KEW LABS INVISIBLE WIRELESS CHARGING – QUICK START GUIDE

COVERLAM | TOP

PRODUCT APPROVAL SHEET
rev.01 10/2023

Kew Labs UTS-1 Invisible wireless charger - THIN for Coverlam Top

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 with **Coverlam Top**.
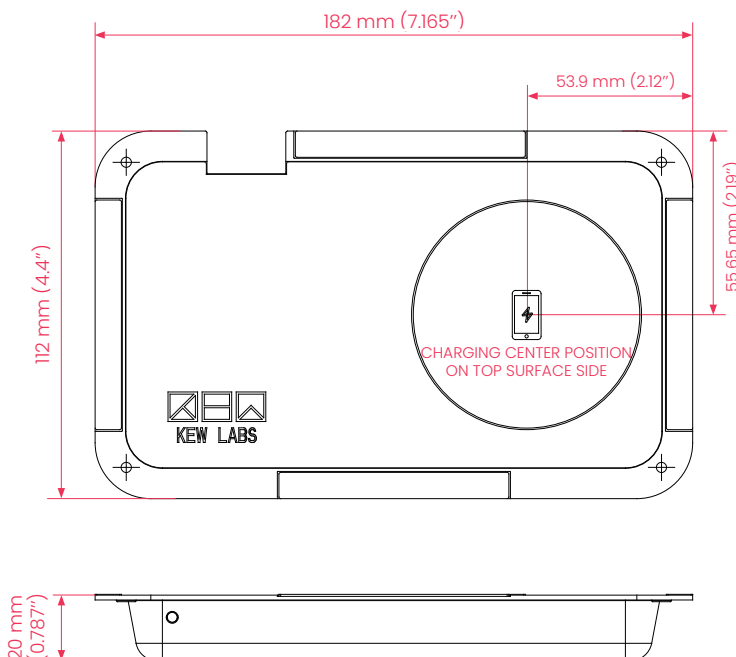
Recommended installation areas with Coverlam Top include:

-Kitchen countertops
-Kitchen islands
-Furniture and bar tops

Product features

-Hidden phone charging keeps surface 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

CHARGING CENTER POSITION ON TOP SURFACE SIDE

182 mm (7.165")
53.9 mm (2.12")
55.65 mm (2.19")
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 (DC 12V/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	Coverlam Top		
Devices compatibility	All Qi wireless charging enables 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
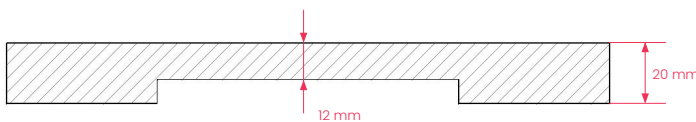
Installation thickness

	10,5 mm	12 mm	20 mm
Compatibility	Yes	Yes	Yes
Routing requirements	None	None	Route to 12 mm
Charger setting	H	H	H

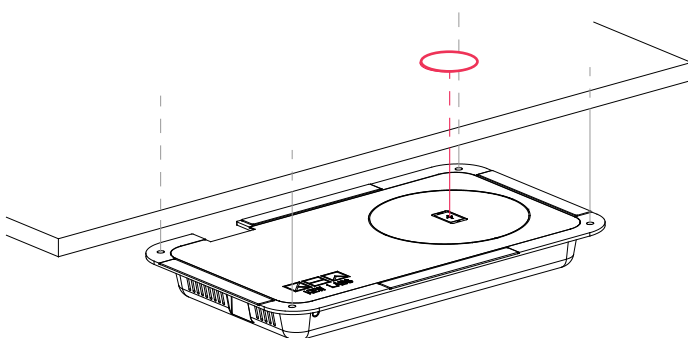# Installation basics and tips
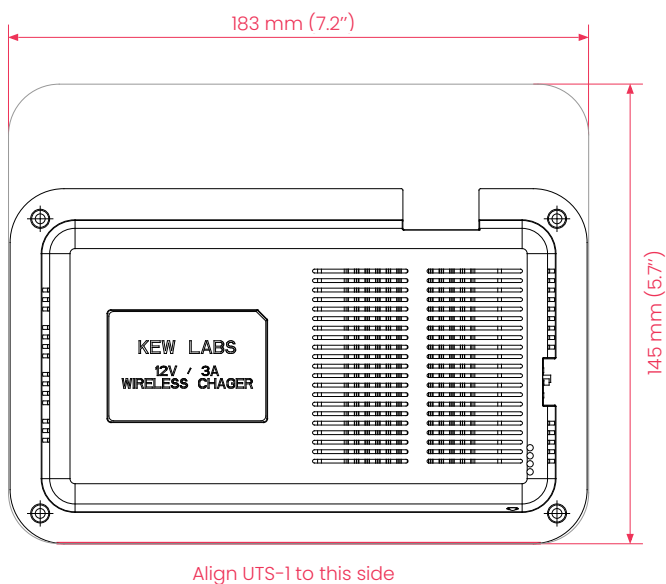
-Routed installation

The ideal thickness for the UTS-1 charger is 12 mm.

For Coverlam 20 mm it is recommended to route into the UTS-1 charger to achieve the ideal thickness of 12 mm.

20 mm

12 mm

Coverlam mesh does not need to be removed before installation.

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.

183 mm (7.2")

145 mm (5.7")

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12V / 3A
WIRELESS CHAGER

Align UTS-1 to this side

-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 ºC (86 ºF).

-Installation and setup help

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

Charger access:
Ensure there is anough room around the charger that it can be removed if necessary.

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.

-For project, purchasing and installation inquiries

Please email **info@kewlabstech.com**
Coverlam dealer portal registration:
www.kewlabstech.com/register

-For product support and aftercare

Please email **support@kewlabstech.com**