



GUANGDONG LDNIO ELECTRONIC TECHNOLOGY CO., LTD

SPECIFICATION

Customer	GoCharge
Customer P/N	TBD
Product	Phone Sterilizer with Wireless Charging
LDNIO Model	UVS11, UVS10
Product description	Phone Sterilizer / Input 5V2A/ Output USB-A 5V2A /Wireless Charging TX 5W
Revision	REV1.5
Issue Date	2020/06/12

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"SPECIFICATION FOR APPROVAL" WITH YOUR SIGNATURE

SIGNATURE			
LDNIO / R&D	LDNIO / EE	LDNIO / Approval	Customer Approval

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Web: www.LDNIO.com

Document Title : Phone Sterilizer	 GUANG DONG LDNIO ELECTRONIC CO., LTD	Model: UVS11
Company Confidential : <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Date: 2020/06/12
		Revision: V1.0 Page 1 of 11

REVISION	REASON FOR CHANGE	DATE
V1.0	Initial	2020/03/16
V1.1	Tx 10w Charge Tx 5W, Remove the aromatherapy	2020/03/18
V1.2	Revision ID Size	2020/04/13
V1.3	Add 3-9 FCC Statement and lable	2020/05/29
V1.4	Add 3-11 Mechanical drawing and 3-12 Function description	2020/06/02
V1.5	Revision Product Name	2020/06/12

R&D	PM	Eng	QA	Sales
Louis	Steven	Yang	Chen	Danny

Sample Picture



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Phone Sterilizer

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1. Scope

This document contains general Customer requirements, qualification, requirement and those specific electrical and mechanical requirements for this part.

2. Product Features.

1. The units with a Sanitizing Box with Wireless Charger,
2. With big ultraviolet lamp on two sides, 360°C Sterilization.
3. With an input Micro-USB and provide DC power by USB Type A ,Sterilization while charging the mobile phone.
4. With big capacity, suitable for most 7 inch mobile Phone/Pad/Watch and jewelry.
5. With smart dimension and 5V low voltage.Portable and safe.
6. With wireless charging function for Tx5w, workable for iPhone and other Android mobile Phones.

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3. Product

Item	Specification
3-1 DC Input characteristics	
3-1-1 Input requirement	Voltage: 5V/2A, max
3-1-2 Input over voltage protection function	N/A
3-1-3 Input connector	MicroUSB
3-2 Wireless Charging Characteristics	
3-2-1 Standards to be followed:	WPC Qi v1.2.4
3-2-2 Coil type	1-coil (A11)
3-2-3 Peak efficiency:	71.5% @ CP 5W Tx output
3-2-4 Stand-by power:	< 1000 mW (Sanitizing Box included)
3-2-5 Wireless Output	5W,Max (5V/1A)
3-3 USB DC output characteristics	
3-3-1 Output requirement	Voltage: 5V level (4.95~5.5V) / 2A
3-3-2 Output Power	10W continuous
3-3-3 Output Ripple	100mV for all voltage
3-3-4 Output over current protection points	<3.5A The should enter hiccup mode (auto-recover).
3-3-5 Output over current protection detection time	need longer than 5mS
3-3-6 Output short circuit protection function	Yes, no damaged. The battery bank should enter hiccup mode (auto-recover).
3-3-7 Output Reverse Current	The stable reverse current should be under 5mA
3-3-8 Support Charging and Sanitizing at the same time	YES
3-3-9 Output connector	USB type A

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3-4 UVcold ultra-violet lamp Specification

3-4-1 Power (Sterilize):	2x1.5W
3-4-2 UV lamp size	ϕ 4*8mm/120mm/280Vac/5mA/1.5W/(>1500 μ W/CM ²)/10000H

3-5 Other characteristics

3-5-1 Sterilization button key	<p>Press the “Sterilization” button to switch between 2 modes of sanitization.</p> <p>1. 15mins Fast mode.</p> <p>Press the “Sterilization” button once, the button will ON in red color, indicating fast mode is ON.</p> <p>2. 30mins Standard mode.</p> <p>Press the “Sterilization” button twice, the button will ON in blue color, indicating standard mode is ON.</p> <p>3. The indicator light will ON in green color when Sanitizing procoess is completed.</p>
3-5-2 Key	<p>The UV light will be OFF, indicating sanitizing process is paused when the lid is open. The process will be resumed when the lid is closed.</p>

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3-6 Environmental

3-6-1 Operation temperature	0℃ to 40℃
3-6-2 Operation humidity	10%~95% RH
3-6-3 Storage temperature	-20℃ to +70℃
3-6-4 Storage humidity	5%~ 95%RH

3-7 Mechanical Characteristics

3-7-1 Dimensions of Unit	L:237.5*W:126.8*H:35.3mm
3-7-2 Dimensions of Inner Cavity	L:185*W:102.5*H:18mm
3-7-3 Housing	UL 94V-0 rated plastic
3-7-4 Weigh	310g±10g

3-8 Agency Approvals

ROHS	ROHS Directive 2011/65/EU+ 2015/863(EU)
CE-EMC	EN 55014-1: 2017 EN 55011: 2016+A1: 2017 EN 61000-3-2: 2014 EN 61000-3-3: 2013 EN 55014-2: 2015 EN 55035: 2017
FCC	FCC Rules Part 15C FCC Part 15 Subpart B Class B: 2016 ANSI C63.4:2014

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FCC Statement

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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications 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.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

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PHONE STERILIZER

MODEL : UVS11 INPUT : 5V \Rightarrow 2A

USB OUTPUT : 5V \Rightarrow 2A 10W

ULTRAVIOLET POWER : 2 x 1.5W

WIRELESS POWER : 5W



FCC ID: 2AWJ3-UVS11

Made in China



Caution: For indoor and smart equipment use only.

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FAST CHARGER EXPERT

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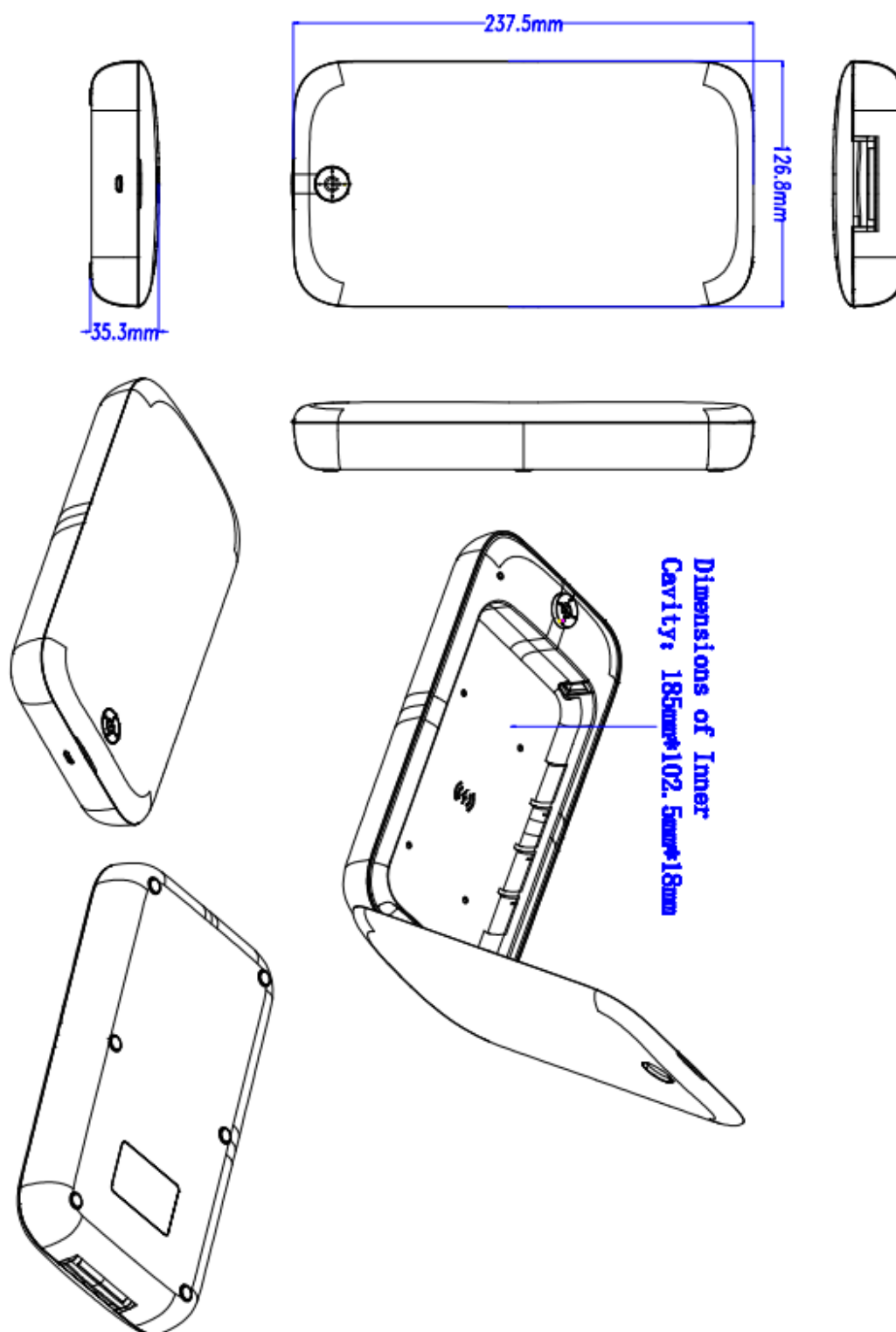
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3-11 Mechanical drawing



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3-12 Function description diagram



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