

## User instructions

- Connect the IAR board with the Smartbox, and then connect your PC and the IAR board with an ethernet cable.
- When you first boot the application, the home screen is presented. There are 6 icons, that lead to other screens. The 6 screens are monitoring, learning, measurements, web server, information and settings.
- Start by going into the learning screen (book icon). This is the screen where appliances can be learned. Plug in a device into the Smartbox and wait for the device count to increment. Once it has incremented, unplug the device. Wait for the 'device has been unplugged' message to appear and then learn the next device. You can learn 3 devices in total. Once the limit is reached, a message will display. You can click the 'delete all' button to delete all learned devices.
- Exit the learning screen, and enter the monitoring screen (light bulb icon). This is the screen where device state information is displayed. If a device is turned on, the light bulb for it will light up. If a device is off, the light bulb is off. **DON'T TURN ON OR OFF MORE THAN ONE DEVICE AT A TIME.**
- The P, Q, H data for each device are displayed underneath the light bulb.
- In the measurements screen, you can see real time updates of the Smartbox information.
- In the settings screen, you can turn on the debug option. Some useful information is displayed in small texts at the top of the screen.
- Change your network settings for a static ipv4 address like 192.168.0.xxx.
- Open your web-browser and enter the address 192.168.0.100, after a little while maybe 10-20 seconds be patient, the front-page is done loading.
- From the menu in the top of the website you can hit Update if you want the information refresh, or press one of the other menus to display e.g. the power graph.