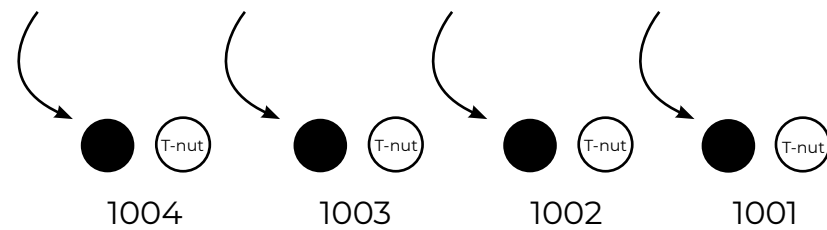
Connect the male end of the extension cable, labeled "Line 1 Start" to the first outlet in the LED Control Box.

5



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

6



Unlike the other five lines, Line 1 has just one LED per hold position, located to the left of 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 1050.

4. Controller Set Up Example 2 Line 2

1



This is the Quantum Board LED Controller Box. It has 6 lines that you have to connect with cables to it. In this example we will show you how to connect Line 2.

2



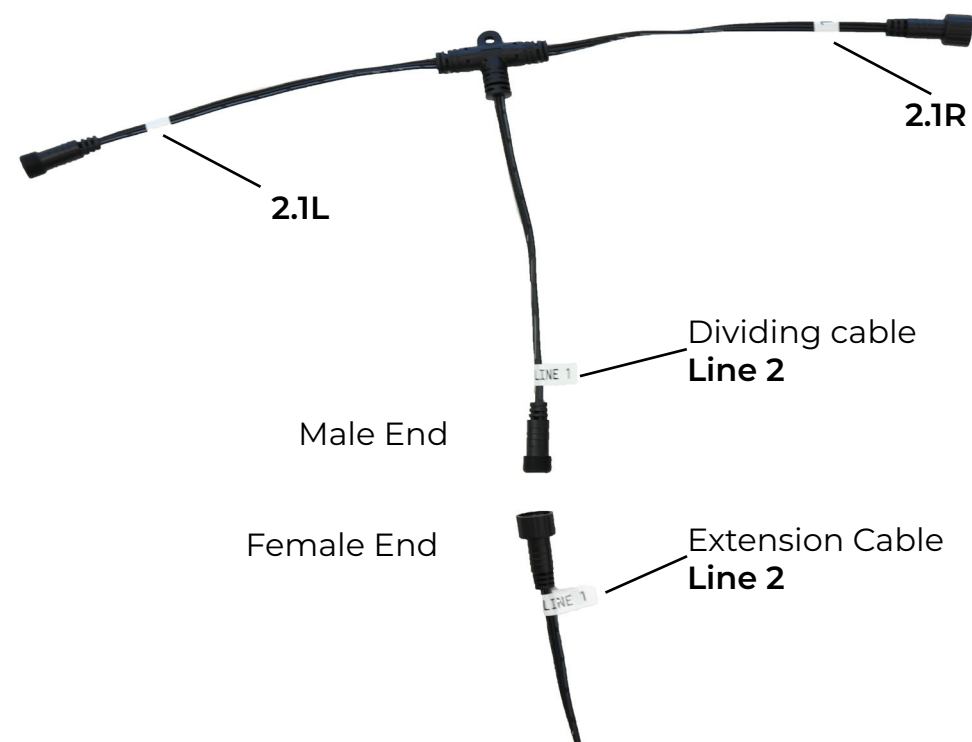
First we take the LED Controller Box from Step 1 and an extension cable, labeled "Line 2 Start".

3



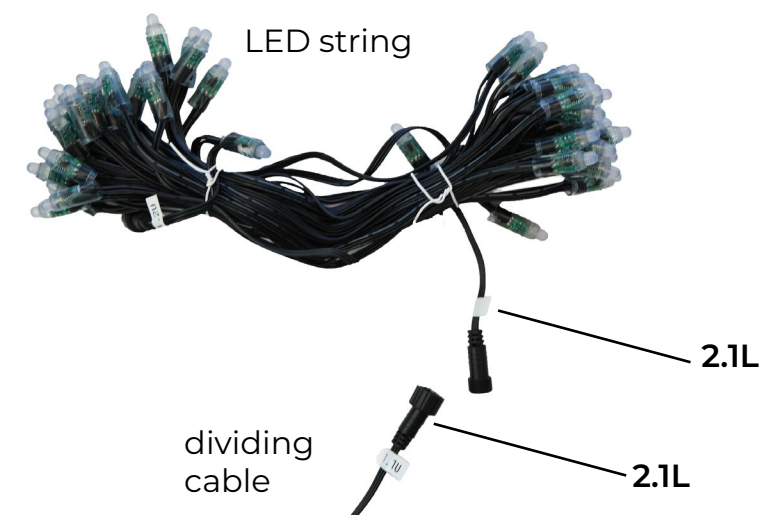
Connect the male end of the extension cable, labeled "Line 2 Start" to the first outlet in the LED Control Box.

4



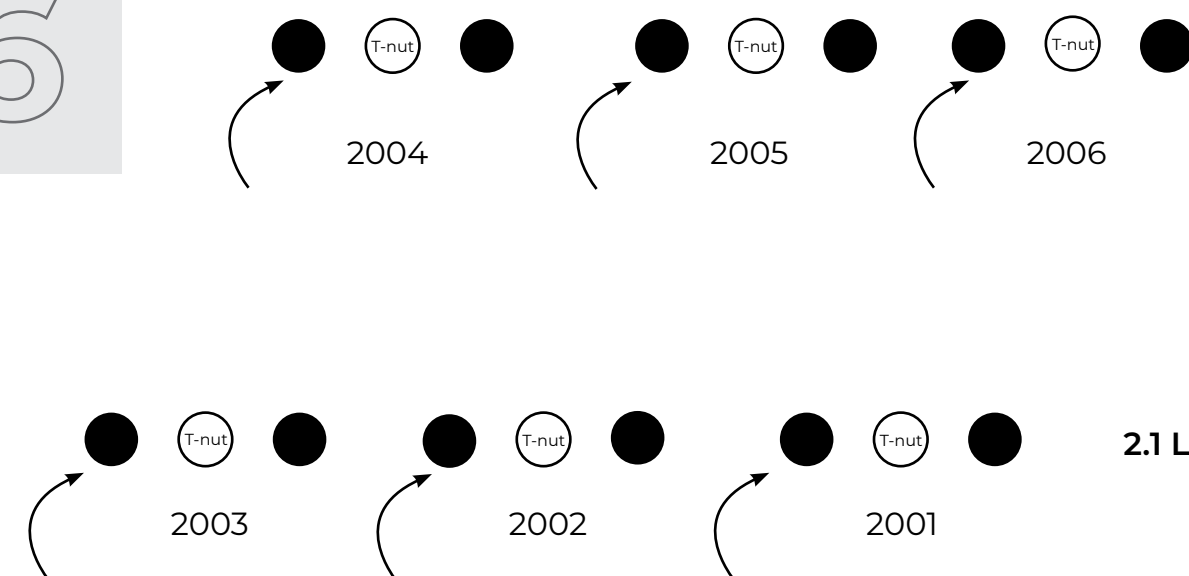
Take one of the dividing cables and connect it to the other end of the Line 2 extension cable. You will see that the diving cable has two more outlets labeled 2.1 L and 2.1 D.

5



Now take the 2.1 L end of the dividing cable and connect it to the first LED string labeled "2.1 L and 2.2 L".

6



L stands for LEFT. All of the LEDs connected to this string have to be inserted LEFT of the t-nut.

LED Diagram

