

## User manual

User manual and installation manual for original equipment manufacturers.

### Applicable for

A	: Base ZENS PuK
B	: Top plate white
C	: Top plate black
D	: Top plate neutral
E	: Top plate painted
F	: EU power plug
G	: UK power plug
H	: US power plug
I	: Cable set (2 screws + 10 clips)
J	: Original ZENS Wireless Charging Sticker



### In the packaging

- ZENS PuK Wireless Furniture Charger
- ZENS Power Adapter
- User Manual
- Cable Holders

### ZENS Wireless Charging

The ZENS PuK from ZENS is smart. The system will recognize when it needs to transmit power to your device. A small "tone" will indicate that your phone or tablet is in the right position. A small "buzz" is the signal that the ZENS PuK is charging. Please use the ZENS PuK only when you need to charge your device. If the mobile device is not correctly placed on the ZENS PuK, a constant "tone" will be heard. Please remove the mobile device and place it again correctly on the charger.

### Important safety notices

- Keep the ZENS PuK and receiver away from water.
- Do not place or store the ZENS PuK and receiver near water or any other liquid.
- After cleaning, make sure the ZENS PuK is completely dry before you connect it to an electrical socket.

### Warning notifications

- Check if the voltage indicated on the AC adaptor corresponds to the local voltage before you connect the adaptor to an electrical socket.
- Never use the AC adaptor, ZENS PuK or receiver if any of them is damaged in any way.
- Only use the official AC adaptor (supplied together with the ZENS PuK).
- Do not stick any metallic labels or any objects to the bottom of the receiver or onto the ZENS PuK.
- Do not use the ZENS PuK outdoors or near heated surfaces.
- If you have a pacemaker or other implanted device, consult your doctor or the manufacturer of the implanted device before using the ZENS PuK.
- Do not use with an extension cord or overload electrical outlets.
- Supervision is needed when used by or near children, disabled persons or those with mental disabilities.

### Maintenance

- The ZENS PuK has no need for maintenance.

## Return policy / ZENS warranty

All ZENS products are designed and manufactured to meet the highest standards and deliver high-quality performance. In case you encounter any difficulties when using your product, we recommend that you take contact with our support team at [support@makezens.com](mailto:support@makezens.com). In the unlikely event of failure during the warranty period ZENS will arrange for your product to be serviced.

The warranty begins on the date of purchase and expires after 12 months or different due to specific conditions. The warranty period is considered to have started three months after the date of manufacturing indicated on the product or as derived from the serial number of the product. If any defect due to faulty materials and/or workmanship occurs within the warranty period, ZENS will make arrangements for service. Where a repair is not possible or is deemed uneconomical ZENS may agree to replace the product. Replacement will be offered at ZENS discretion and the warranty will continue from the date of original purchase. The ZENS warranty applies provided the product has been handled properly for its intended use and in accordance with the operating instructions. The warranty does not cover for the losses consequent in nature, including but not limited to loss of data or loss of business. The ZENS Warranty does not apply if:

- The purchase documents have been altered in any way or made illegible.
- The model- and/or serial number on the product has been altered, removed or made illegible.
- Repairs or product modifications and alterations have been carried out by unauthorized service organizations or persons.
- The product is being used for commercial purpose.
- The defect is caused by abuse or misuse of the product or by environmental conditions that are not in conformance with the recommended operations of the product.
- The unit has been damaged - including but not limited to damage by pets, lightning, abnormal voltage, water or fire, natural disaster or transport accident.
- The product is defective due to wear of parts, which can be considered as consumable parts by their nature.
- The product does not function properly because it was not originally designed, manufactured, approved and/or authorized for the country where you use the product, which might occur in instances where the product has been purchased in another country other than that of its intended use.

This warranty is only valid in the country where the product is purchased and is not transferable and does not extend to users other than the original purchaser. This warranty gives you specific legal rights. As this might vary from country to country some of above might not apply to you.

### Service needed

In order to avoid unnecessary inconvenience, we advise you to read the user manual or consult the support section on our website [furnite.makezens.com](http://furnite.makezens.com) before contacting ZENS. If service is required do not return the product without first contacting ZENS.

To get this product repaired or replaced, you must contact ZENS during the warranty period by email ([support@makezens.com](mailto:support@makezens.com)). You must include the following details: email address, name, address, telephone number, date and place of purchase, detailed description of the problem. If the problem appears to be based on a defect in workmanship or materials, ZENS will provide a return form and instructions which authorizes to return the product. Return shipments are at customer's expense, and the return must be accompanied by the original proof of purchase. ZENS is not responsible for lost or damaged product during shipment. Any product returned without the original proof of purchase will be returned at the customer's expense. All returns must include the original packaging and included all items like product, power adapters and user manual. After examination of the problem, the product will be repaired or replaced and sent back to the address indicated on the return form.

## Electrical Specification

### AC/DC Adapter

Input voltage:	100-240 VAC
Output voltage:	12V $\pm 5\%$
Input frequency:	50 / 60 Hz
Efficiency level:	Energy Star Level V
Safety Standard:	UL60950; EN60950
Standby Power:	< 0.3W
Cable length:	1500 $\pm$ 50 mm

### Transmitter Unit

Input voltage:	12VDC $\pm 5\%$
Rated input current:	1A (adapter)
Charging unit:	Maximum 5W devices WPC compliance device

### Switching frequency:

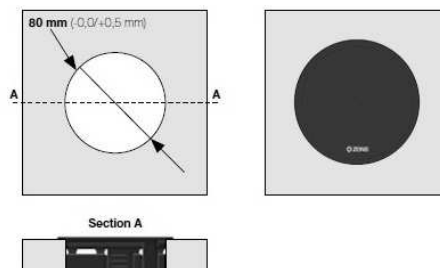
109 $\pm$ 4kHz

### Operating Temperature:

0 to 30°C

### Storage Temperature:

-20 to +70°C



## Installation: Build-on

### Visible mode, top down version in a standard 80 mm hole

#### Step 1: Install the charger

- Place/Click the cover plate onto the ZENS wireless charger.
- Peel off the double-sided-tape (yellow) on the inside of cover plate.
- Put charger into the standard 80mm (-0,0/+0,5 mm) hole.
- Use the 2 screws to fix the ZENS wireless charger.
- Use the cable holders to guide the charging cable under the table.

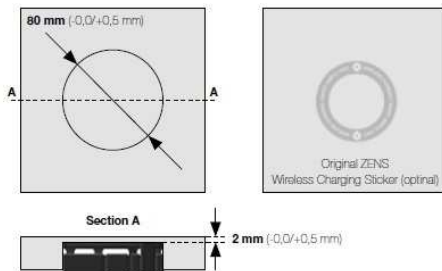
Step 2: Connect the wireless charging pad to the AC-DC adapter. An alert sound shall be initiated when DC applies to the charger.

Step 3: Place the Qi receiving device (WPC certified) onto the charging area. Device should be roughly at the centre of charger and certain degree of positioning offset could be tolerated.

Step 4: Charger shall alert when the device is detected and follow by a lower beep, the charging will start.

## Important

Check the charging surface and keep away other objects. If there is metal object, a repetitive beep will continuously alert. However, not all kind and any size of metal objects can be detected. User shall pay attention to clear up the surface before charging. If there is any error occurred, 4 rapid beeps shall be initiated. Charging will be stopped immediately. To restart charging function, remove the receiving device and put it back on the charger.



## Installation: Build-under Invisible mode, bottom-up version

### Step 1: Install the charger

- Put charger into the standard 80mm (-0,0/+0,5 mm) ducting hole and press it and make the adhesive tape fully attach to the furniture surface.
- Use the 2 screws to fix the ZENS wireless charger.
- Use the cable holders to guide the charging cable under the table.

Step 2: Connect the wireless charging pad to the AC-DC adapter. An alert sound shall be initiated when DC applies to the charger.

Step 3: Place the Qi receiving device (WPC certified) onto the charging area. Device should be roughly at the centre of charger and certain degree of positioning offset could be tolerated.

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### FOD - Foreign Object Detection

FOD is included in the ZENS PuK, using ZENS proprietary FOD implementation for detection of potentially hazardous, or parasitic metal.

### Environmental specification

Compliant to RoHS (European Directives 2000) / WEEE.

**FCC ID : 2AGPD-ZETC03**

### Declaration

CE for EU  
Standard

ETSI EN300330-2 V1.5.1 (2010-02)

Directive (1999/5/EC)-R&TTE

ETSI EN301489-3 V1.6.1 (2013-08)

ETSI EN301489-1 V1.9.2 (2011-09)

FCC for US, FCC ID: 2AGPD-ZETC03

Standard FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.**

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.