



This is the

On site

milling guide for Heart



PowerKiss

The PowerKiss Heart is a different kind of transmitter for wireless charging. It does not take up space on your table as it is attached underneath the tabletop. From there it will charge your devices, without any cables while the furniture surfaces will remain clean and free just like you have planned them to be.

For this, the Heart needs to be installed into a specific hole pattern that can be done either on site or at workshop. This booklet will guide you how to do the processing on site.

WARNING To avoid injury, read all the installation instructions, operating instructions and safety information in this guide.

Always use powertools and their accessories according to manufacturer's instructions and with extreme caution. PowerKiss is not responsible for third-party products and their quality before or after the installation.

IMPORTANT The operation of PowerKiss Heart is highly dependent on the accuracy of the performed milling - ensure that you have understood the specifications of the ready groove before starting, depicted on pages 9 - 10. If you are unsure about something, contact your PowerKiss representative.

Before using the jig, it is recommended to practice a few joints with off-cuts of worktops or other materials to familiarize yourself with the jig plate.

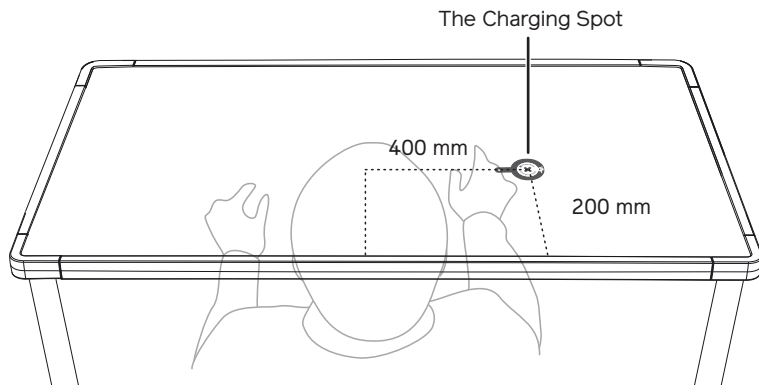
Specifications

Requirements for the piece of furniture

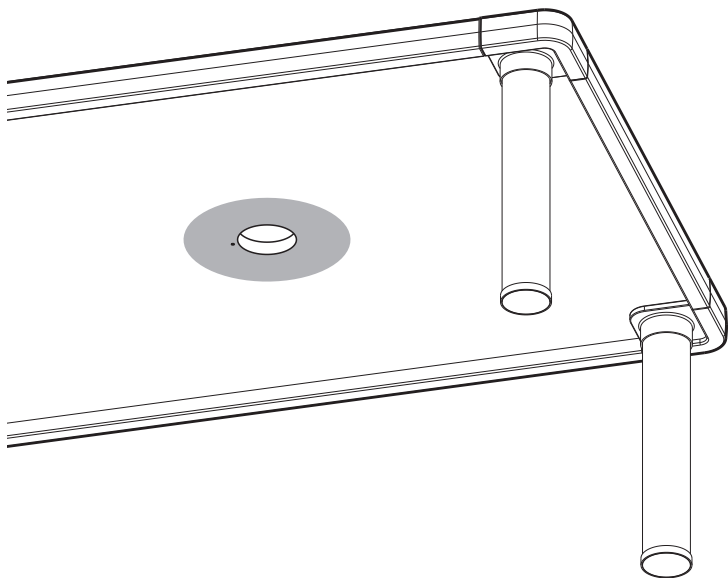
Feature	Requirement
Surface thickness range	22 - 57 mm (0.866 - 2.244 inches)
Material restrictions	No metal or magnetic materials directly above Charging Spot
Minimum Charging Spot distance from the user	200 mm (8 inches)
Optimal Charging Spot distance from the user	400 x 200 mm (16 x 8 inches), see picture (p. 8)

How it should look like

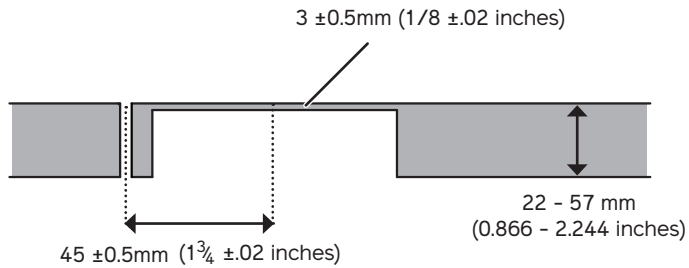
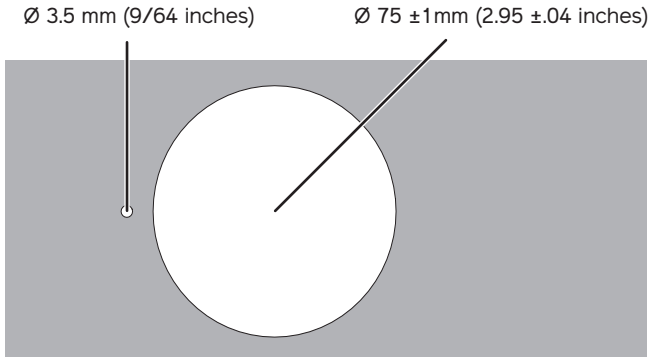
The ready table



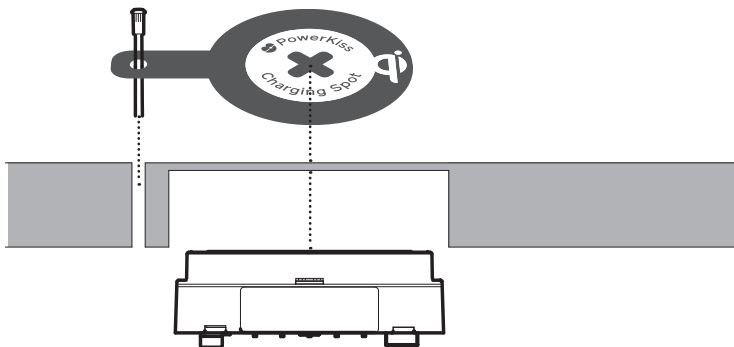
The hole that is made through the surface is always on the left of the actual Charging Spot



How it should look like



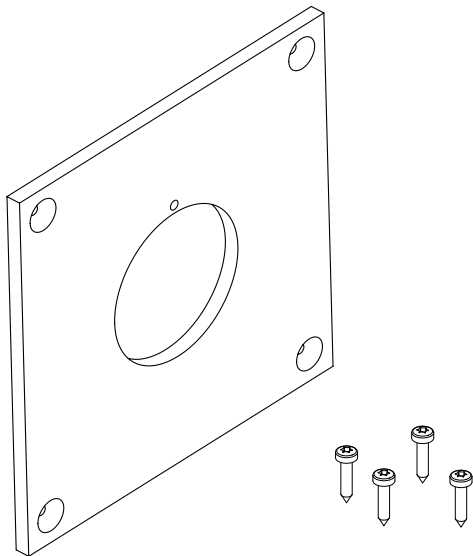
Installation in short



What you need

1

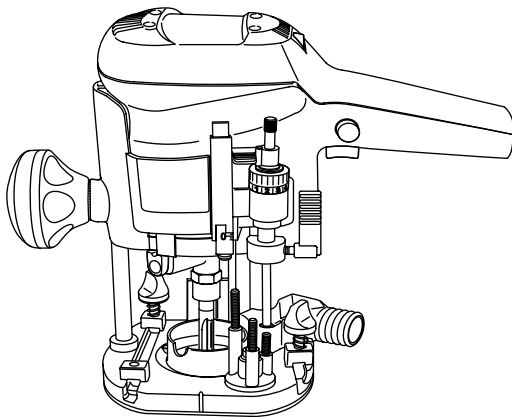
The jig plate and screws



The PowerKiss Router Jig is compatible with all plunge-capable routers that can be fitted with a 17 mm (0.6693 inches) copy ring

Plunge Router

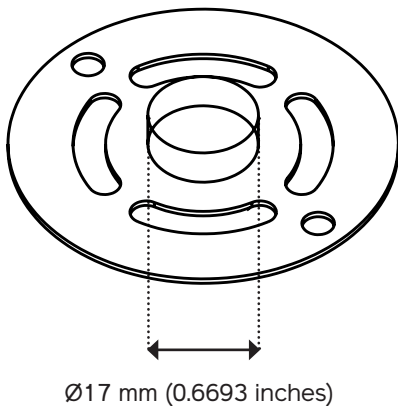
2



See that the used router bit has sufficient overall length for the target surface

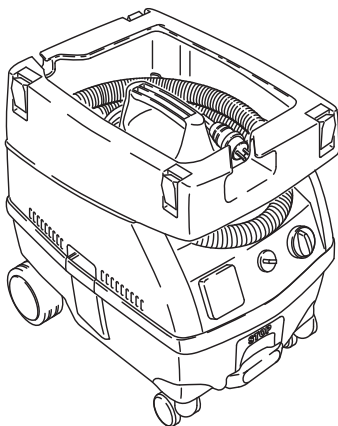
3

Copy ring for the router



Vacuum cleaner

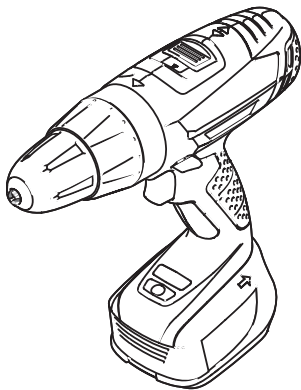
4



Remember to clean after yourself.

5

Drill and the correct drill bits



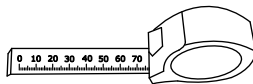
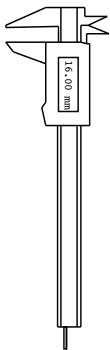
Ø 3.5 mm (9/64 inches)



T20 bit

Measuring equipment

6

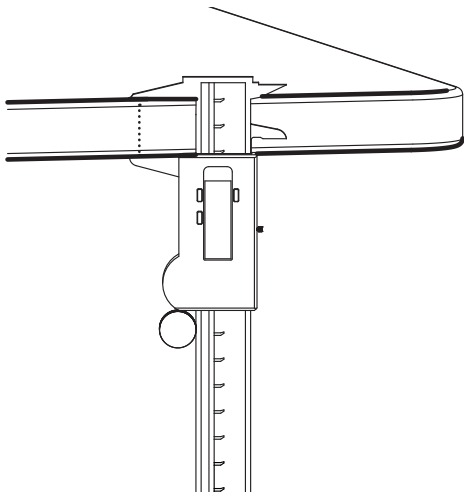


How to do it

1

Check the target surface

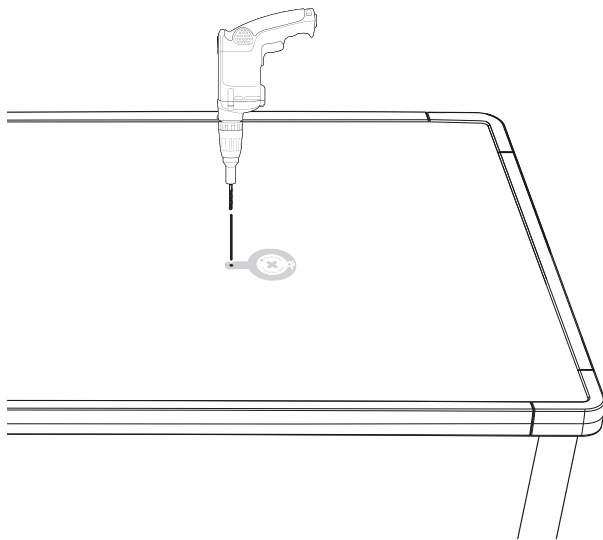
Measure the table surface thickness with extreme care, using a caliper. If the thickness is within the range specified, continue.



2

Hole through the table top

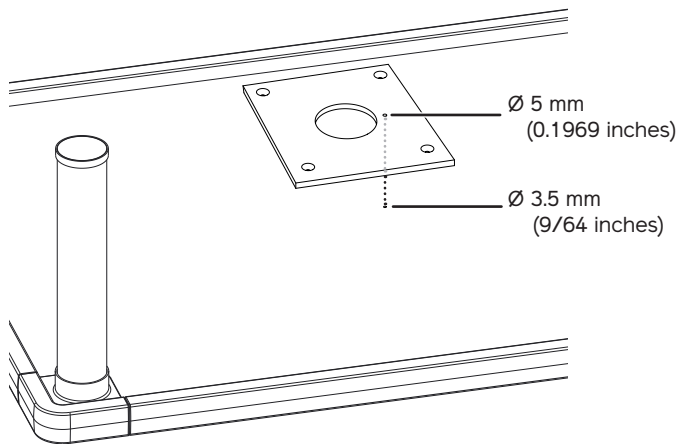
Drill a hole of $d = 3.5\text{mm}$ (9/64 inches) through the surface of the furniture at the desired place for the PowerKiss Heart



3

Turn the table and place jig plate

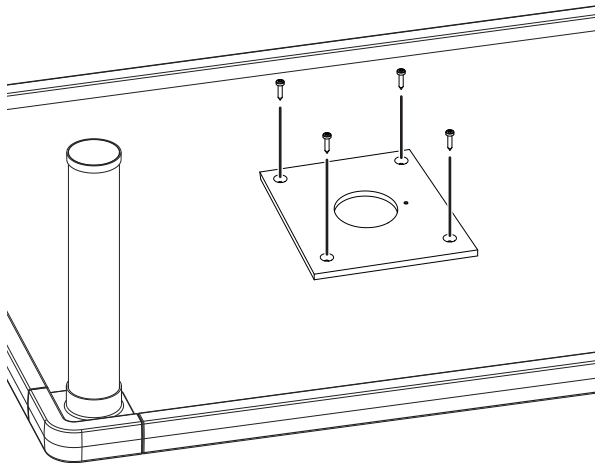
Turn the table around and place the jig plate so that its dia = 5 mm (0.1969 inches) hole is directly above the just drilled 3.5 mm (9/64 inches) hole



4

Attach the plate

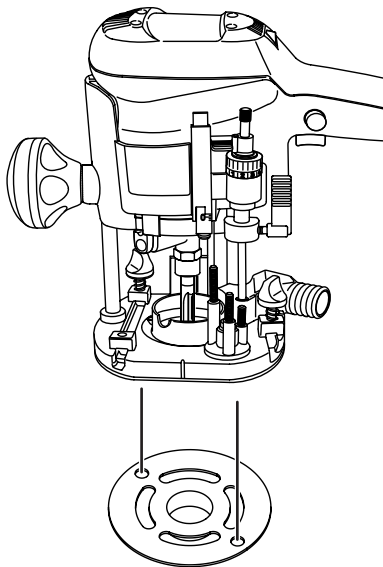
Attach the jig plate with the provided screws to the surface



5

Attach copy ring

Attach the copy ring to the router

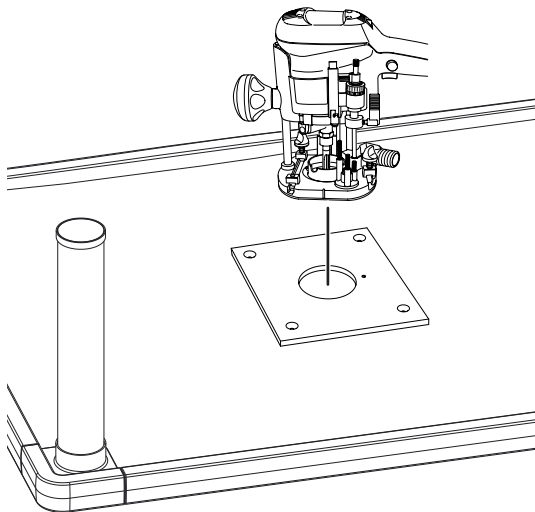


6

Measure and set the plunge depth

Place the router on the jig plate and measure the needed plunge depth. The surface thickness at the ready groove must be $3 \pm 0.5\text{mm}$ ($1/8 \pm 0.02$ inches).

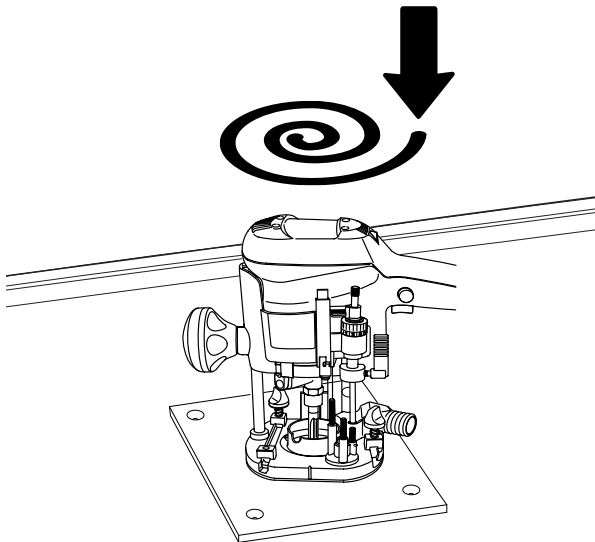
Double check the values before starting!



7

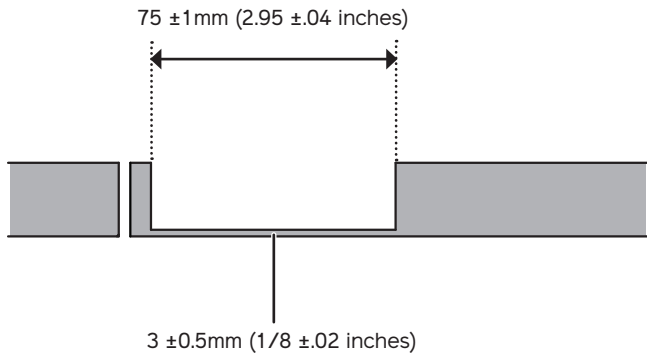
Do the hole

Turn on the router and plunge it slowly. Guide the router against the edges of the circle so that the whole fixture of the guide is processed to the surface



8

Check the result!



Safety information

Safety information

When using power tools, basic precautions should always be followed.

In particular:

- Before using any power tool, check first for damaged parts and if found, do not use them before the part or parts have been replaced with new ones
- Always ensure that the path of the router is kept clear of any obstruction e.g. clamps
- Always ensure that the cable of the router is clear of the jig and is of sufficient length
- Do not switch router on with the cutter touching the work piece
- Do not force the router to work fast. This will result in a poor quality cut and can also damage expensive router bits
- Never remove the router from the jig whilst it is still in motion
- Always allow the router to stop and switch off before removing
- Always keep the router base parallel to the jig, and the router in an upright position. Failure to do so will cause an unmatched joint

- Don't over reach; keep proper footing at all times to ensure correct balance
- Wear safety goggles at all times, everyday glasses are not sufficient for eye protection as lenses are not impact resistant and could shatter. Use a face or dust mask if operation is likely to be dusty and ear defenders during periods of operations
- Don't wear loose clothing, neckties or jewellery or other items which may get caught in moving parts. Wear non-slip footwear, cover or tie back long hair and roll long sleeves above the elbow
- Never exceed 10mm depth cut in one cut
- Be sure to set plunge depth correctly, plunging through the table will remove the centre plug that guides the jig and create a serious hazard

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