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## *Instructions manual: NFC USB reader*

### **1. INSTALL JAVA SOFTWARE AND BLUNFC SOFTWARE**

Download and open the installation file of the Java SE Runtime Environment 8 software for MAC OS X on this link:

<http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>

Download and extract the following file:

[https://www.dropbox.com/s/6fabbgj4dk4fn8j/bluNFC\\_mac\\_v12.1.zip?dl=0](https://www.dropbox.com/s/6fabbgj4dk4fn8j/bluNFC_mac_v12.1.zip?dl=0)

Drag and drop it from the zip folder to Applications folder and then launch the BluNFC app. During the first start the application creates a database, sets default settings and closes itself.

Download and install the driver called „PC/SC Driver Installer” for MAC on the following link:

<https://www.acs.com.hk/en/products/342/acr1252u-usb-nfc-reader-iii-nfc-forum-certified-reader/>

### **2. PLUG THE NFC USB READER, OPEN BLUNFC AND CONNECT TO BLUCONSOLE**

Connect the reader's cable to one of your computer's USB ports. You should hear a bip confirming the connection is established. You can now once again launch the BluNFC app.

A pop-up window should open and allow you to enter your BluConsole account's login and password. Click on „Save” to validate. Then, the options „Start new recording” and „Read data” should appear.

### **3. START A NEW RECORDING**

Choose the option „Start new recording” on the previous window. A window will open allowing you to choose and modify the recording settings. You can also apply the settings from a previously created profile (see point 5). You have the choice between immediate start, a differed start (enter an amount of time before the beginning of the recording) and a manual start with the „Push” button (tick the corresponding case).

Once you have chosen the right parameters, click on the „Start recording” button. After you have confirmed the next window, a new window will open asking you to place the NFC logger on the reader. Place it and wait for data transmission to be finalized (around 4 seconds). Then if you want to program more loggers with the same parameters, you simply need to position the next logger on the reader and so on. Once you have finished, just close this window.

### **4. READ DATA FROM LOGGERS**

Go in the menu Logger and press „Read data”. A window will open inviting you to place the first logger on the reader. As for starting recording, you can read as many loggers in a row as you wish. If you have indicated your BluConsole login, the data will automatically upload to your account and available on [www.bluconsole.com](http://www.bluconsole.com) . Once you have finished, just close the window.

You can also locally view the graph and/or PDF report. To do so, you first have to place again the corresponding logger on the reader and then press either the „Graph” or „PDF report” button. You can also view the calibration report and parameters used for the recording

## 5. OTHER OPTIONS

In the „Profiles” button, you can create a new profile or modify an existing one. A profile is a combination of settings that you want to keep in the memory in order to apply it to one or more data loggers.

In the „Logger” button, you can read a new logger, start a new recording, stop the current recording, access the details of the last recording, or set the date.

In the „Settings” button, you can modify the language.