

# Kabis Wireless Charger

[ for Santafe DM (The Prime) ]

< KWA-01 >

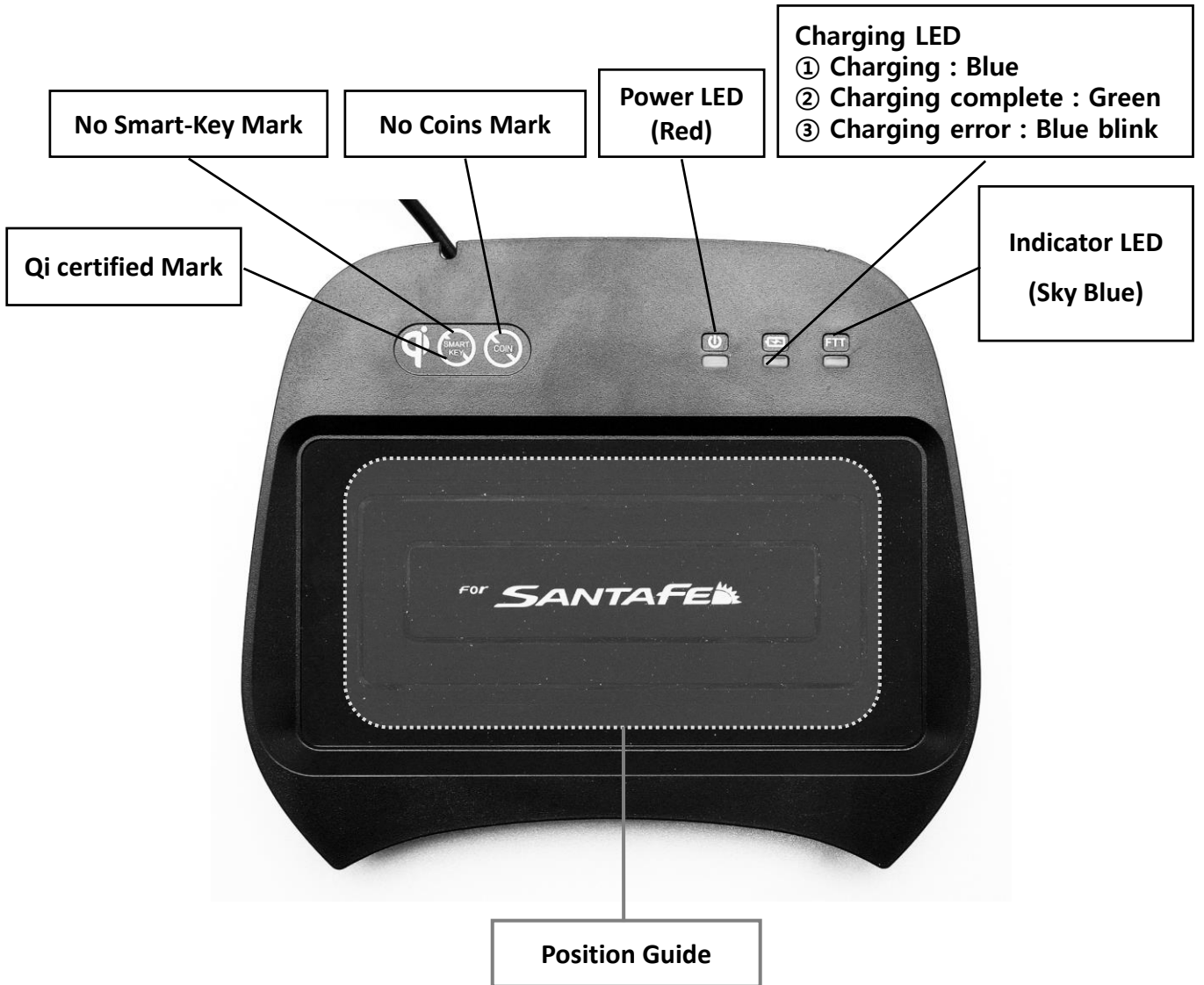
( Wireless Electronic Device )



**Kabis**<sup>®</sup>

- This product is designed for Hyundai Automobile Santafe DM (The Prime) only.
- Qi certified by WPC to support wireless charging on all Qi-enabled devices.
- Read these simple guidelines carefully. Not following them may be dangerous or illegal.

## Keys and parts



### ※ Mark Details



- Qi Certified Mark : This product is Qi certified by WPC (Wireless Power Consortium)
- No Smart-Key Mark : Do not put Smart-Key on the Charging Area, it may cause any damages.
- No Coins Mark : Do not put any coins on the Charging Area, it may cause any damages.

## User Guide

1. Place this product in the bottom compartment of the air conditioner as shown below and connect it to the vehicle power (DC12V).
2. When the Wireless Charging Pad is connected to the electronic socket, Power LED (Red) flashes, and Charging LED (Blue and Green) & Indicator LED (Sky Blue) flashes turning On and Off.
3. Place your smartphone on the center of Wireless Charging Pad. Charging a smartphone with the Wireless Charging Pad in an area with a weak signal may cause a significant drop in reception. When the smartphone is being charged, Charging LED (Blue) flashes on. If Charging LED keeps flicking or not charged with enough reception, refer to Precaution section in the user guide.
4. When the smartphone is fully charged, Charging LED (Green) flashes on. If your smartphone doesn't support Wireless Charging completion function, it may cause no flash Charging LED (Green)

## Information of Indicator LED

1. This Product is designed with Wireless Charging Guide solution FTT (Frequency Tracking Technology)', which is World 1<sup>st</sup> Technology patented License.
2. When Charging a smartphone with the Wireless Charging Pad in an area with a weak signal may cause heating issue, then it may operate lower current reception (Longer charging time) and stop charging your phone.
3. If the Smartphone positioned in a weak signal or other caused effects on charging efficiency, Indicator LED will flash Sky Blue. Then it requires re-position the smartphone in a proper area.
4. This function guides appropriate Wireless Charging area in order to save energy technology (ECO), it is also considerate user beneficial interface and Smartphone safety.
5. The indicator LED (Sky Blue) may have different performance relied on Smartphone models. (Due to the Area of Smartphone Wireless Charging Antenna and effectiveness of Charging current)
6. The function of indicator LED (Sky Blue) will not cause any damages or effects on Wireless Charging operation.

Wireless Charging LED Operation (Wireless Charging Guide Solution)	
Positioned a proper Wireless Charging Area	Positioned a weak Wireless Charging Area
	

## Precaution

1. This product supports Wireless Fast Charging solution.
2. The Wireless Fast Charging feature is compatible with below model list. (New models will come up additionally based on Phone Manufacturers)
  - ☆Wireless Fast Charging feature models
    - ➔ Galaxy Note5, Galaxy S6 Edge Plus, Galaxy S7, Galaxy S7 Edge, Galaxy S8
3. Do not put any foreign objects on the Wireless Charging Pad such as Coins, Smart-Key or Magnetic Card...Etc., when it is being charged. It may cause any damages on your product.
4. In case of your Smartphone temperature is high when it is being charged, the Smartphone operates self disconnection function to stop charging. Refer to Smart Phone Manual for more details.
5. Wireless Fast Charging feature may cause higher temperature than normal Wireless Charging feature.
6. The function of indicator LED (Sky Blue) will not cause any damages or effects on Wireless Charging operation.
7. The indicator LED (Sky Blue) may have different performance relied on Smartphone models. (Due to the Area of Smartphone Wireless Charging Antenna and effectiveness of charging current)
8. Using thick smartphone case together with Smartphone may cause not operate Wireless Charging function and also affect to the feature of indicator LED (Sky Blue).
9. Using bigger smartphone than Position guide area may not operate Wireless Charging function.
10. Do not put Smart-Key on the Position guide area. It may show your cluster alarmed "no Smart-Key" signal.
11. Put any devices which may cause magnetic field damages or effects away.
12. Use the product for intended purposes only. Improper use, or use of incompatible chargers may present a risk of fire, explosion, or other hazard. Never use a damaged charger.

## NOTICE\_1 : Smart Phone Self-Safety Mode Information

1. 'S' Company Model – Smart Phone Self-Safety Mode by Temperature (updated. 2017)

→ Below Specification is depended on Smart Phone manufacture' Internal Policy

No.	Smart Phone Temperature	Wireless Charging Status
1	Above 45.0°C	Stop Wireless Charging
2	Above 41°C	By 80% level of Battery

2. Smart phone itself maybe activated Self-safety function by containing High Temperature Environment or in high – level of Summer season

3. By Volume or Size or internal case structure of Smart phone, the internal temperature would be depended in case by case.

4. With covering Thicker Smart Phone case uses Wireless Charging may occur above phenomenon

→ Wireless Charging Efficiency and Charging distance are related and losing charging efficiency causes Heating issues.

## Specification

Categories	Specification	Remark
Product Name	Kabis Wireless Charger (KWA-01)	ONLY Santafe DM
License No.	MSIP-RMM-Kab-KWA-01	-
Certified By	WPC 1.2	Support FOD (Foreign Object Damage) feature
Operating Frequency	137 ~ 183kHz	WPC Operating Area
Input	DC12V (max) / 1.25A	-
Operating Temperature	-20°C ~ +60°C	Support Thermistor feature
Certification	Certified by WPC Qi Certified by KC (with KN41)	Wireless Charging Certified (Qi)/ KC Certified / KN41 Certified

## Service & Support Contact

Manufacturer / Seller	BOO YOUNG (www.kabis.co.kr)
Made In	Korea
Address	665 Haksan-Ri, Gasan-Myeon, Chilgok-Gun, Gyeongsangbuk-Do, South Korea
A/ S	T. 054-972-5500 / F. 054-972-7034

## NOTICE\_2

### **FCC Warning Statement**

FCC Part 15.19

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.

FCC Part 15.21

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

### **FCC Radiation Exposure Statement**

This equipment complies with FCC Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 10cm between the radiator and your body.