

RACER IWARM SYSTEM : Main information

Our IWARM system is the Electronic part which is mounted into our gloves to make Heated gloves

The system is made off different parts

- Two electronic modules : Master module (for right hand) and Slave module (for Left Hand).
- 2 heated patch (made with Carbon microwire)
- Two 2200 mAh 2S1P LIPO batteries
- 1 LIPO battery charger 8.4V – 2A

Batteries and Charger are already certified. So they are out of the scope of your certification.

The electronic system contains two PCBAs (MASTER Board and SLAVE Board).

MASTER and SLAVE PCBA are the same design except some components are not mounted on SLAVE PCBA (Slave board has less functions compare to Master Board)

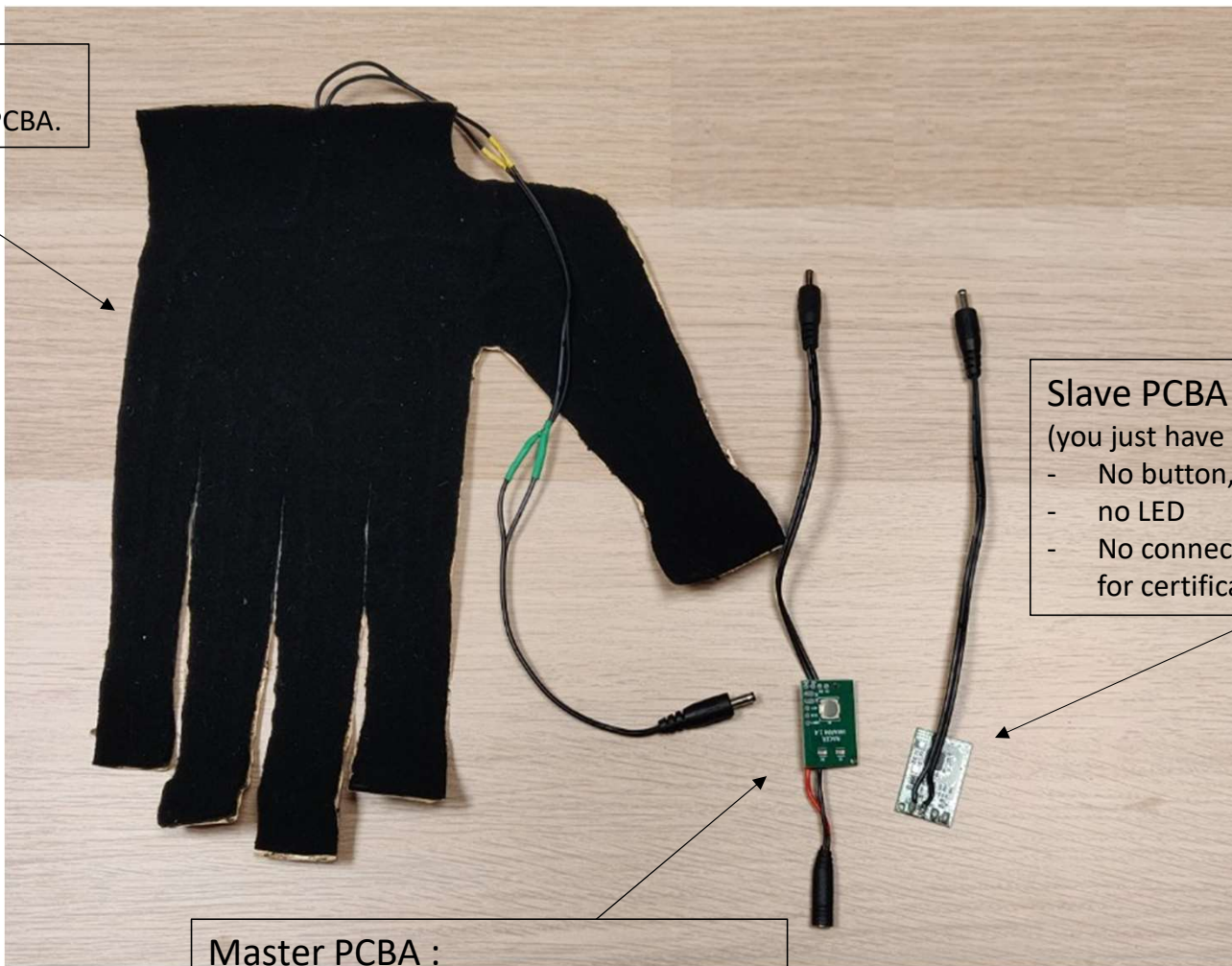
The system is working as below :

- Both boards communicate by 2.4 GHz radiofrequency
- Master Board send orders to Slave Board which follows instruction to work in same mode as Master Board

Regarding the certification :

- Master Board is the most critical part regarding electronic certification requirement.
- Heating function can only operate when both master and slave PCBA are connected. This is the reason I provide you with Master and Slave The aim is to get certification of the whole system

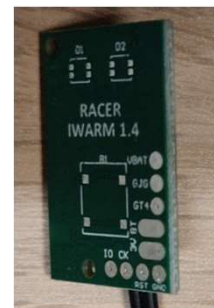
Heated patch
to connect to Master PCBA.



Slave PCBA
(you just have to power it by a 7.4V battery,
- No button,
- no LED
- No connector for heated patch as no need
for certification



Master PCBA :
With PCBA with Led, button and connector
for heated patch



RACER IWARM SYSTEM : Normal Mode

1. Connect heated patch and Master PCBA

2. Connect Battery on Slave PCBA

3. Connect Battery on Master PCBA

=>

Both LEDs of Master PCBA should light on for 3s (White, Orange, Red depending on the charge of the battery), then switch off.

4. Make a long Press (2s) Button on Master PCBA

=>

LEDs of Master PCBA should blink Blue until connected to SLAVE PCBA, then become fix White (Orange, RED, depending of battery charge).

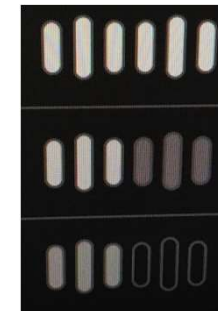
5. The system is active and is heating at high level (maximum power).

6. Make several short press to select others heating level

=> They are 3 levels. LEDs indicated the current level

7. Make a long press (Over 2 seconds) to put the system in Sleep mode

8. Go to Step 4 to wake up the system



High

Medium

Low

Delivery : 6 X (1 Master PCBA + 1 Slave PCBA + 1 Heated Patch)

RACER IWARM SYSTEM : RF Test Mode

- | | | |
|---|----|--|
| 1. Connect Battery on Slave PCBA | => | SLAVE Module starts automatically in Transmission Mode |
| 2. Connect Battery on Master PCBA | => | MASTER PCBA lights Green and start RF Communication with SLAVE Module. |
| 3. Make short press to change RF mode : | => | After each press, the light of the led is changing |

In Test Mode, the system is working as below.

- | | | |
|-----------|----|--|
| LED GREEN | => | 1 frame transmitted/received every 2s at 2402 MHz, 0 dBm |
| LED RED | => | 1 frame transmitted/received every 2s at 2440 MHz, 0 dBm 0 |
| LED BLUE | => | 1 frame transmitted/received every 2s at 2480 MHz, 0 dBm 0 |

In normal Mode, the frequency is 2480 MHz, 0dBm. Frame are transmitted every 6s

Delivery : 4 X (1 Master PCBA + 1 Slave PCBA)

RACER – NEW HEATED GLOVES COLECTIONS

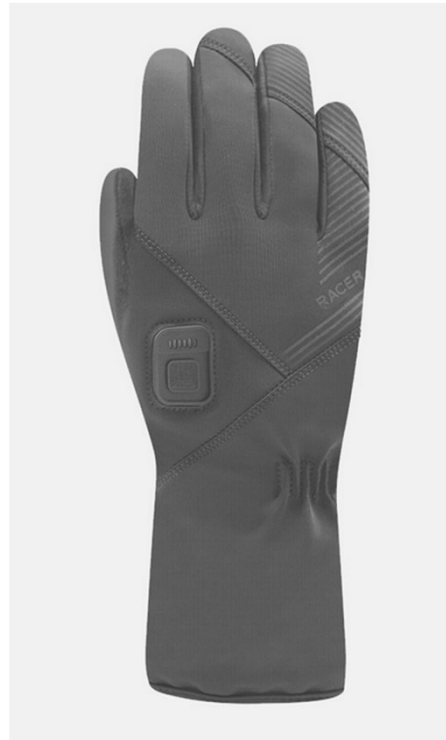
All IWARMS01 System are going to be mounted in our new collections (several model of gloves).

All gloves are going to use the same electronic IWARM 01 system

It explains that we need to certified the elctronic system itself (instead of the gloves)

Here is the current list of our new model of Heated Gloves :

- EGLOVE Velo
- EGLOVE Urban
- CONNECTIC
- HEAT
- REACTION
- ECOVER
- IWARM URBAN



EGLOVE4 VELO



EGLOVE4 URBAN



REACTION

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.

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 important announcement

Important Note:

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 0cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/Canada.

This device is intended only for OEM integrators under the following conditions:

1. The antenna must be installed such that 0 cm is maintained between the antenna and users, and
2. The transmitter module may not be co-located with any other transmitter or antenna,
3. For all products market in US, OEM has to limit the operation channels in CH0 to CH39 for 2.4G band by supplied firmware programming tool. OEM shall not supply any tool or info to the end-user regarding to Regulatory Domain change.

As long as the three conditions above are met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

Important Note:

In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

The final end product must be labeled in a visible area with the following"

Contains **FCC ID: 2A5VD-IWARM1** "

Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

Integration instructions for host product manufacturers according to KDB 996369 D03 OEM Manual v01

2.2 List of applicable FCC rules

CFR 47 FCC PART 15 SUBPART C has been investigated. It is applicable to the modular transmitter

2.3 Specific operational use conditions

This module is stand-alone modular. If the end product will involve the Multiple simultaneously transmitting condition or different operational conditions for a stand-alone modular transmitter in a host, host manufacturer have to consult with module manufacturer for the installation method in end system.

2.4 Limited module procedures

This module is Limited modular without shielding, host manufacturer have to consult with module manufacturer for the module limiting conditions when integrate the module in the host. module manufacturer should reviews detailed test data or host designs prior to giving the host manufacturer approval.

2.5 Trace antenna designs

Not applicable

2.6 RF exposure considerations

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator & your body.

2.7 Antennas

This radio transmitter **FCC ID: 2A5VD-IWARM1** has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antennas information

Antenna No.	Type of antenna:	Gain of the antenna (Max.)	Frequency range:
BT	Ceramic Antenna	2.7dBi for 2400-2500MHz	

2.8 Label and compliance information

The final end product must be labeled in a visible area with the following" Contains FCC ID: 2A5VD-IWARM1".

2.9 Information on test modes and additional testing requirements

Host manufacturer which install this modular with limit modular approval should perform the test of radiated emission and spurious emission according to FCC part 15C:15.247 and 15.209&15.207 requirement, only if the test result comply with FCC part 15.247 and 15.209&15.207 requirement, then the host can be sold legally.

2.10 Additional testing, Part 15 Subpart B disclaimer

Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as Part 15 B.

ISED Statement

- English: This device complies with Industry Canada license-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.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

- French: 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.

L'appareil numérique du CIEM conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du CNR - 102 et conformité avec RSS 102 de l'exposition aux RF, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs RF et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

This equipment should be installed and operated with minimum distance 0cm between the radiator & your body. Cet équipement doit être installé et utilisé à une distance minimale de 0 cm entre le radiateur et votre corps.

ISED Modular Usage Statement

NOTE 1: When the ISED certification number is 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. This exterior label can use the wording "Contains transmitter module IC: 28425-IWARM1" or "Contains IC: 28425-IWARM1".

NOTE 1: Lorsque le numéro de certification ISED n'est pas visible lorsque le module est installé dans un autre appareil, l'extérieur de l'appareil dans lequel le module est installé doit également afficher une étiquette faisant référence au module inclus. Cette étiquette extérieure peut être libellée Contient le module émetteur IC: 28425-IWARM1 ou Contient IC: 28425-IWARM1.