



KEW LABS



UTS-2 WIRELESS CHARGER

Information Guide, Installation, F&Qs and warranty

TRUE  **BLUE**
SURFACES

11102 Bluff Bend Dr. Austin, TX 8753

KEW LABS COMPANY PRFOILE



Based in Solon, Ohio - Kew Labs is a wireless charging division under Hana Technologies Inc., a global provider of RFID products and microelectronics manufacturing services, is part of the HANA Microelectronics Group, with a combined high-tech manufacturing space of 1,700,000+ square feet and a yearly revenue of over \$700M.

Hana Technologies Inc – www.hanaoh.com

Hana Microelectronics Group – www.hanagroup.com

TESTED AND APPROVED BY



IN TESTING



OUR SURFACE BRAND PARTNERSHIPS

WHATS BEEN TESTED?

- Routed specification strength testing - based off 0.5" (12mm) thickness
- Surface and charger temperature during charge
- Longer term charging performance and charging times
- Company profile and manufacturing background checking

WHY DO I NEED A WIRELESS CHARGER IN A COUNTERTOP

1. Adds modern, functional design touches.
2. Charge phones, AirPods and more devices in the future
3. Reduces wires, plugs and surface clutter hanging around
4. Frees up wall plugs for appliances
5. Reduces safety hazards with wires and water
6. Always having somewhere to charge – (people can't steal your chargers!)
7. Stay constantly topping up whilst doing kitchen work
8. Reduces cable port damage from constant plugging in (main failure in phones)



WHY A KEW LABS CHARGER?

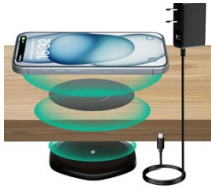
1. Fast and easy installation
2. Tested and approved with 11 surface brands and more
3. Powerful enough to charge through thicker cases
4. Patented Intelligent Power Communication™ (IPC) that improves safety and efficiency between phone and charger
5. USB-C Connection allows for multiple units connected (up to 6 per outlet)
6. UTS-2 is cost effective and affordable wireless charging solution
7. Scratch proof and small surface stickers with 7 designs
8. Upgradable software for future proofing
9. All white design blends with cabinetry



KEW LABS COMPARED TO THE COMPETITION?



Amazon invisible charger



PROS

- Cheap (No warranty)
- Installed on thicker surfaces (<5cm)

CONS

- Requires 4" black/white solid surface sticker to work and absorb heat
- Untested for certain safety and temperature controls
- OEM labelled chargers

Kew Labs



PROS

- Does not require solid stickers
- Tested and approved by brands
- Full in-house design & production
- Well priced and easier preparation.
- Does not require very thin surface to install
- Connect multiple units together
- Warranty

CONS

- Only charges 1 product at a time
- Still requires accurate alignment

Free Power



PROS

- Does not require stickers
- Allows for multiple phones charging at once
- Larger charging area
- Warranty

CONS

- VERY expensive (routing + product)
- VERY thin surface routing (5mm)
- Light works through limited surface colors
- Fan noise

WHAT CAN I CHARGE?

ANYTHING WITH QI WIRELESS CHARGING



All iPhones since 2017

Most Samsung Galaxy range since 2012

Google Pixels since 3A



AirPods Pro, Jabra Elite, Sony XM05s and others



Sonos Roam, Kindle Signature

CANNOT CHARGE



iPads & Apple Watch

iPads do not have Wireless charging
Apple Watches uses a different technology

UTS-2 INSTALLATION IS QUICK AND SIMPLE

1. Ensure correct surface thickness and countertop access



2. Power outlet access nearby



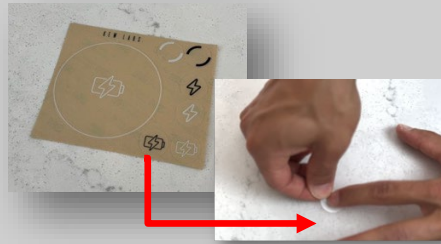
3. Peel, stick, mount and connect wiring



4. LED Alignment tool setup



5. Sticker placement
(7 design options)



6. Test charging



CONNECTING MULTIPLE UTS-2 TOGETHER

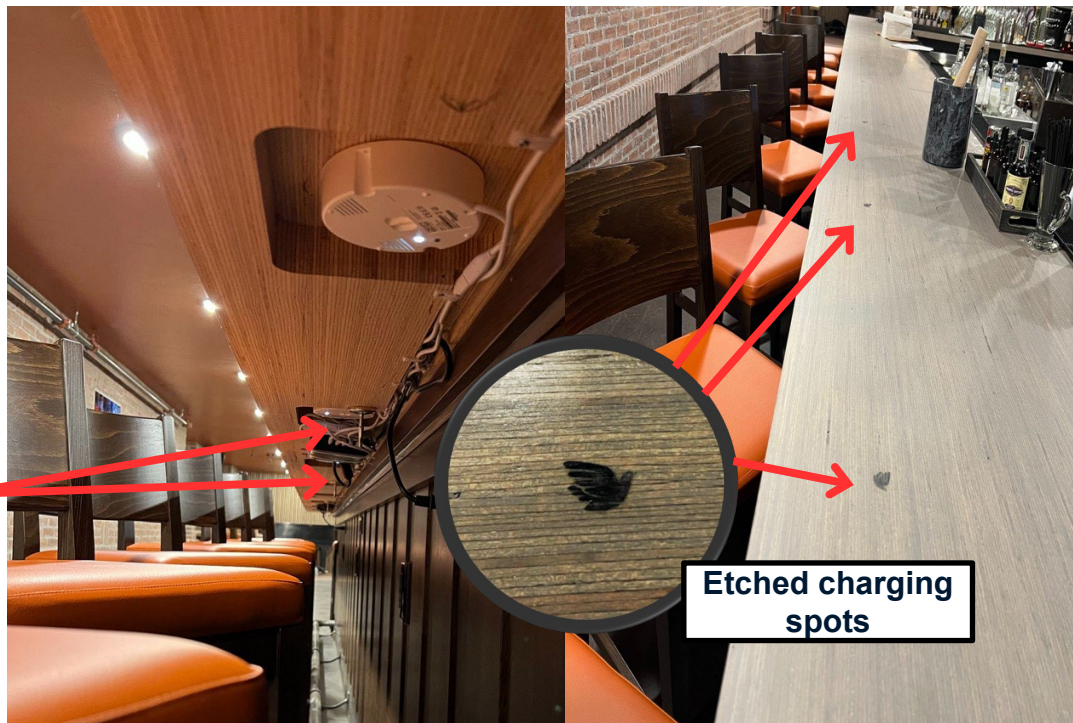
USE UP TO A 15FT USB-C CABLE



CONNECT 2



CONNECT 6



COMMERCIAL ETCHING EXAMPLES



DEMONSTRATION CHECKLIST



WATCH VIDEO: <https://youtu.be/eTmhEMzQ6cY>

No Card Holders or Pop-sockets / Metal Plates

Check the back of phones for bulky accessories like card wallets and metal plated materials.

Coil and Phone Alignment

The charging coil is in the middle of the phone. Customers need to align the middle of their phone with the charging indicator.

Patience After Placement

When customers place their phone down it may take 2 seconds or so for the phone to connect so don't be in a hurry to move it if it doesn't immediately connect

Reconnection After Removal

When the phone is removed from the charger, the phone needs a few seconds to disconnect until it can be reconnected.

FAQS

What materials does it not work with?

Wireless charging doesn't work through Metallic surfaces

What if the technology changes?

Qi is a universal standard that is backward compatible. We do not see any necessary software upgrades needed in the 5 or so years but UTS-2 can be updated in case of any significant change, which would only apply to latest generation phones.

Do different materials or densities make a difference?

Generally nothing noticeable in speeds. Stones dissipate heat better than wood.

Where should I NOT install UTS-2?

Out of direct sun light is recommended as phone temperatures can affect charging speeds.

How long will it last?

It carries a 1-year warranty from the date of install but we expect UTS-2 to last at least 5 years and more as it's well protected after installation.

How fast does it charge?

We use the Apple 7.5W and Samsung 9W fast charge protocols

iPhones in particular charge quicker between 0-80% and slower between 80-100%.

For reference examples an iPhone 12 with a case is around 3:30-3:45hr for 0-100%.

Charging between 0-80% would be around 2:45hrs

iPhone Pro and Max models can take longer due to bigger batteries and camera modules

How many devices can it charge at once?

1 charger charges 1 device at a time.

What if I have an installation or product issue?

Kew Labs has an online Help Center with searchable help and video guidance for all common issues.

WARRANTY POLICY

Kew Labs warrants to the purchaser that your product shall be free from defects in material and workmanship for the length of time, identified on your product package and/or at www.kewlabstech.com under the warranty specification for your product, from the date of purchase. This warranty is non-transferable and is limited to original purchaser and the country it was purchased in.

This warranty does not cover problems or damage resulting from (1) accident, abuse, misapplication, or any unauthorized repair, modification or disassembly; (2) improper operation or maintenance, usage not in accordance with product instructions or connection to improper voltage supply; (3) use of non Kew Labs consumables, such as replacement batteries, (4) lost parts that were originally supplied by Kew Labs; (5) normal wear and tear.

This limited warranty does not, under any circumstances, cover the replacement of or reimbursement for any electronic device or personal property that is not a Kew Labs product.



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