IOLIVING SERVICE

ioLiving

QUICK GUIDE

This guide describes how to start using ioLiving products and service. This first page contains a quick guide to the service. Detailed descriptions of the steps can be found on the following pages.

There are four steps to do when commissioning the ioLiving service:

Step 1 **Create ioLiving account**	Open a web browser and go to **www.ioliving.com** and choose **"Login"**. Select **"Create new account"** to start using the service. After your account is created you can log in to the service.
Step 2. **Activate the device**	After logging in, select "**Device settings"** and **"Add new device"**. Give your device a nickname. The name is associated with the serial number behind the device. In the future, the device will be displayed on the service with the name you provided. You can change the name later.
Step 3. **Turn on the data collector device**	Turn on the power. Some of the products have a pre-installed battery. On some products you have to strip out a plastic protection to activate the battery.
Step 4. **Install the ioLiving data transfer application from Google Play or App Store.**	Your Android or iOS phone or tablet computer transfers data from the data collector device to the web service. In order to do this an application called **"ioLiving Handy"** shall be installed from Google Play or App Store. Log in with your username and password.

Adding more devices to same account:

Once you have a user account created and application installed you just have to follow these two steps to add devices:

- Activate the device (step 2).
- Turn on the power (step 3).

GETTING STARTED

Create an ioLiving account

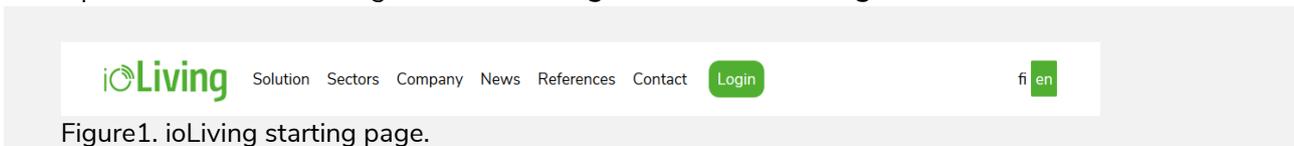1. Open a web browser and go to **www.ioliving.com** and choose **"Login".**

Figure1. ioLiving starting page.

2. Select "**Create new account**". Use your e-mail address as a user name. Accept the privacy policy, select the correct time zone and select "**Finish**".
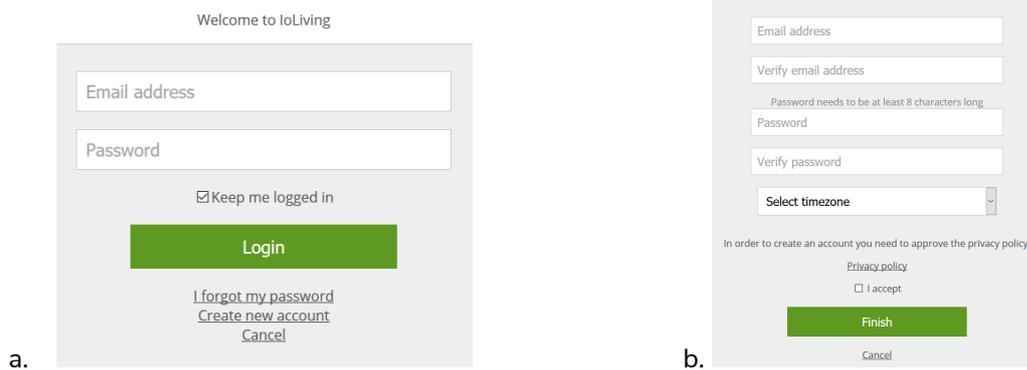

a.

b.

Figure 2. The Login (a) and the new account creation window (b).

3. When your account is created you can log in to the service with your username and password. After the successful login you are in the ioLiving service and the top banner of the page looks like this:

Figure 3. Top banner of the ioLiving service page.

4. You can change your account settings by selecting "Account", which opens the account management window. In the account management window, you can change the regional settings like language, time zone, date and time, personal settings, activate a license, change the password and log out.
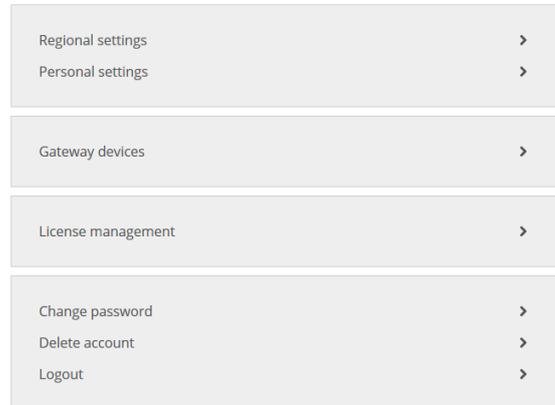
Regional settings	>
Personal settings	>
Gateway devices	>
License management	>
Change password	>
Delete account	>
Logout	>

Figure 4.
The account management window.

Activating the ioLiving data collector device

Before you can use your ioLiving data collector device, you must activate it. Activation means adding the device to an ioLiving user account. After the activation it is possible to monitor and manage the data the device has collected. Adding the device to the account can be done by following steps below:

1. In the main menu select "**Device settings**" and "**Add new device**".
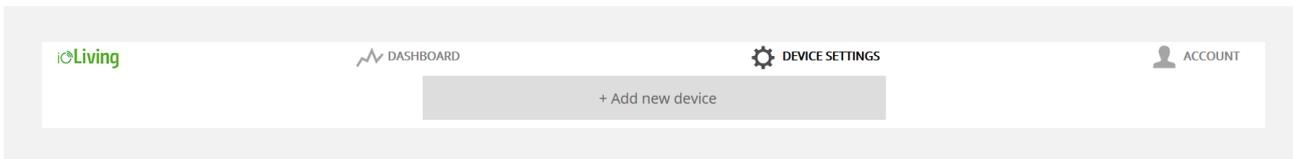
2. Add the new device to the account by entering the device's 12-digit serial key, which is usually printed in the product label at the bottom of the device. Give also a nickname to the device to ease up its identification in the future.

Figure 1. The device registration window.

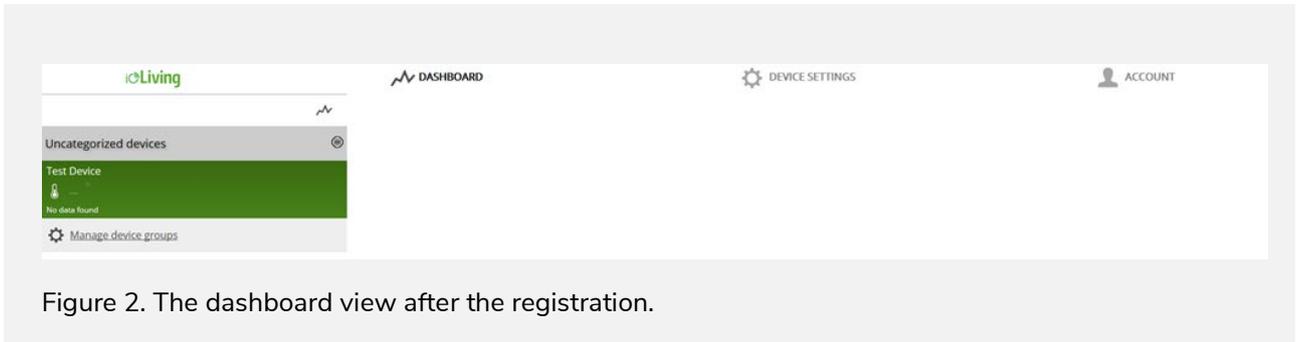3. After the successful registration, the device appears in the front page:

Figure 2. The dashboard view after the registration.

Turning on the ioLiving data collector

1. Turning on the device:
   Usually the battery is factory assembled. The device can be switched on by pressing the power switch or removing the battery strip (see figure 1.).

a.   b.   c.

Figure 1. The power switch type can be (a) rocker switch, (b) slider switch or (c) battery strip which must be removed by pulling it straight out.

Note that there's usually no signal light indicating the device status. If there's no batteries in the device, follow the instructions below to install them.

2. To install or replace the batteries:
   The adequate battery model is described in the label at the bottom of the device or in the manual or brochure. The only accepted battery type is lithium battery, since its capacity is enough to achieve the promised operating time. It also enables the device usage in low temperatures. The use of other battery types may cause malfunctioning in low temperatures and remarkable loss in operating time.
   For installing the batteries, open the fastening screws from the bottom plate with a screwdriver. Use the screwdriver which fits exactly to avoid damaging the screws.
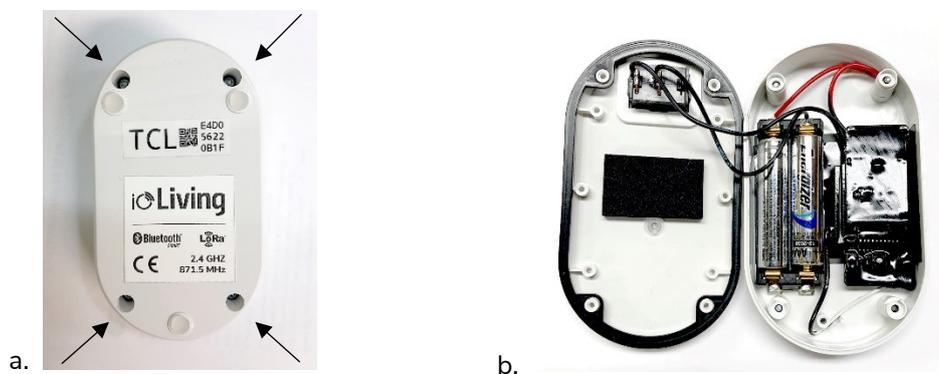

a.   b.

Figure 2. Fastening screws' locations (a). Install the batteries in the battery holder, noting the polarity markings located in the battery holder. (b). When putting the device back together, pay attention to sealing gasket's correct assembling.

3. Mechanical assembling:

    There are three or four small pads in the bottom of the device, which settle the device firmly in the horizontal plane. The device can also be assembled on vertical surfaces of even upside down with Velcro tape.

    When installing the device, limitations due to data transferring method must be considered; Bluetooth signal passes poorly through walls and other structures, and the Bluetooth range is only 15 meters in an open environment. If the device is installed inside the external casing, the Bluetooth connection may be completely blocked. If the device is LoRa compliant, the data signal range and signal penetration are much better than they are with Bluetooth. LoRa connection requires the usage of a Gateway device (look at the Gateway manual, if needed).

    If the data collector includes separate probes, follow the data collector's specific instructions when assembling them.

4. Data collector's model and technical information:

    A data label is located at the bottom of the device. Device's model, MAC address, battery model and type, data connection types and the applied radio frequencies are marked in the data label.

5. Verification of the functionality:

    To verify the functionality of the data collector device, it must be registered to ioLiving account (look at the ioLiving registering manual). After the registration it is possible to monitor the transferred data values in the ioLiving service. The data transferring requires a phone or a tablet with ioLiving data transfer application (look at the ioLiving application manual) or the usage of a Gateway data transfer device (look at the Gateway manual).

Installing the ioLiving Handy data transfer application

ioLiving Handy app can be installed on Android and iOS smartphones as well as tablet by following the steps below:

1. Open the Google Play (Android) or App Store (iOS) in your phone, search the application with keyword "ioLiving" and install the app "ioLiving Handy".

Figure 1. ioLiving Handy in (a) Google Play (b) App Store.

2. Open the application. It lists all ioLiving data collecting devices nearby in the opening view. Select menu symbol at the top of the view. In the menu, it is possible to select highlighting for own devices, if there are plenty of foreign data collecting devices around. Login to the application with your user name and password you have created earlier in the ioLiving user account registration.
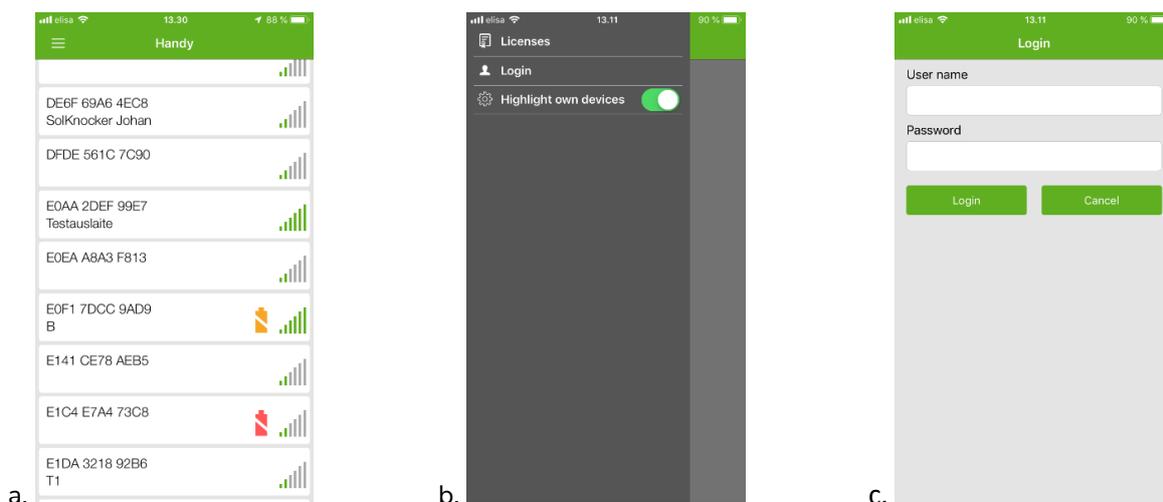

Figure 2. ioLiving Handy front page, menu and login page.

3. If the own devices highlight selection is on, there is a person symbol after the devices registered to the user account. The battery status symbol is also shown on the list. If the symbol is yellow, the battery is getting empty soon. If the symbol is red, the battery is empty, and it must be replaced.

4. By selecting the data collector device from the list, a measurement reading view opens. Selecting "Read measurements", transfers the measurement data to the ioLiving service. The data transfer application uses Bluetooth connection with the data collector devices and a wireless data connection to upload the data to the ioLiving service.

5. When logged in to the application, there is a globe symbol at the top of the view. The globe symbol opens a connection to the ioLiving service. In the service it is possible to monitor and manage the data the device has collected.
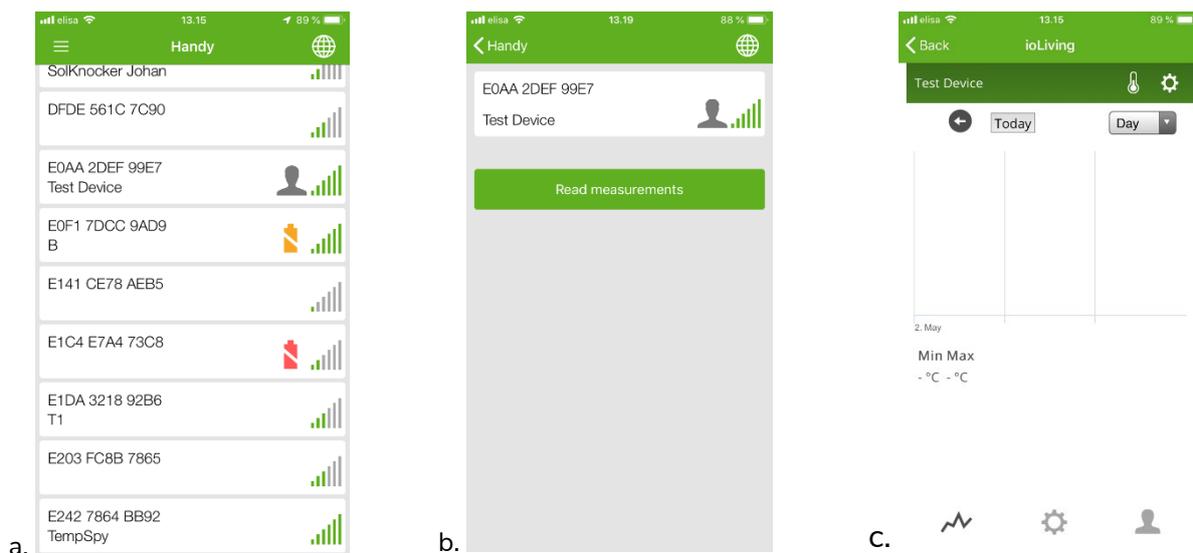

Figure 3.
ioLiving Handy (a) data collector device listing (b) measurement reading view (c) ioLiving service.