

CIRA2

ANODIC DISTRIBUTION MEASUREMENT STICK

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BLUETOOTH CONNECTION TO SEREM ANDROID

With its new BlueTooth feature, CIRA2 connects automatically to SEREM-Android application through a wireless bluetooth connection to an Android smartphone.

The SEREM Android application records every measure taken with our measurement tools. Connected via bluetooth on any android device, the module autosaves all data and allows the user to create measurement campaigns. It is also possible to forward data or synchronize it with your own data network in txt or csv formats.

Based on an open protocol, RioTinto has included this instrument in the ALPSYS system.

OPTIMIZING BATTERIES LIFETIME

Store and load at 20°C

Respect cycles of charge and discharge :

- Expect the completed discharge
- Charge for 10h
- Switch off the charge beyond 10h

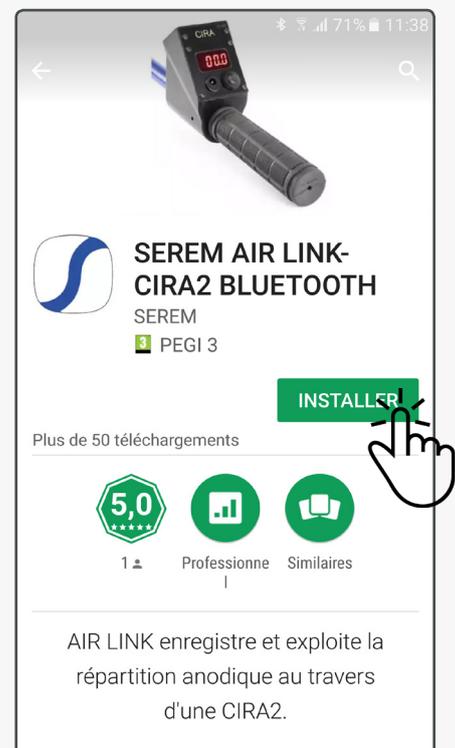
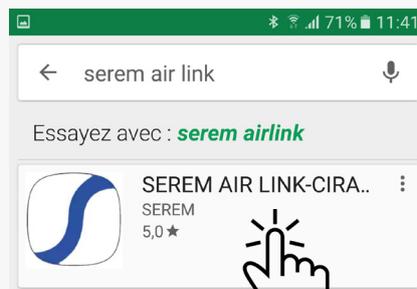
SEREM AIR LINK APPLICATION USER'S GUIDE

1 - How to install Serem Air Link Application ?

Connect your Android system with internet.

Open Google Play Store on your android system and look for "serem air link" or "cira2".

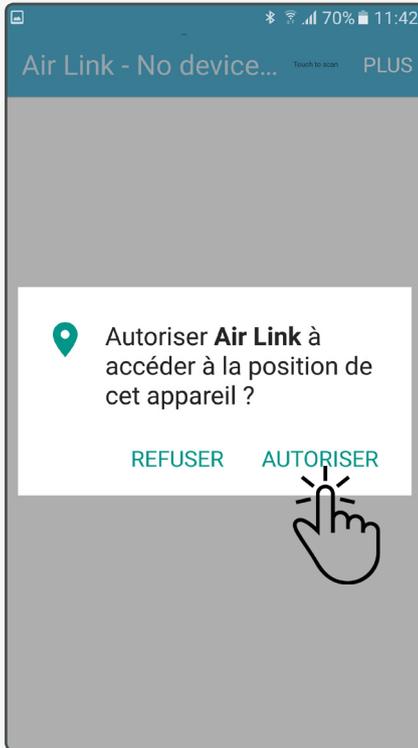
Install SEREM AIR LINK-CIRA2 BLUETOOTH.



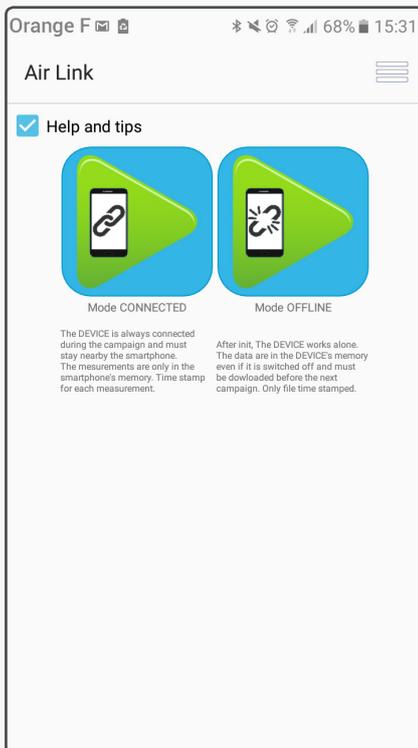
Open and initialize the application.

Authorize Air Link to access your device's position.

Authorize Air Link to access your device's multimedia contents.



You are now on the home screen of the application with rapid access to the main functions.



Start a connected campaign

The device is always connected during the campaign and must remain nearby the smartphone. Measurements are stored in the smartphone's memory only with a timestamp for each one.



Start an offline campaign

Once the offline campaign initialized, the device works alone without connexion to the smartphone. Datas are stored in the device memory even if it is switched off and must be downloaded before starting a new campaign. Only the campaign file is timestamped.



Help and tips

All along the application, Help and tips are displayed to assist you getting used to the application. Once you are familiar with the use, untick the "help and tips" box to hide them.



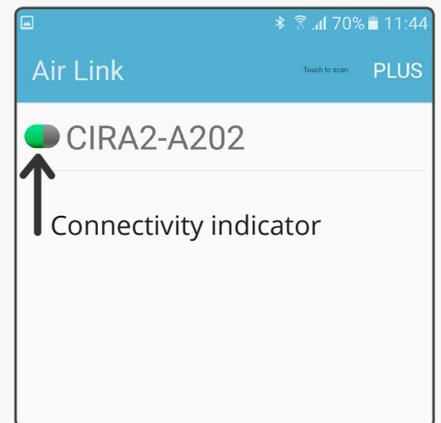
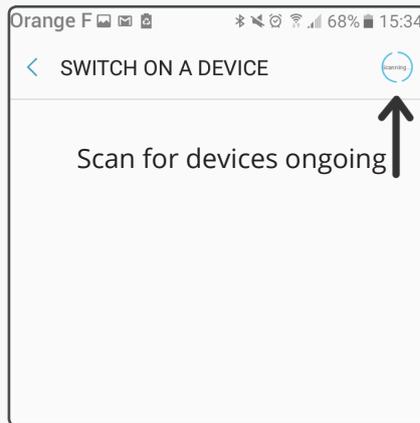
Menu

Access menu to functions

2 - Start a connected campaign

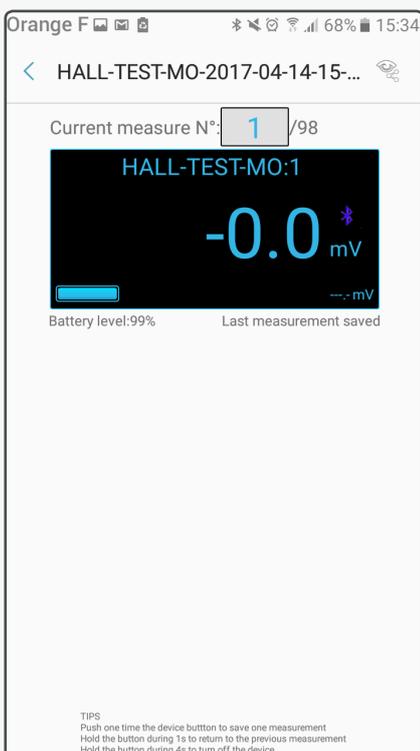
Click on the “start a connected campaign” button
 Select your campaign by clicking on the lists.
 if you have not configured your campaign, go to MENU > Campaigns edition.
 If your campaign is all right, press the start button.
 The application is automatically looking for devices for 2 minutes.
 Turn on all CIRA2 devices you need to use by simply pressing the CIRA2’s button once.

The application connects automatically with all CIRA2s turned on.
 The greener is the connectivity indicator, the closer your android device is to the connected CIRA2.
 Click on the device you would like to use for this campaign.
 The Serem Air Link application connects with this device automatically.



Once your devices synchronized, you could see the same screen as your device and start taking measures.

Place the CIRA2’s tips on the part you want to measure and press the CIRA’s button once.
 The reading is automatically saved and you can go on to the next one.
 The first reading is stored under number 1/99, the second 2/99 and so on.
 A campaign takes 99 measures or less.
 Inbetween each reading, the CIRA2’s screen displays the number of the next measure you will take.
 Press device’s button for 2sec = goes back to previous reading to modify it.
 Press device’s button for 4sec = switches off the device.



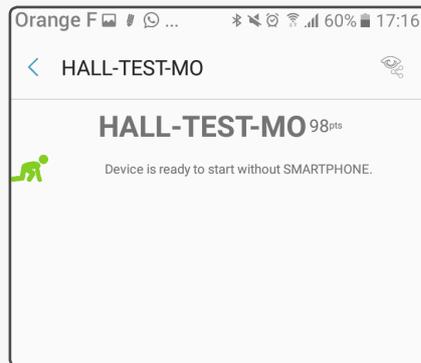
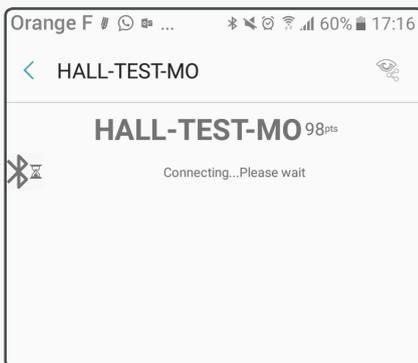
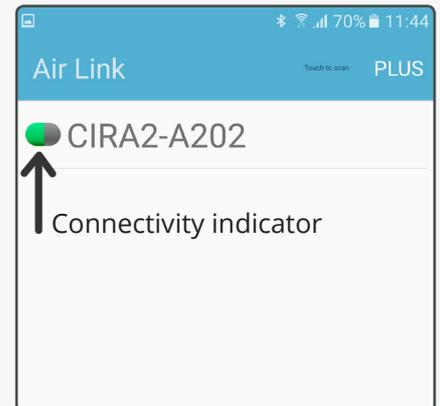
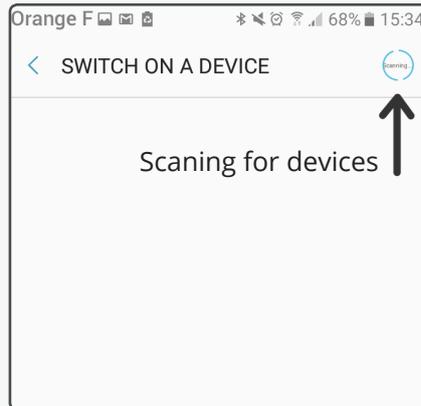
HALL - TANK - MO : number
 is the name of the current campaign
 + the number of the next measure you will take



3 - Start an offline campaign

Click on the "start an offline campaign" button
 Select your campaign by clicking on the lists.
 if you have not configured your campaign, go to MENU > Campaigns edition.
 If your campaign is all right, press the start button.
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 Turn on all CIRA2 devices you need to use by simply pressing the CIRA2's button once.

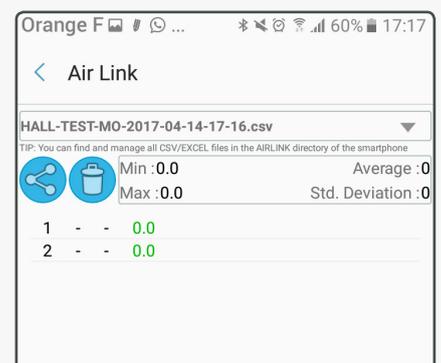
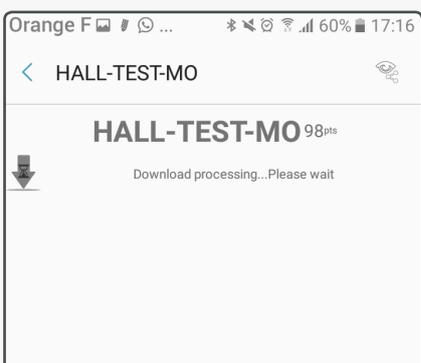
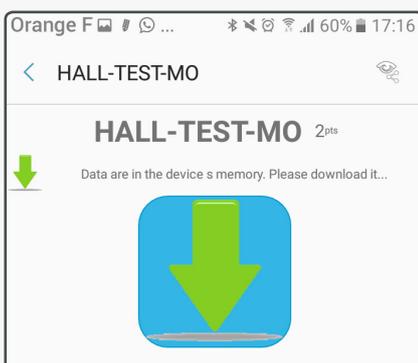
The application connects automatically with all CIRA2s turned on.
 The greener is the connectivity indicator, the closer your android device is to the connected CIRA2.
 Click on the device you would like to use for this campaign.
 The Serem Air Link application connects with this device automatically.



Once your devices synchronized, you could start taking measures without having your smartphone on you.

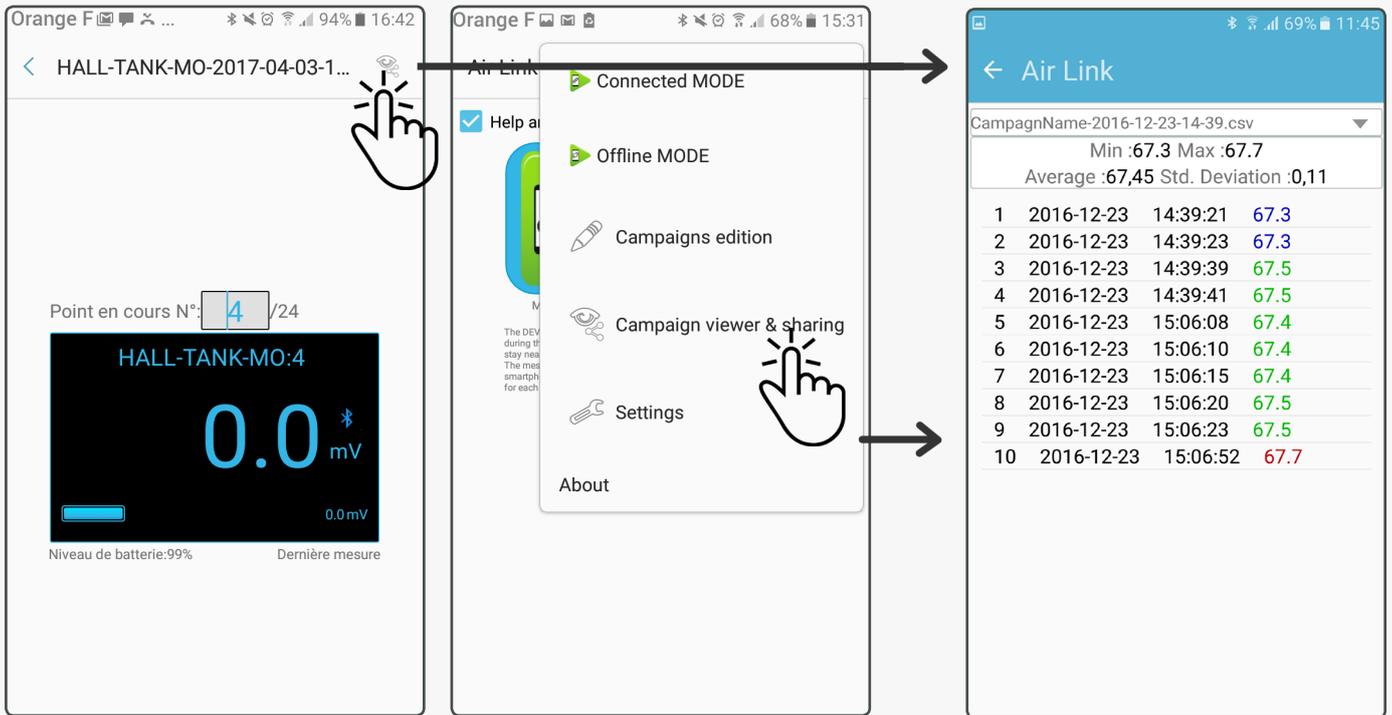
Place the CIRA2's tips on the part you want to measure and press the CIRA's button once.
 The reading is saved in the device and you can go on to the next one.
 Inbetween each reading, the CIRA2's screen displays the number of the next measure you will take.
 Press device's button for 2sec = goes back to previous reading to modify it.
 Press device's button for 4sec = switches off the device.

At the end of your campaign, connect your device to the smartphone, and press the download button.
 Remember to always download offline campaigns before starting a new one.



4 - How to view result and export campaigns ?

You can access to the current campaign by clicking on the eye icon.
 Or you can access to all campaigns by clicking "MENU" and "View and share campaigns"
 The campaign displays all the measures with a time stamp and a color.
 Green : The measure is close to the average.
 Blue : The measure is above the standard derivation.
 Red : The measure is twice above the standard derivation.
 Connect your android system to a computer via usb to extract data campaigns.
 All campaign are also stored on your device in the "Air Link" folder. You can share the csv files.

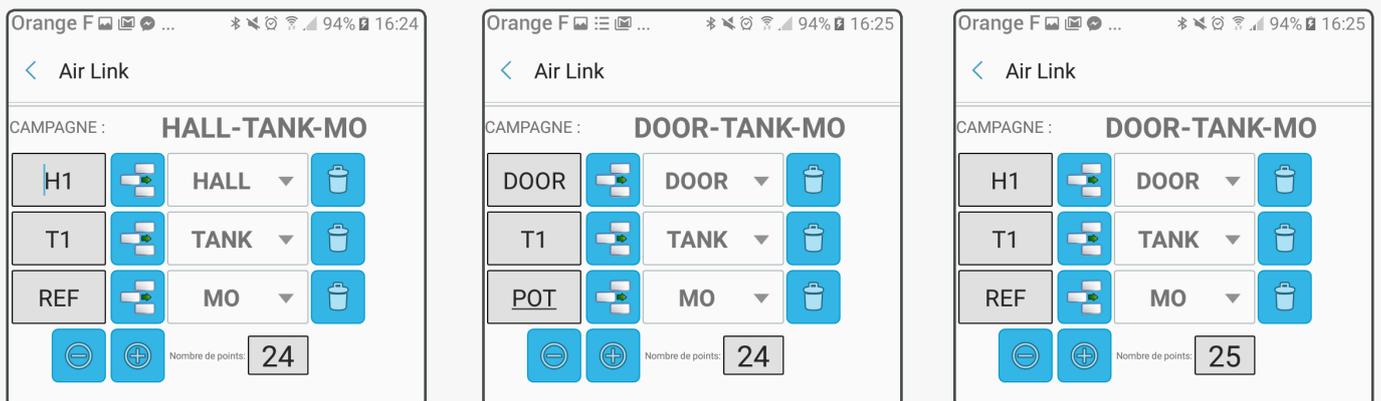


5- How to edit and create campaigns ?

Edit campaigns by clicking "MENU" and "Campaign editor"
 To create adapted measurement campaigns, simply name the campaign like the points you have to measure so its name would indicates exactly where you have to make a measure.
 Three levels are customizable. By default, level 1 is the HALL, level 2 is the TANK, 3 is the REF.
 It is possible to edit each label by clicking on the left grey cell  and validating with 

You also can decide how many measure each campaign is composed by clicking  or 

It is possible to delete a label by clicking on 



6 - How to configurate the settings ?

- General Preferences :

Modify the screen orientation between auto, portrait or landscape.

Activate / Desactivate Help and tips

- Mode continue :

Choose the frequency to make a quick continue campaign. (not yet available).

