POWERLABS
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USER MANUAL PTM-530K

Specification

- Model : PTM-530K
- Input : 5V 2A
- Output Power : 5W
- Operation Temperature : -30°C ~ +45°C
- Operating Frequency : 111kHz ~129kHz

Features

- Compatible with wireless charging Devices
- Over Current, Over Voltage, High Temperature and Short circuit Protection
- FOD (Foreign Object Detection) function

Caution

- No metal object between wireless charger and Devices
- Do not use water or chemical substances to clean the device, Use only a dry cloth
- Do not cover the products during charging.
- Thick Protective Case >3mm or a case includes magnetic or metallic material, may not allow proper charging function.
- Do not place any credit card on the wireless charger.

- Aucun objet métallique entre le chargeur sans fil et les appareils.
- N'utilisez pas d'eau ni de substances chimiques pour nettoyer l'appareil, utilisez uniquement un chiffon sec.
- Ne couvrez pas les produits pendant le chargement.
- Étui de protection épais > 3 mm ou un étui comprenant un matériau magnétique ou métallique, peut ne pas permettre une fonction de charge correcte.
- Ne placez aucune carte de crédit sur le chargeur sans fil.

How to Charge Your devices

1. Find wireless charging location on the dashboard and check there is any foreign objects on the charging area.
2. Remove and clean if there is foreign objects on the charging area
3. Place your device on the charging area and start charging automatically

Need Help?

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FCC Statement

- 1) FCC Compliance 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.

2) FCC Interference Statement

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 correct the interference by one 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 which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

3) FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

4) FCC Interference 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 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Statement

- 1) Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

2) Industry Canada Radiation Exposure Statement (Déclaration d’exposition aux radiations):

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

Cet équipement est conforme aux limites d’exposition aux rayonnements IC établies pour un environnement non con trôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Regulatory notice to host manufacturer according to KDB 996369 D03 OEM Manual

List of applicable FCC rules

This module has been granted modular approval as below listed FCC rule parts.
FCC Rule parts 15C (15.209)

Limited module procedures

The module is approved as a “limited module” without shielding. The device can be used in mobile exposure conditions only. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. the devices must be installed and used in strict accordance with the manufacturer's instrusctions as described in the user documantation that comes with the product. devices produced by a specific manufacturer, if any hardware modify or RF control software modify will be made by host manufacturer, C2PC or new certificate should manufacturer not expressly approved by the party responsible for compliance then it is illegal
The host integrator must follow Class II Permissive Change procedure to use this module.
The test plan is:
47CFR §15.209 Radiated emission limits; general requirements.
47CFR §15.207 Conducted limits.

RF exposure considerations

The module must be installed in the host equipment such that at least 20cm is maintained between the antenna and users’ body; and if RF exposure statement or module layout is changed, then the host product manufacturer required to take responsibility of the module through a change in FCC ID or new application. The FCC ID of the module cannot be used on the final product. In these circumstances, the host manufacturer will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

Antennas

Antenna Specification are as follows:
Type: Coil Loop Antenna
Gain: 0 dBi
This device is intended only for host manufacturers under the following conditions:
The transmitter module may not be co-located with any other transmitter or antenna;
The module shall be only used with the internal antenna(s) that has been originally tested and certified with this module. The antenna must be either permanently attached or employ a ‘unique’ antenna coupler.
As long as the conditions above are met, further transmitter test will not be required. However, the host manufacturer is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.)

Label and compliance information

The module is labeled with its own FCC ID Certification Number.
If the FCC ID Certification Number are not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.
Contains FCC ID: QLL-PTM-530K

Information on test modes and additional testing requirements

Operation Frequency: 110 ~ 129 kHz
Modulation: Backscatter

The product was evaluated to this test procedure and Limits :
47CFR §15.209 Radiated emission limits; general requirements.
47CFR §15.207 Conducted limits.
When the host is built-in in standalone mode or multi-transmission mode, or when the transmitter is built-in to other host products.
So the integrator must perform the following tests use Class II Permissive Change procedure:
47CFR §15.209 Radiated emission limits; general requirements.
47CFR §15.207 Conducted limits.

Additional testing, Part 15 Subpart B disclaimer
Only when all the test results of test modes comply with FCC requirements and C2PC grant is issued, then the end product can be sold legally.
If the grantee markets their product as being Part 15 Subpart B compliant (when it also contains unintentional-radiator digital circuity), then the grantee shall provide a notice stating that the final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.