

# UTS-1 INVISIBLE WIRELESS CHARGER

COMPATIBLE FOR USE WITH



## Quick Start Guide

Setup and Installation on Laminam Surfaces

*Developed & manufactured by:*



K E W L A B S

# Quick start guide

## Kew Lab 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 on Laminam® surfaces.**

### Product Features:

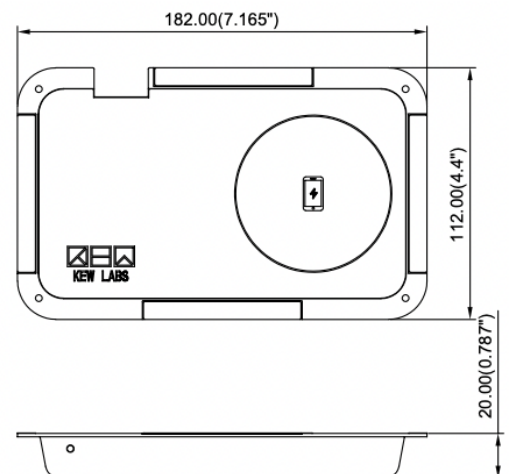
- Hidden phone charging keeps surfaces tidy.
- 8-12mm (0.31"-0.47") long distance charging capability
- Apple® and Samsung® fast charge protocols
- Patented Intelligent Power Communication™ (IPC™) Technology.
- Daisy chain two chargers with 1 adapter (SKU: UTS-1TDC)

### Recommended Usage:

- Kitchen countertops
- Kitchen Islands
- Furniture and bar tops

## Installation Thickness Guidelines

Laminam Surface (mm)	Main Application	Compatibility	Routing Requirement	Charger Setting
12+	Countertops & Furniture	Yes	No	H
20+		Yes	Route to 12 mm <sup>1</sup>	H

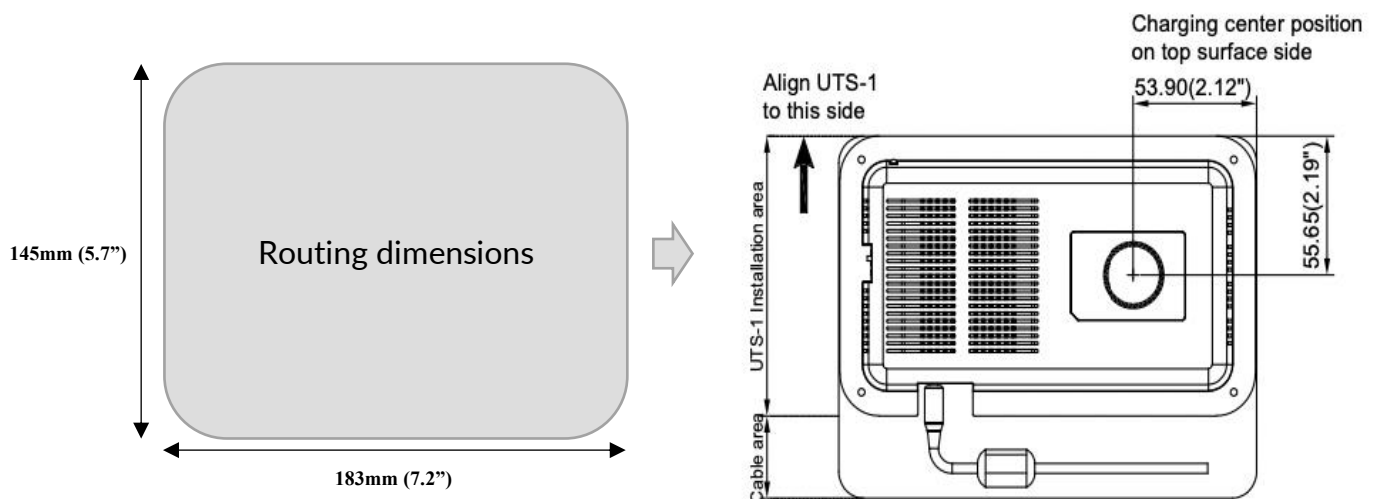


<sup>1</sup> See Laminam's Technical Guide for Fabricators for technical information about routing the 20mm slab.

# Specifications

Item	UTS-1 - THIN Specifications		
<b>Product SKU &amp; Variations</b>	SKU	Name	Product Version
	UTS-1T	UTS-1 Wireless Charger - Thin Version	THIN
	UTS-1TDC	UTS-1 Daisy Chain Wireless Charger - Thin Version	THIN
<b>Input Power</b>	DC 12V/3A (DC12V/5A for daisy chain adapter)	<b>Output Power: Max 20W</b>	
<b>Charging</b>	Apple 7.5W, Samsung 10W, Standard 5W Qi wireless charging		
<b>Material Compatibility</b>	Laminam		
<b>Devices Compatibility</b>	All Qi wireless charging enabled devices		
<b>Unit Size / Weight</b>	18.2cm (L) x 11.2 cm (W) x 2.0 cm(H) / 208g (charger unit) 7.165" (L) x 4.4" (W) x 0.787" (H) / 7.34 oz (charger unit)		
<b>Effective charging distance</b>	8mm - 12mm (0.31" - 0.47")		
<b>Accessories Included</b>	Multi design charging position sticker, calibration templates, power adapter 12V/3A/5A, cable management clips, screws, double sided tape (pre-fixed)		
<b>Fixing Method</b>	Preinstalled 3M VHB double sided tape or screws (provided)		
<b>Certifications</b>	Charger: FCC, IC, CE, KC, RoHs	Adapter : CE, UL, RoHs, JP, GS, KC	

(See [www.kewlabstech.com/uts-1install](http://www.kewlabstech.com/uts-1install) for full product and adapter specs)



# Laminam 12mm - Kitchen Installation Example



1. Cut hole in island carcass - ensure the opening is big enough to be able to remove charger if needed



2. Ensure power is available to charger either in the island or cupboard.



3. Mount charger using tape provided and plug in



4. Calibrate or measure to center coil position to place charging indicator sticker



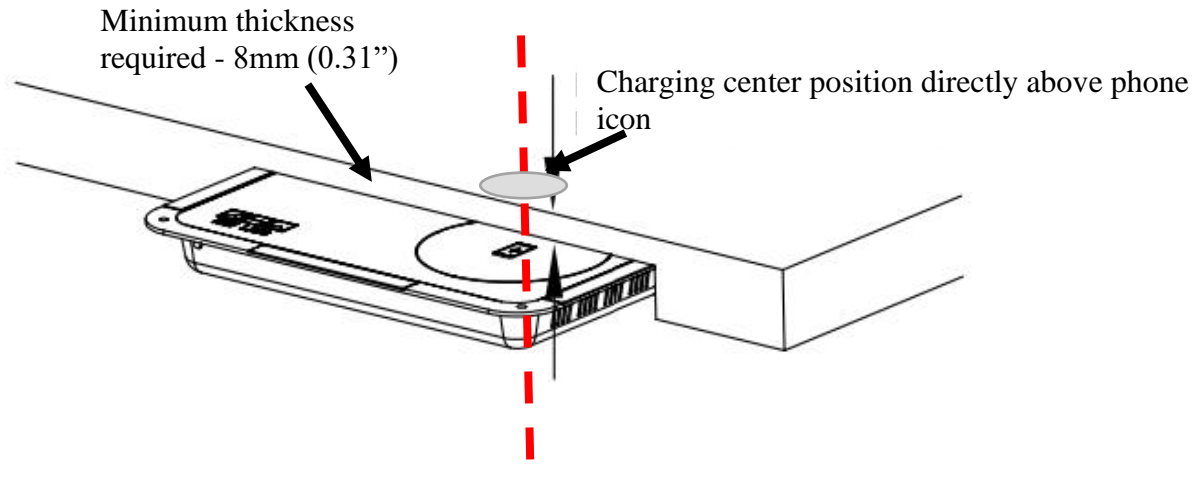
5. Set charger switch position according to thickness (H setting for 12mm)



6. Place center of phone on center of sticker

# Design Tips and Guidelines

**Aligning the charging position – Use phone indicator on charger as center charging position.**



## Design Tips

- **Ventilation Allowances** - Wireless charging naturally produces a small amount of heat in both phone and charger. Do not direct cover UTS-1 vent and leave at least 5cm (2") clearance.
- **Heat Proximity** - UTS-1 should not be located within 20cm (8") of a heat source such as hobs.
- **Cut-outs proximity** – UTS-1 charger and milling must not be located within 15mm (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 30c (86f).

## 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:**

[www.kewlabstech.com/uts-1install](http://www.kewlabstech.com/uts-1install)

**For project, purchasing and installation enquiries:**

Please email [info@kewlabstech.com](mailto:info@kewlabstech.com)

**Dealer portal registration:**

[www.kewlabstech.com/register](http://www.kewlabstech.com/register)

**For product support and aftercare:**

Please email [support@kewlabstech.com](mailto:support@kewlabstech.com)

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## DISCLAIMERS:

- The equipment UTS-1 Invisible Wireless Charger is developed and manufactured by and any liabilities and warranties related to the equipment is on sole responsibility of the manufacturer.
- Any electrical installation should be done following local codes and regulations. Laminam shall not be held liable for any damages, losses or injuries associated with the installation and/or use of the UTS-1 Invisible Wireless Charger with LAMINAM Surfaces.
- LAMINAM® is not affiliated in any way with Kew Labs.



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