



RPX Repeater Series Vehicle Charger

HKPN4003A

User Guide



IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

This document contains important safety and operational instructions. Please read these instructions carefully and save them for future reference.

Before using the **HKPN4003A Vehicle Charger**, read all the instructions and cautionary marking on (1) the vehicle charger (2) the battery, and (3) the **RPX Repeater**. using the battery.



WARNING

WARNINGS

1. The vehicle charger should only be used in vehicles with 12 VDC – 24 VDC power system.
2. To reduce risk of injury during sudden braking or impact while driving, secure the vehicle charger and RPX Repeater in the vehicle.
3. To reduce risk of injury, charge only the rechargeable Motorola authorized batteries listed in "Table 1: RPX Series Authorized Batteries" on page 5. Other batteries may explode, causing personal injury and damage.
4. Use of accessories not recommended by Motorola may result in risk of fire, electric shock or injury.



WARNING

WARNINGS (continued)

5. The vehicle charger and RPX Repeater may become warm during operation, but not hot. If it becomes too hot to touch, unplug the power cable from the power socket immediately and discontinue its use.
6. To reduce risk of damage to the electric plug and cord, pull by the plug rather than by the cord when disconnecting the vehicle charger.
7. To reduce the risk of fire, electric shock, or injury, do not operate the charger if it has been broken or damaged in any way. Take it to a qualified Motorola sales representative.
8. Do not disassemble the vehicle charger, it is not repairable and replacement parts are not available. Disassembling it may result in risk of electric shock or fire.
9. To remove the risk of electric shock, unplug the vehicle charger device from both the repeater and the car cigarette lighter outlet before attempting any maintenance or cleaning.

OPERATIONAL SAFETY GUIDELINES

- This equipment is not suitable for outdoor use. Use only in dry locations/conditions.
- Connect equipment only to an appropriately fused and wired supply of the correct voltage (as specified on the product).
- The cigarette lighter socket outlet to which this equipment is connected to should be close by and easily accessible.
- In equipment using fuses, replacements must comply with the type and rating specified in the equipment instructions.
- When used, maximum ambient temperature around the charger must not exceed 60 °C (140 °F).
- Output power from the power supply unit must not exceed the ratings stated on the product label located on the bottom of the vehicle charger.
- Make sure the cord is located where it will not be stepped on, tripped over, or subjected to water, damage, or stress.
- Do not operate the vehicle charger with a damaged cord or cigarette lighter connector or outlet – replace it immediately.
- Turn OFF the RPX Repeater before plugging the vehicle charger into the 12 VDC – 24 VDC vehicle cigarette lighter outlet.

VEHICLES EQUIPPED WITH AIR BAGS



- Do not place or install equipment in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If equipment is installed in the air bag deployment area and the air bag inflates, the equipment may be propelled with great force and cause serious injury to occupants of the vehicle.
- If the equipment is improperly installed and the air bag inflates, this could cause serious injury. Installation of vehicle communication equipment should be performed by a professional installer/technician qualified in the requirements for such installations.

MOTOROLA AUTHORIZED BATTERIES

Note: The batteries and Li-Ion Battery Frame Kit listed in Tables 1 and 2 below are approved for use with RPX Repeater and the HKPN4003A Vehicle Charger.

Table 1: RPX Series Authorized Batteries

Part Number	Description
RLN6308 (*)	Ultra High Capacity Li-Ion Battery 2400 mAh
RLN6305 (*)	High Capacity Li-Ion Battery 2200 mAh

Note: (*) These are the orderable part numbers. Authorized batteries under these kits are:
RLN6305: 60012001001 or 6080384X63
RLN6308: 60012000001 or 6080384Y10

Table 2: RPX Series Authorized Battery Frame

Part Number	Description
HKHN4004	RPX Li-Ion Battery Frame

DESCRIPTION

The HKPN4003A Vehicle Charger is used for charging the RPX Repeater (using a Li-Ion Battery Frame P/N HKHN4004A) when inside a vehicle. The vehicle charger includes a connector attached to the charger.

OPERATING INSTRUCTIONS

The vehicle charger will charge only the RPX Repeater using the Li-Ion Battery Frame P/N HKHN4004A with the Motorola authorized battery listed in "Table 1: RPX Series Authorized Batteries" on page 5. Other batteries may not charge.

Charging Inside the Vehicle

1. Connect the vehicle charger connector into the RPX Repeater AC/DC jack. See figure 1 below.
2. Plug the other end of the vehicle charger into the vehicle's cigarette lighter outlet receptacle. The Power LED on the vehicle charger illuminates green to indicate proper connection to a power supply. The LED will illuminate only if the charger is properly inserted and locked.

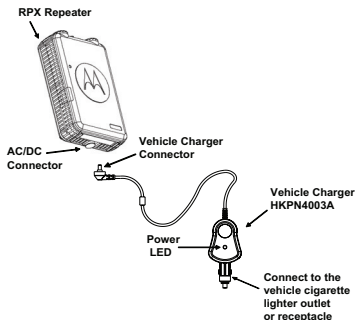


Figure 1. Charging Inside Vehicle

Note: If voltage to the vehicle cigarette lighter socket runs through the vehicle ignition switch, make sure the ignition switch is turned on for continuous voltage to the RPX repeater.

Protection Fuse

The vehicle charger is equipped with a protection fuse. Use 5 Amp/250 V, UL approved, fast acting fuse. To replace a fuse – refer to Figure 2 below.

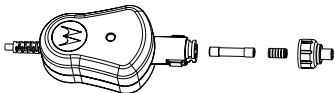


Figure 2. Replacing A Fuse

Cleaning

1. Use dry cloth and/or air flow to dry the charger plug in case of fluid drip.
2. Use vacuum cleaner to remove dust from the connector that interfaced the charger to the RPX Repeater.

FCC and Other Regulatory Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device does not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation. This Class B digital apparatus complies with Canadian ICES-003.





Important

Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This product complies with UL 2089.

European Union Directives Conformance Statement

This product complies with the 2004/104/EC European Automotive Directive.

 Important	All vehicle accessories require e-mark and Automotive Directive certification.
 Important	<ul style="list-style-type: none">• Vehicle Charger Operating Temperature: -25.6 °F to +140 °F (-30 °C to 60 °C)• Battery charging is automatically stopped above 95 °F (35 °C) or below 32 °F (0 °C)

Specifications

Input Voltage:	12 VDC – 24 VDC (Switched or non-switched power)
Output Voltage:	12 VDC +/- 5 %
Output Current:	Continuous 2.0A

For Motorola Customer Support call:

1-800-461-4575 in Canada
1-800-448-6686 in the USA
1-866-522-5210 on your TTY (Text Telephone)
or visit us at: www.motorola.com/rpx



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