Kew Labs invisible wireless charging - Quick start guide

COSENTINO®

REV. 01 - 03/2023

Kew Labs UTS-1 Invisible wireless charger - THIN

Kew Labs UTS-1 Invisible wireless chargers are designed to be installed under non-metallic materials to turn any surface into a hidden wireless phone charger. UTS-1 Invisible wireless charger - Thin (SKU UTS-1T) has been tested and approved for use by Cosentino® with Dekton®, Silestone® and Sensa.
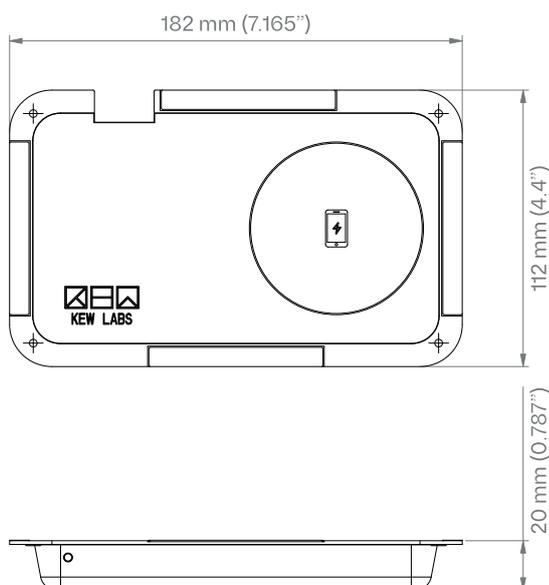
Recommended installation areas with Cosentino® materials include:

→ Kitchen countertops.
→ Kitchen islands.
→ Furniture and bar tops.

Product features

→ Hidden phone charging keeps surfaces tidy.
→ 8 - 12 mm [0.31" - 0.47"] long distance charging capability.
→ Compatible with all wirelessly charging enabled phones.
→ Apple™ and Samsung™ fast charge protocols.
→ Patented Intelligent Power Communication™ (IPC™) Technology.
→ Daisy chain two chargers with 1 adapter (SKU-UTS-1TDC).

Specifications

182 mm (7.165")

112 mm (4.4")

20 mm (0.787")

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UTS-1 - THIN specifications

Parameter	Value		
	SKU	Name	Product version
Product SKU & variations	UTS-1T	UTS-1 Wireless Charger - Thin version	THIN
	UTS-1TDC	UTS-1 Daisy Chain Wireless Charger - Thin version	THIN
Input power	DC 12V/3A (DC12V/5A for daisy chain adapter)		
Output power	Max. 20 W		
Charging	Apple 7.5 W, Samsung 10 W, Standard 5 W Qi wireless charging		
Material compatibility	Dekton®, Silestone® & Sensa		
Devices compatibility	All Qi wireless charging enabled devices		
Unit size/weight	18.2 cm (L) x 11.2 cm (W) x 2.0 cm (H) / 208 g 7.165" (L) x 4.4" (W) x 0.787" (H) / 7.34 oz		
Accessories included	Multi design charging position stickers, calibration templates, power adapter 12V/3A/5A, cable management clips, screws, double sided tape (pre-fixed)		
Fixing method	Pre-installed 3M VHB double sided tape or screws (provided)		
Certifications	**Charger:** FCC, IC, CE, KC, RoHs **Adapter:** CE, UL, RoHs, JP, GS, KC		

→ See www.kewlabstech.com/uts-1install for full product and adapter specifications.

Installation thickness

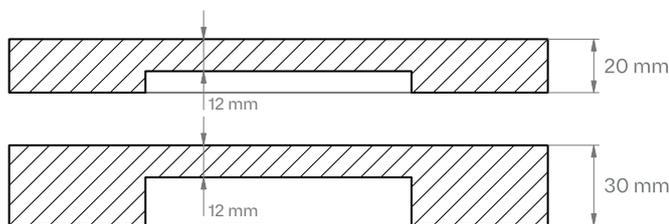|	8 mm	12 mm	20 mm	30 mm
Material	Dekton® - -	Dekton® - Silestone®	Dekton® Sensa Silestone®	Dekton® Sensa Silestone®
Main application	Furniture	Kitchen Horeca Furniture	Kitchen Horeca Furniture	Kitchen
Compatibility	Yes	Yes	Yes	Yes
Routing requirements	None	None	Route to 12 mm	Route to 12 mm
Charger setting	L	H	H	H

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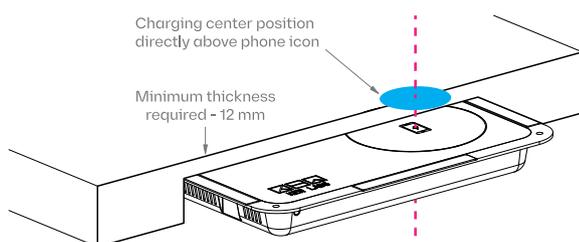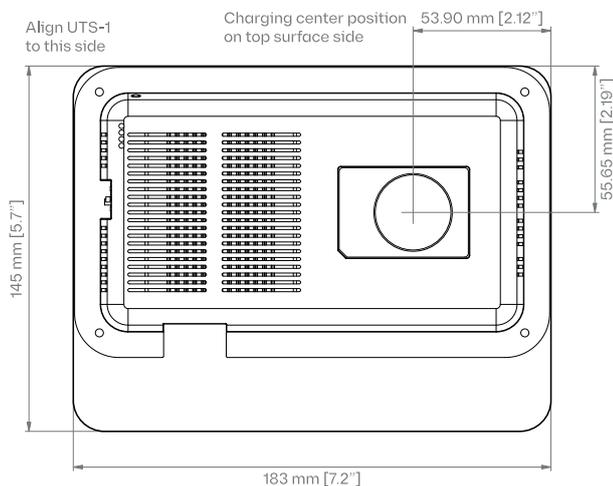## Kew Labs UTS-1 Invisible wireless charger - THIN

Installation basics and tips

→ Routed installation

If surfaces are thicker than 1.2 cm, Cosentino® recommends to route in the UTS-1 charger to achieve the ideal thickness of 1.2 cm. Exceptionally, 8 mm thickness can be used (only for Dekton®) with the appropriate setting of the wireless charger.

12 mm — 20 mm
12 mm — 30 mm

The sizing guidelines below allow for extra cable area so the unit can be plugged in. If following a different routing shape please account for the power cable protrusion.

Align UTS-1 to this side
Charging center position on top surface side
53.90 mm [2.12"]
55.65 mm [2.19"]
145 mm [5.7"]
183 mm [7.2"]

Charging center position directly above phone icon
Minimum thickness required - 12 mm

→ Design tips

Ventilation allowances
Wireless charging naturally produces a small amount of heat in both phone and charger. Do not direct cover the UTS-1 vent and leave at least 5 cm [2"] clearance.

Heat proximity
UTS-1 charger and the milling must not be located within 15 cm [6"] of a heat source such as hobs, pans, etc.

Cut-outs proximity
UTS-1 charger and the milling must not be located within 15 cm [6"] of a cut-out or another milling.

Water protection
UTS-1 is not waterproof so should be located with adequate protection or distance from water sources like sinks.

High temperatures
High environmental/room temperature affects wireless charging performance. Avoid mobile phones charging in direct sunlight or temperatures exceeding 30 °C (86 °F).

→ Installation and setup help

Ensure charger is set to correct setting in 'installation thickness' table

Phone placement tip
Align center of phone with charging indicator.

Re-connecting your phone
It can take 2 - 3 seconds for a phone to connect once placed on the charger. Do not immediately move the phone if it does not connect when placed down.

Download full installation instructions and technical drawing:

→ For project, purchasing and installation inquiries

Please email info@kewlabstech.com.
Cosentino® dealer portal registration:
www.kewlabstech.com/register.

→ For product support and aftercare

Please email support@kewlabstech.com.