DIRECTED
Technologies

Wireless Smartphone Charge Pocket

USER MANUAL

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SAFETY WARNINGS

⚠ **For safety, please follow the instructions below. Failure to do so may increase the risk of a traffic accident, which may result in death or personal injury.**

WHILE DRIVING

Using a mobile phone while driving can be distracting and increases your chance of being involved in an accident. Looking at or touching a device while driving is particularly dangerous.

- Avoid any activities that require high levels of concentration such as adjusting device settings while driving.
- It is an offence to operate or hold a mobile phone whilst in control of a vehicle, and will incur penalties, demerit points or loss of licence.

GENERAL SAFETY NOTES

- Operating this device for long periods with the engine off may cause the vehicle battery to become flat.

WARRANTY

- This product's specifications are subject to change without notice. Exposing this product to shock may cause damage and void the warranty.
- Always be careful when consuming liquids and other substances while in the vehicle. Any spillage may cause damage to the product and void the warranty.
- If a fault occurs with this product, please contact your dealership. Do not attempt to repair as this will void the warranty.
- Disassembly by unauthorised persons will void the warranty.
- When cleaning, use a soft cleaning cloth. Avoid using alcohol or abrasive products as this may result in damage and void the warranty.

OPERATION

OVERVIEW

1	LED indicator
2	Smartphone Pocket with charging pad
3	Felt insert
4	Charge pocket lid

OPERATION

OPERATION

To use the Wireless Smartphone Charge Pocket:

- Insert the smartphone with screen facing the rear of the vehicle. (Refer to the image below.)

OPERATION

LED INDICATOR

The LED indicator represents the status of the Wireless Smartphone Charge Pocket.

LED indicator colour		Description
Blue		Charge pocket is powered on but not actively charging. • Occurs when no smartphone is inserted.
Green		Smartphone inserted in charge pocket is actively being charged.
Red		Smartphone inserted in charge pocket is fully charged.
Red (flashing)		Smartphone inserted in charge pocket is not being charged due to: • Misalignment of smartphone over charging pad. • Smartphone is not wireless charge compatible. • Smartphone overheating. • Foreign object detected in charge pocket.
Green/ Blue/Off (flashing)		Charge pocket momentarily pauses smartphone wireless charging to ensure it does not interfere with the vehicle communicating with the remote-control key.

WIRELESS CHARGING TECHNOLOGY

The wireless smartphone charge pocket utilises wireless charging technology:

- Operates on the principle of electromagnetic induction.
- Energy is transferred from the charging pad to the smartphone without the need for physical connectors.
- Wireless charging is not as fast as wired charging and there is a degree of heat generation inherent to the wireless charging process.

PHONE CHARGING SPEED

Wireless charging is generally known to be slower than wired charging and is influenced by several factors:

- Smartphone power requirements.
  - Using multiple apps (Navigation and music streaming). Puts a higher demand on the power supply and reduces the relative rate of charging.
  - Signal strength. Poor signal strength draws more current and reduces the relative rate of charging.
- Wireless charging specifications of the smartphone.
  - Android based smartphones can charge at a rate of up to 15W.
  - Apple smartphones are limited to a maximum charge rate of 7.5W.
- The wireless smartphone charge pocket supports both Apple and Android smartphones so limited charging of Apple phones to 7.5W.
  - The maximum charge rate for a MagSafe phone is 7.5W.
- Generally, the rate of charge is fastest when the battery is below 50%.
- The rate of charge may be reduced by the smartphone in line with its specific charging requirements to optimize battery life.
- Faster charging may lead to an increase in smartphone temperature. Heat generation is managed by the smartphone and wireless smartphone charge pocket.
  - This may result in a slower charge rate for the smartphone.

OPTIMISING WIRELESS CHARGING

To enhance wireless charging and minimize heat, consider the following tips:

- Remove the smartphone case:
  - A thick case can impede heat dissipation. Try charging the smartphone without its case to facilitate better airflow.
- Ensure proper placement:
  - Ensure the smartphone is correctly aligned in the charge pocket (centrally over the charging pad). Misalignment can lead to inefficient charging and increased heat generation.
- Ensure there are no metal objects in the vicinity of the charge pocket.
- Limit background apps:
  - Closing unnecessary background applications whilst charging may help reduce the overall workload on the smartphone, minimising heat generation.
- Keep the smartphone's firmware up to date to ensure compatibility with the latest wireless charging standards.

PASSIVE ENTRY PASSIVE START (PEPS) DETECTION MODULE

The wireless smartphone charge pocket features a Passive Entry Passive Start (PEPS) Detection module.

- Passive entry passive start (PEPS) is a secure wireless communication system that enables accessing the vehicle (unlocking the car and starting the engine) without use of a physical key.

What does the PEPS detection module do?

- The PEPS detection module momentarily pauses operation of the wireless smartphone charge pocket when the vehicle polls the remote-control key's transponder.

Why is the PEPS detection module required?

- To stop interference with the remote-control key whilst the wireless smartphone charge pocket is in operation.

⚠ **A 'No Key' message may appear on the vehicle's instrument cluster if the remote-control key is placed in proximity to the Wireless Smartphone Charge Pocket whilst in operation.**

To avoid reduced functionality, it is recommended the remote-control key is not positioned within 30cm of the charge pocket.