

# CIVIL RIGHTS ARMOUR (CRA)

Manual for active citizens (*English version*)

**CRA version 1.5a**

Last update: 9/12/2018

[www.civiccarmourproject.org](http://www.civiccarmourproject.org)

*An initiative from The Hong Kong Civic Hacking Society*

*Based on an original idea from the Charleston Project*

*Special thanks to Jin « KizDesign » for the design of this booklet.*

## CIVIL RIGHTS ARMOUR FEATURES

*A connected shirt designed to protect you from police violence during protests and arbitrary arrests.*



**1. Detect and record excessive uses of violence by police forces.**



**2. Stream your vitals and report assaults on you to other citizens.**



**3. Document violence and publish data related to these actions.**

# 1. Getting the right wearable



## *1.1. Model compatibility*

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Models to be converted into a CRA:

- 1. Asics GS-101, GS-104X, GE-201**
- 2. Nike Force2, BodyControl (2017)**
- 3. Adidas Castro, CS1, CS2, CS3**
- 4. Reebok Second Skin (2018)**

## *1.2. Tips when buying the wearable*

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- Obviously, don't ask the salesperson if the wearable is compatible with the CRA software.
- Pay with cash money, as it can't be traced back to your bank account.
- If possible buy your wearable in another town. Never buy it online, it can be traced back to your address.

# 2. Preparing the wearable

## *2.1. Connect your wearable to your computer*

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1. Plug in the wearable to your computer, usually with a USB connection.
2. Agree with the terms of service you will violate in the next minutes.
3. Create a fake profile to register it, with a disposable email address.

## *2.2. Testing the proper features of the wearable*

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1. Run the official diagnostic application to test and calibrate sensors.
2. Before hacking the wearable, wear it for few days, in order to be sure sensors work perfectly.

## 3. Installing CRA internal software

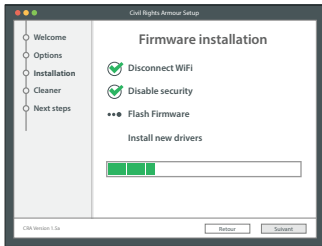
### 3.1. Downloading CRA firmware

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Please download, via a VPN, the firmware from a certified source on our open repository ([www.civicornourproject.org](http://www.civicornourproject.org)).

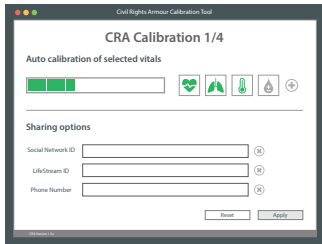
### 3.2. Installing the new firmware on the wearable

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1. Disconnect your Internet connection during the copy of the files.
2. Launch setup and boot the firmware. Follow the setup configuration.
3. Erase the firmware application and all the traces of firmware after installation in case of your computer was seized.

## 4. Configuring your CRA



### 4.1. Calibrating new features

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Launch the additional software to calibrate the wearable. Wear it to adjust its sensors to your vitals and run the training environment to adjust new features.

### 4.2. Linking with social networks and LifeStream

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One of the main features of the CRA is to connect the wearable with your social networks to share your conditions:

1. Launch the configuration setup and select the profile tab.
2. Enter login and passwords for your social networks / LifeStream profile.

## 5. Frequently Asked Questions

### ***- Is the Civil Rights Armour legal?***

No, as you will be asked to hack a legally protected device which you have agreed to comply with the terms of use.

### ***- Can I find an existing CRA in a shop?***

The Civil Rights Armour is a Do-It-Yourself (DIY) product, which means that it can't be purchased neither should be sold.

### ***- I get false positive feedback from my CRA, what can I do?***

Please connect with our online help forums, our community would be happy to help you with any kind of troubles you can get.

### ***- What would happen to me if I'm arrested wearing a CRA?***

Please never mention you are using a CRA to any authorities. As they can't charge you for wearing it, just keep this information for you.

### ***- Where are stored my data?***

### ***Can I retrieve or erase them?***

All your data are fully anonymized. As Civil Rights Armour is a collaborative project, the data you provide can't be identified neither be erased. They are public information and then belong to the community. We ensure your privacy with secured servers and a strong encryption protocol.

### ***- How can I use the data aggregated by CRAs to act against police violence?***

All data about police officers committing violence are public and open to be reused. If you want to help them, contact citizens led initiatives such as *Data Against State Violence* highlighting abuses from police forces.