Steora STANDARD CR

Installation manual

include

Contents

::::: include

No.	Bolts and nuts	Qty.
	ANCHOR BOLT OPTION	
1	Fischer bolt anchor FBN || 8	2
2	M8 hexagon nut (DIN934)	2
3	A8 Washer (DIN125)	2
	PLASTIC ANCHORS OPTION	
1	Plastic anchor Ø14 mm	2
2	Metal bolt Ø10 x 80 mm	2

	Quantity	Size
Tools		
Combination wrench 13 and 15	1	13, 15
Cordless drill with 8 and 14 mm bits	1	-
Phillips head screwdriver	1	1
Wire strippers	1	-
Pliers	1	-
Hammer	1	-

:::: include

1. Unpacking Steora Standard CR

1) Steora Standard CR is transported in suitable wooden packaging (crate) in order to remain protected during transport. When the bench is delivered, please visually check the condition of the crate and the existence of the lead and wire seal, the lack of which indicates the box was opened during transit

2) The wooden crate contains a movable top panel that needs to be removed in order to take out the device. It is recommended to remove the panel of the box only on a flat surface near the place of installation. To remove the panels of the box, it is recommended to use a cordless drill/crosshead screwdriver

3) Remove the panels of the wooden crate in the following order:

   a. Remove all screws from the top panel of the crate, and then remove the top panel
   b. Remove all screws from the side panel of the crate (only one side has screws), and then remove the side panel

4) The flooring of the crate on which the bench stands contains anchor bolts that ensure the stability of the bench during transport. The legs of the bench are mounted on screws and fastened with a wingnut. In order to separate the bench from the crate, it is necessary to remove the wingnut and then carefully raise the bench above the anchor bolts and take it out of the crate.
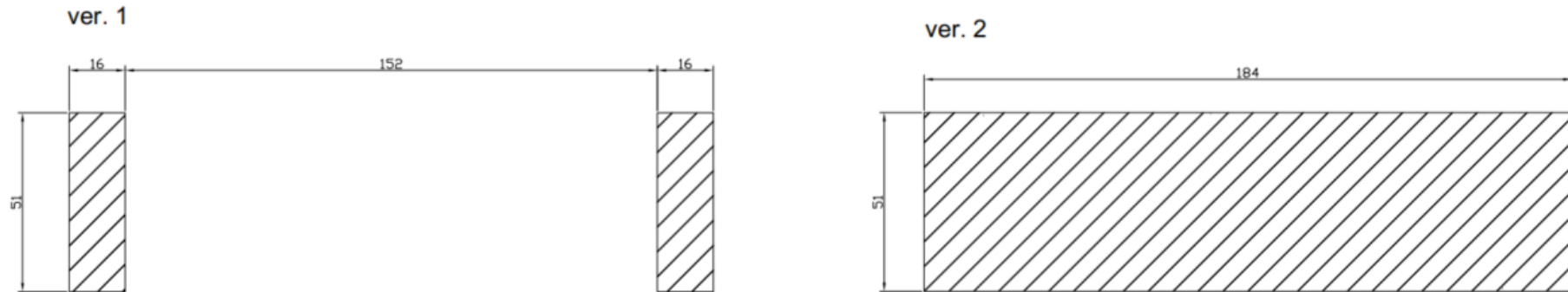
::::: include

2. Preparing the base for installation procedure

The following instruction describes the base (foundation) preparation for the Steora Standard CR bench.
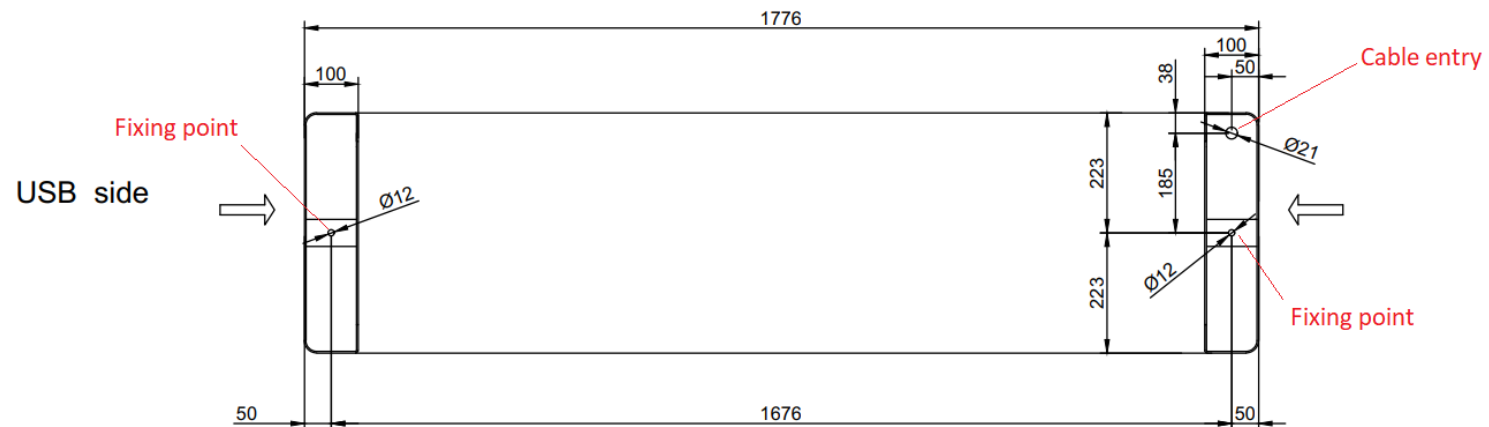
1) The base needs to be flat and hard. Concrete with strength class C20/25 should be used as a reference. With regard to the base, the condition is met by an equivalent stone surface, while asphalt and earth surfaces are unsuitable for installation

2) Recommended base dimension is 184 cm in length and 51 cm in width. The minimum required base depth is 10 cm, although we recommend 15 to 20 cm.

3) The base can also be made as two separate elements, each of them for one leg of Steora Standard CR. In this case, each element should be 16 cm long and 51 cm wide. The distance from the two elements should be 152 cm measured from the inside sides.

4) If a grid power module is purchased with the Steora (additional option), it is necessary to prior set (pre-install) a 230/110V power cable in the base. A PGP cable 3x1.5 mm2 is suitable, installed so that it protrudes from the centre of the base at a length of 30 cm. The power cable must be precisely installed in the base so that during the installation of the bench it is pulled through it

5) It is important to ensure that the power cable is installed in such a way that a drill bit can't damage the cable during the drilling process

6) The exact positions and dimensions for the preparation of the power cable in the base can be found on the next page in chapter 2.1. Foundation dimensions and cable position

7) Before installation, be sure to unplug the power cable to prevent electric shock. The installation is to be executed by an experienced electrician

::::: include

2.1. Foundation dimensions and power cable position

a. The following drawing shows two options for preparing the base, in accordance with chapter 2.

ver. 1

ver. 2

b. Exact fixing point positions and power cable entry are shown on the following drawing:

NOTE: All dimensions are in millimetres.

include

3. Steora Standard CR installation

1) Place the bench on the base position where it will be permanently installed and mark drilling hole positions through the holes on each leg with a pencil.
2) After marking the position of the drilling holes on the base, move the bench in order to drill the holes for the anchor bolts or plastic anchors

ANCHOR BOLT

3) If you received anchor bolts (FBN 8 fischer bolt anchor) drill two 60 mm deep holes using an Ø8 mm drill bit. Insert the FBN 8 anchor bolts into the drilled holes so that the lower part of the bolt fits entirely into the previously drilled hole. Use a hammer in order to get the bolt to enter the hole and achieve an interference fit.
4) Insert the FBN 8 anchor bolts into the drilled holes so that the lower part of the bolt fits entirely into the previously drilled hole. Use a hammer in order to get the bolt to enter the hole and achieve an interference fit.
5) Place the bench on the anchor bolts so that the bolts pass through the round holes in the legs of the bench.
6) When bolts are correctly positioned in the legs of the bench, install the disc spring ID10.2, S2.5 (DIN2903) on the anchor bolts, followed by the washer A8 DIN125, and finally the nut M8 DIN934.
7) Using a 13 mm combination wrench, tighten the nut so that the bench leg cannot be detached from the base.

8) After tightening all four nuts, check the stability of the bench and the strength of the base, and if necessary, additionally tighten the nuts in the legs.

PLASTIC ANCHORS

9) If you received plastic anchors drill two 80 mm deep holes using a Ø14 mm drill bit. Insert plastic anchors into the drilled holes completely. Use a hammer in order to get the anchors to enter the hole and achieve an interference fit.
10) Place the bench over the plastic anchors and insert a metal bolt Ø10x80 mm with washer A10 Din125 from the bench leg to the plastic anchor. Using a 15 mm combination wrench tighten the bolt so that the bench leg cannot be detached from the base.

::::: include

4. Connecting the 230/110V power cable

Note:

- The power cable is installed in the base and connected to the bench only if a Hybrid module is purchased with the bench
- Connecting of the power cable is to be executed by an experienced electrician

1) The power cable is to be connected after the bench is attached to the base, and the cable carefully routed through the bench leg to the outer opening in the leg

2) Disassemble the power connector and first install the clamping nut on the cable protruding from the base through the bench leg. After placing the clamping nut, place the rest of the power connector's waterproof case on the cable

3) After having placed the wires in the power connector correctly, pull the waterproof case over the connector, and then the clamping nut that needs to be tightened by hand, while minding not to disconnect the cable from the power connector
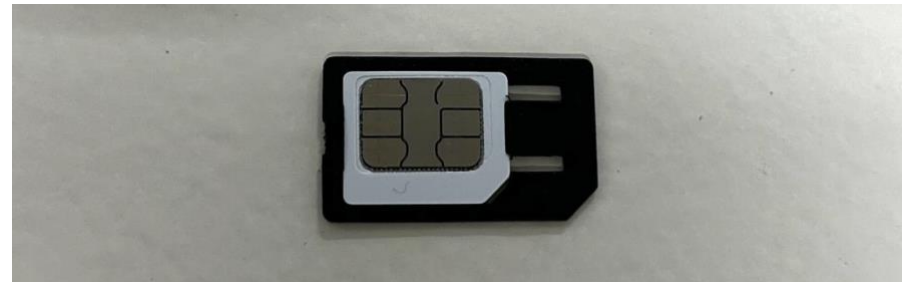
5. Wi-Fi settings

If you bought a Wi-Fi module that communicates via a SIM card with the Steora Standard CR bench, the device may require manual setup for an access point name (APN) and/or SIM card PIN for the system to work properly. Setting up an APN and/or PIN requires using a device with Wi-Fi access, such as a laptop or mobile device.
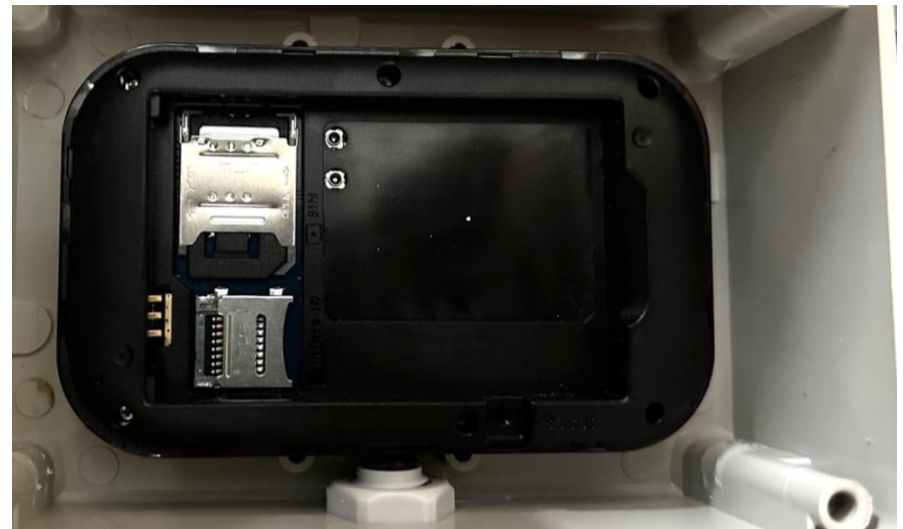
1) Open the waterproof casing with a Phillips screwdriver and you will see a Wi-Fi device placed inside the casing:

2) Inside the casing you will also find two plastic SIM adapters. This Wi-Fi device uses a regular-sized SIM card, so in case your SIM card is micro or nano, you can use adapters for making it regular-sized, as shown in the next photo:
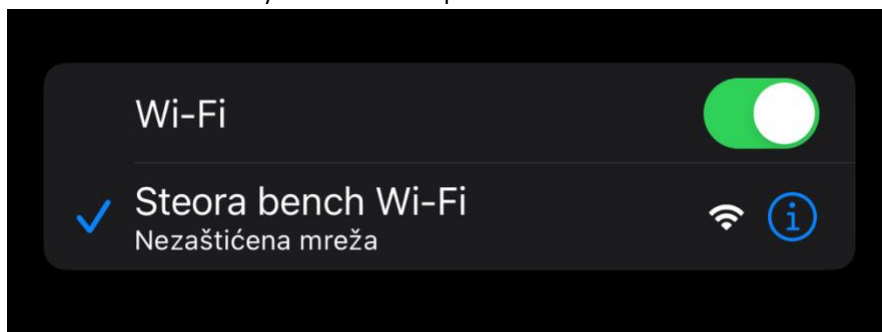

3) Remove the battery from the Wi-Fi device and insert the SIM card in the SIM card slot. The SIM card can only fit one slot in one direction:
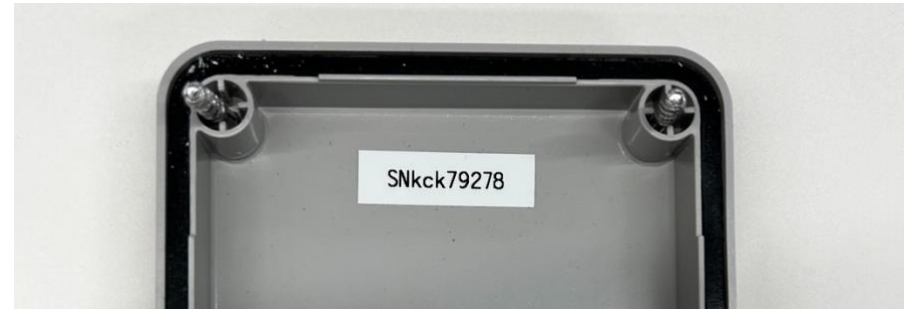

:::: include

4. Put the battery back into the Wi-Fi device, turn on the bench with the ON/OFF (1/0) button on the main electronic board and press the POWER button on the Wi-Fi device. The POWER button on the Wi-Fi device is positioned on the opposite side from the power connection cable:
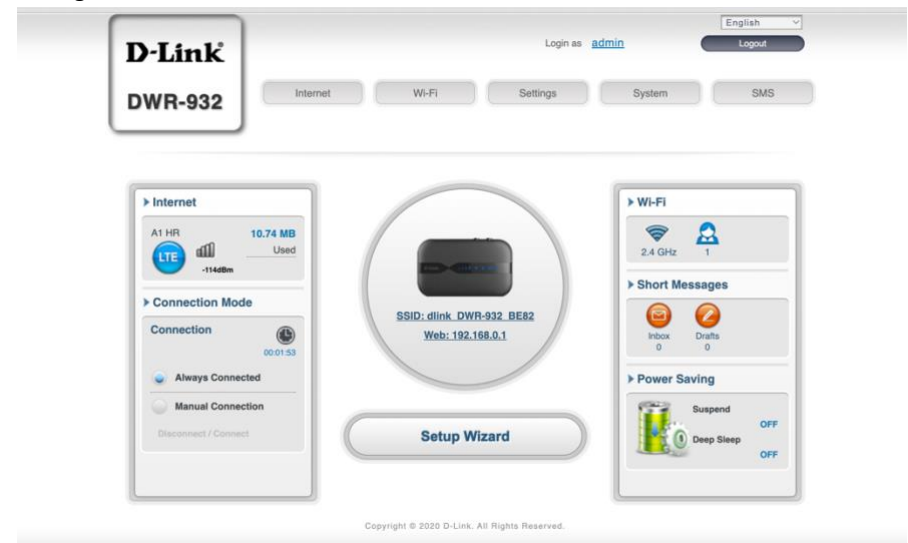

5) Wait for two or three minutes and the Wi-Fi network named "Steora bench Wi-Fi" should be visible on your PC or smartphone:
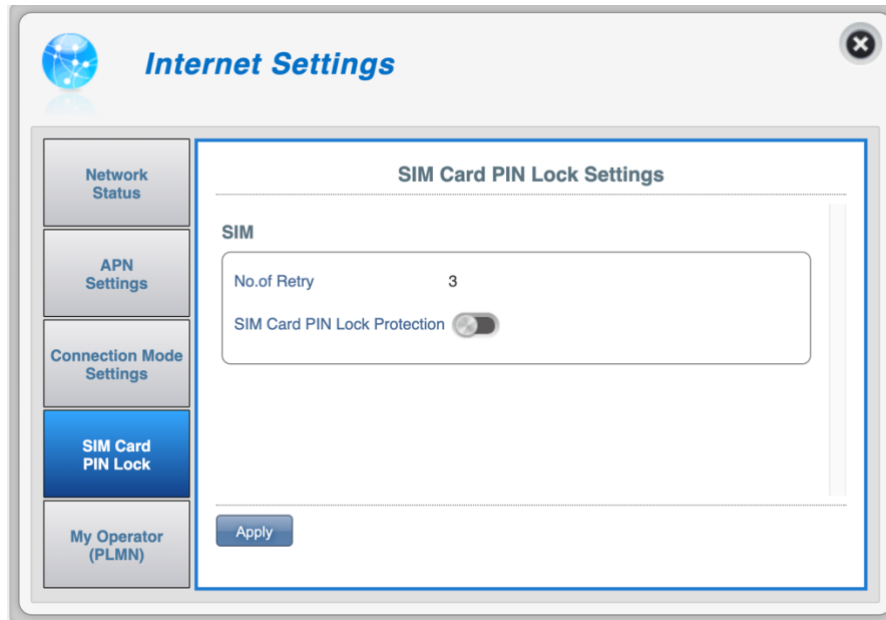

6) Connect to the network and use a web browser to go to 192.168.88.1 to log in to the router's configuration interface. The default username is admin and the password is placed on the inside of the waterproof casing hatch:

7) Once you are connected to the configuration interface you should see basic information, such as if the device is already connected to the internet, signal strength, SSID etc.:

::::: include

8) To change APN manually click on Internet and then APN settings. To remove the SIM card PIN lock click on the Internet and then on SIM card PIN lock:

9) Click Apply to save changes and test the internet connection by visiting pages such as speedtest.net

10) If everything works as expected you can now close the waterproof casing. We recommend not turning off the Wi-Fi device on the POWER button, as you will have to open the waterproof casing if you want to turn it on again.

Include Ltd.

don Frane Bulića 183a

21210 Solin

Croatia

www.include.eu

PRINTED ON RECYCLED PAPER

include