



SPECIFICATION OF APPROVAL

Customer : _____

Product Model : **HJ258A**Description : **Multifunction wireless charging & USB Charing product**Sample Date: **2018-06-21**

APPROVAL

Checked & Approved by	Prepare By	QC	Date

CUSTOMER APPROVAL

Engineering	Quality Assurance	Other

Note:

- Kindly please sign on the above and send it back to us if the sample is approve
- Kindly please contact us as soon as possible if the sample isn't approved. Thanks!

Result: Accept Reject Other

History of revisions

Edition	Date	Detail	By
V1.0	2018-08-21	Initial release	Barry Song

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目 录

一、 Product & Accessory.....
1. 1 Brief Introduction.....
1. 2 Accessory List.....
二、 Electrical Specification.....
三、 Function & Port function description.....
3. 1 Outlook & Port function description.....
四、 Working Environment.....
4. 1 Temperature & Moisture.....



一、 Product & Accessory

Brief introduction

- HJ258A is one multifunction product combined wireless charging with USB charging. It can offer wireless charging function for all devices with Qi receiver in different 5W/7.5W/10W charging power. 3 coils fixed Frequency 10W(Max) wireless charging and USB-A output 5V/2.1A, it automatically give priority to Qi wireless charging. It will jump to USB charging when Qi devices are fully charged. USB-A can charge iPhone 8/8Plus/X and Samsung S8/S9 etc.

Product accessory list

- HJ258A:1Pc
- User Manual:1Pc
- Product Size: 143mm*74mm*23mm

二、 Electrical Specification

Qi Output characteristic

- 2.2.1 Load Rated Output Voltage: Vdc4.75-5.4V@8.55-9.45V
- 2.2.2 Load Rated Output Current: 1100mA
- 2.2.3 5V Rated Output working efficiency: 68%
- 2.2.4 9V Rated Output working efficiency: 72%
- 2.2.5 Cell phone touch surface temperature: 40°C
- 2.2.6 Working Frequency: 110-205KHz
- 2.2.7 The surface of Plastic shell: cell phone will stop charging when temperature is over $45°C \pm 5°C$;
- 2.3.8 Dynamic power adjustment: Vdc 4.7V
- 2.3.9 Over-temperature protection: inner temperature is up to 60°C

USB Output characteristic

- 2.2.1 Load Rated Output Voltage: Vdc4.75-5.4V
- 2.2.2 Load Rated Output Current: 2100mA
- 2.2.3 Rated Output working efficiency: 88%
- 2.2.5 Cell phone touch surface temperature: 40°C
- 2.2.6 Working Frequency: 110-205MHz
- 2.2.7 The surface of Plastic shell: cell phone will stop charging when temperature is over $45°C \pm 5°C$;
- 2.3.8 Dynamic power adjustment: Vdc 4.7V
- 2.3.9 Over-temperature protection: inner temperature is up to 60°C

三、Function & Port description

3.1 Outlook & port function description

As below photo, HJ258A outlook & port diagram

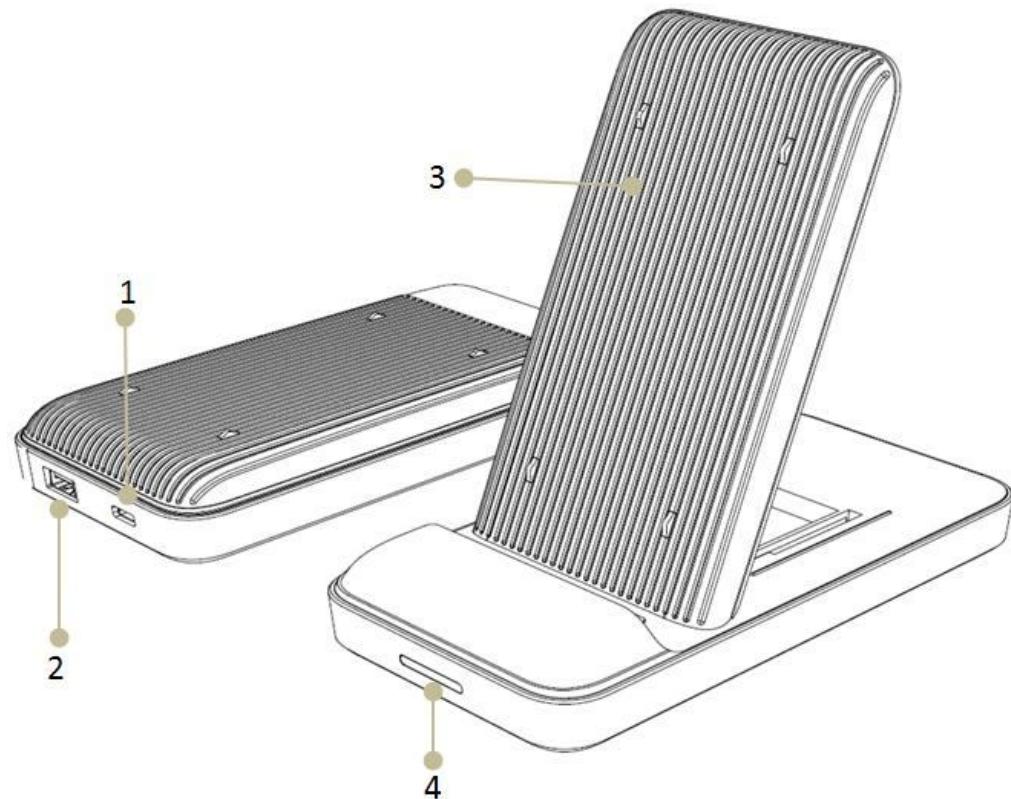


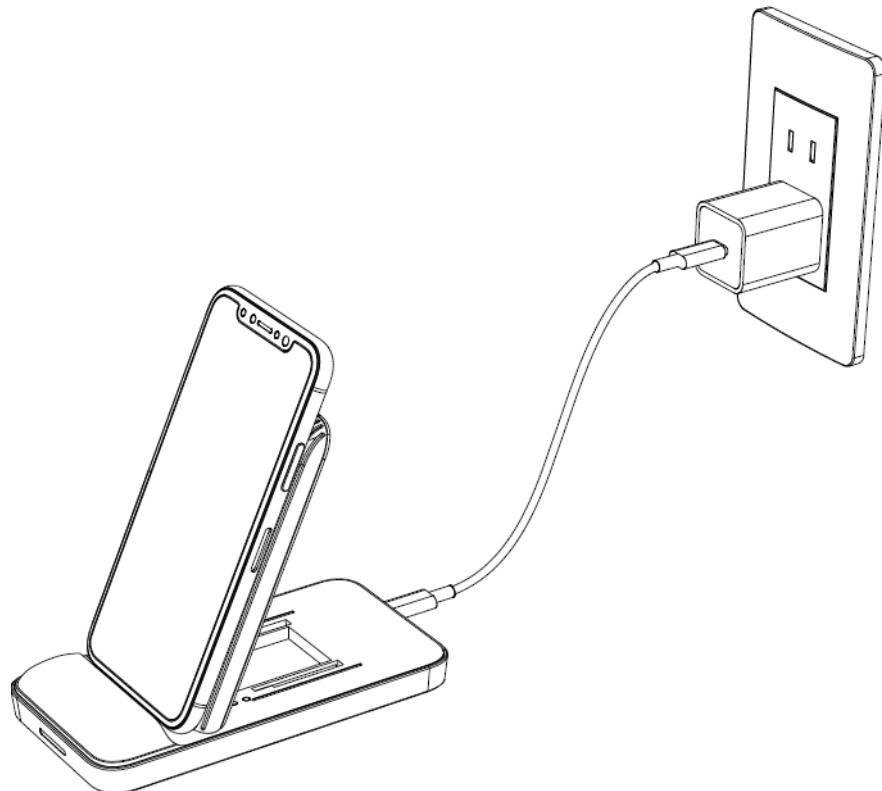
Diagram 1

Outlook & Port function description

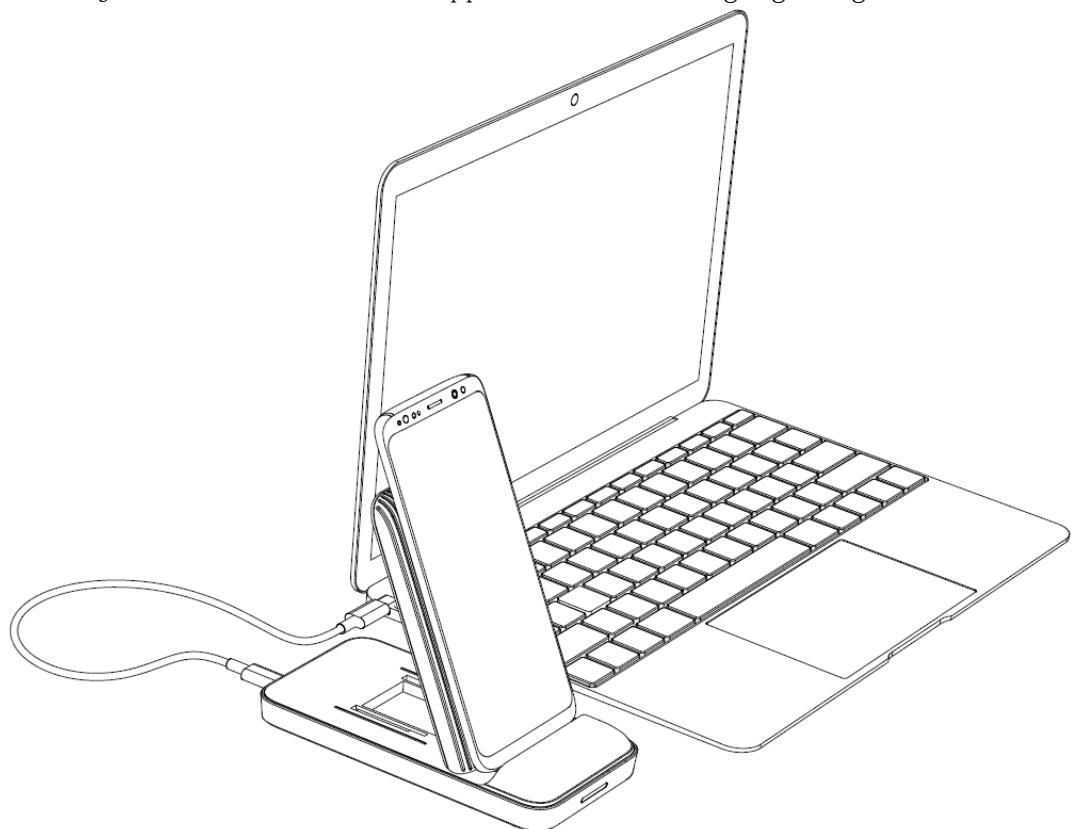
Serial number	Serial number illustration	Function description
A	1	Support input Type C 2.0/3.0, 5V&3A/15W. Support input QC2.0/QC3.0 5V/9V&2A 18W
B	2	USB output 5V/2.1A
C	3	Fixed Frequency 5W/7.5W/10W For Samsung/apple
D	4	Qi working indicator

4.3 Product connection illustration

Drop iPhone X on HJ258A Charging diagram 1

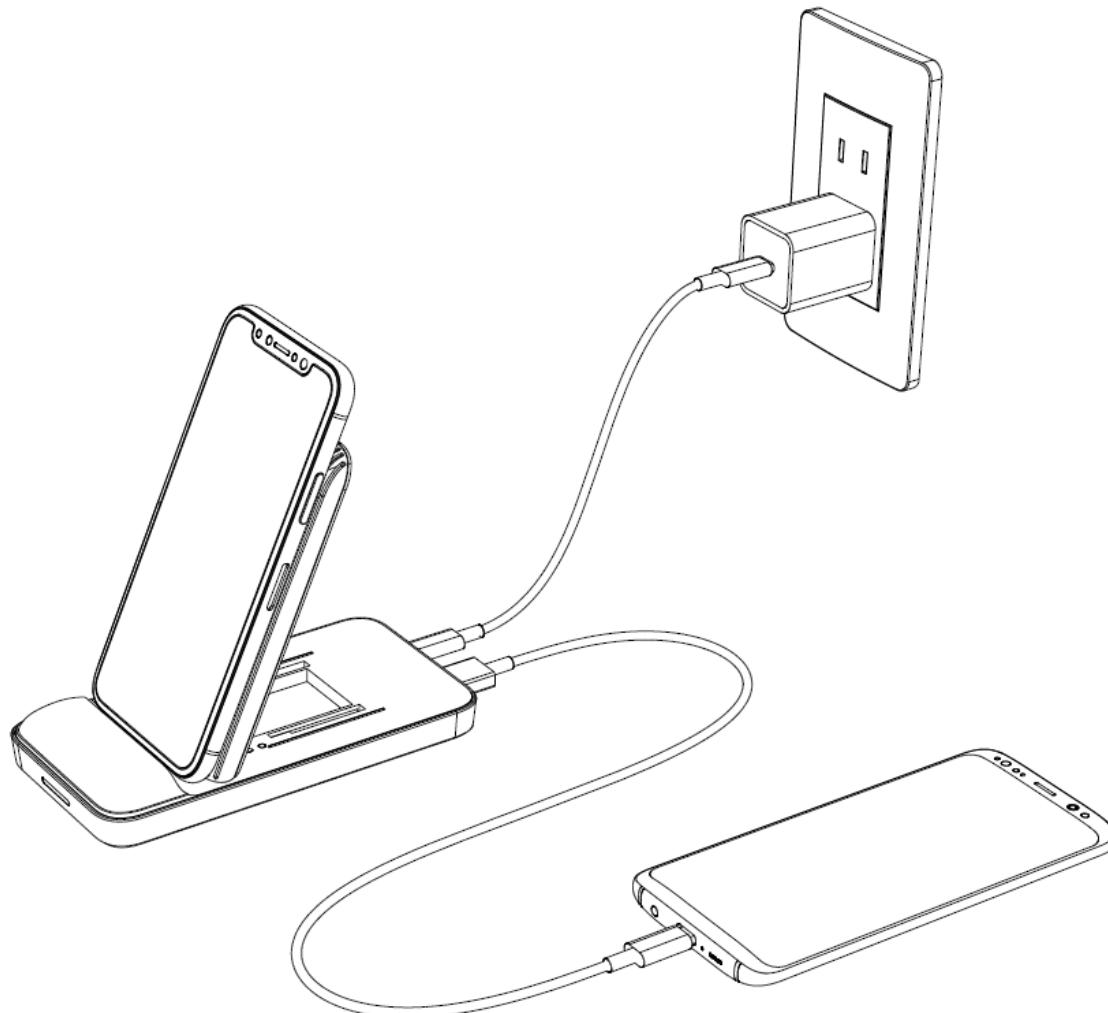


Drop iPhone X on HJ258A connected with Apple Macbook Charging diagram 2



There will be just 5W wireless charging for cell phone when power supply is from Apple MacBook

HJ258A Full working Mode diagram 3



Qi wireless charging will be started first and USB can't output device when dropping cell phone on HJ258A and USB connected with device

五、 Working Environment

5.1 Temperature & Moisture:

Project	Working Environment	Storage Environment:	Remark
Temperature:	0°C-40°C	-20°C-55°C	
Moisture:	0% -90% (without dew)	20% -95% (without dew)	
Atmospheric Pressure:	80-106KPa	80-106KPa	

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

Warning: 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.