GUI-O **and user's device pairing**
**Step-by-step**

# Table of Contents

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# INTRODUCTION

Congratulations, you have decided to use GUI-O as your graphical user interface (GUI) application. Before you start controlling your world with one app, you will need some basic information on how to connect your device to GUI-O application. In this manual, all the steps needed to pair both devices as smooth as possible are presented. Furthermore, the GUI-O application will lead you throughout the whole process of pairing.

## Required hardware

- Your device with WiFi interface

- Android powered device (e.g., mobile phone, tablet, etc.)

- Your domestic WiFi network router

## Required software

- GUI-O application

## Step 1. Device pairing

Using GUI-O app, you can remotely access your device and control it from anywhere at anytime (e.g., turn on/off, adjust settings, etc. ). But first, you need to pair your Android powered device (e.g., mobile phone, tablet, etc.) and the device you want to control.

After powering on, your device will enter the pairing mode during the first use. Follow the instructions in GUI-O application and you will pair both devices in a few minutes.

**NOTE:** If you replace your WiFi router or want to use another, you must repeat the procedure. If you want to add another device that you want to control, repeat all the steps.

Once you've paired your device with the GUI-O application, you can share it (check Step 2) with your family to control the device together.

Device in pairing mode:

1. Once you've successfully installed the GUI-O application, tap on the icon and wait until the GUI-O screen appears (default screen is shown in Figure 1).
2. Enter the settings menu by sliding your finger from left side of the screen to the right or tap the 'three dots' on the top of the screen.



*Figure 1: Initial - start screen*

3. Select *Settings > Quick pair > Direct Device Pairing* (Figures 2 and 3).
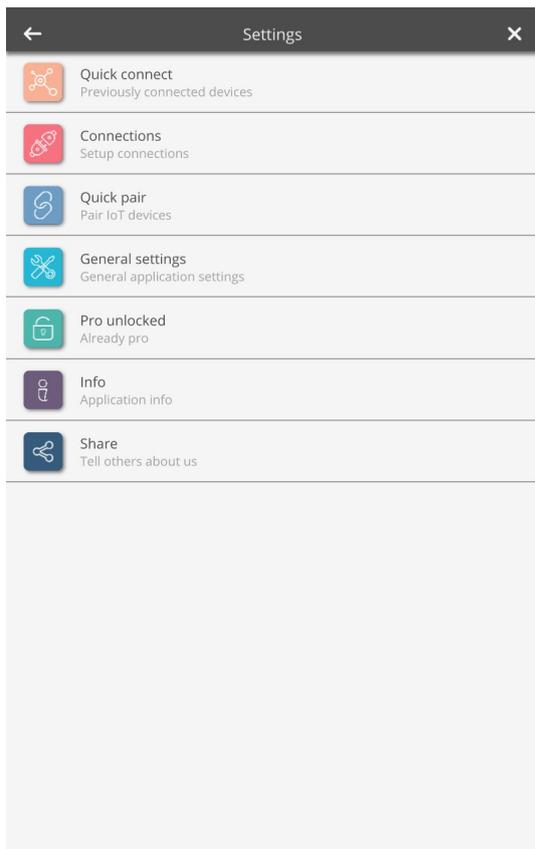
Figure 2: [Settings menu] screen
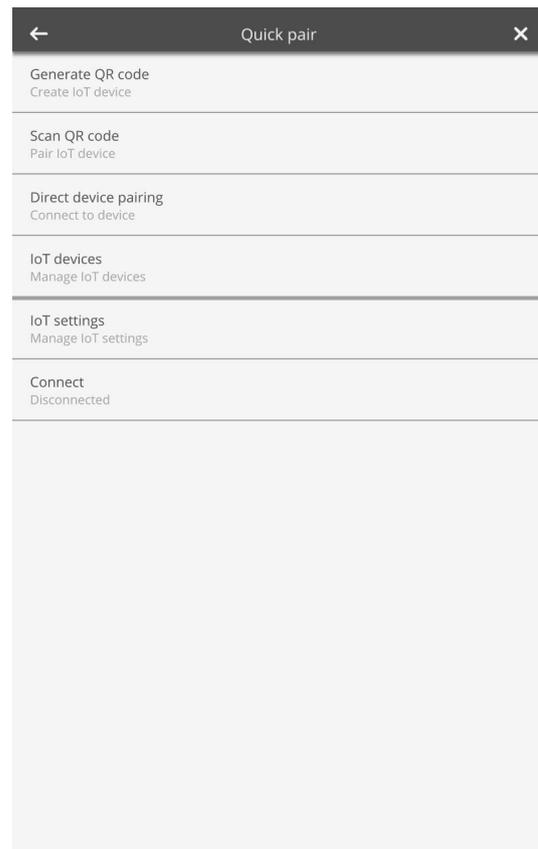
Figure 3: [Quick pair] screen

4. Enter *Device name* (mandatory - Figure 4)
   Device name is a name of the device that you want to use with the GUI-O app (in this example '*my device* ').
5. Enter *User name* (optional - Figure 4).
   User name is used if you want to specify the name of the device's user. Each user can have its own graphical user interface for the same device.
6. Follow the instructions in GUI-O app (Figures 5 and 6).

   **NOTE:** Some Android powered devices must have mobile data switched off to show available WiFi networks. GUI-O app will ask you to switch off the mobile data during the pairing process.
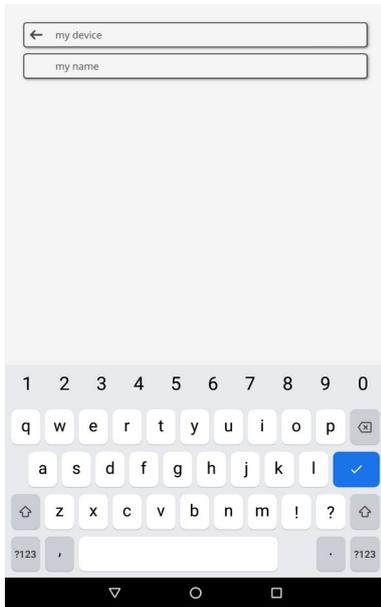
Figure 4: [Enter Device name] screen
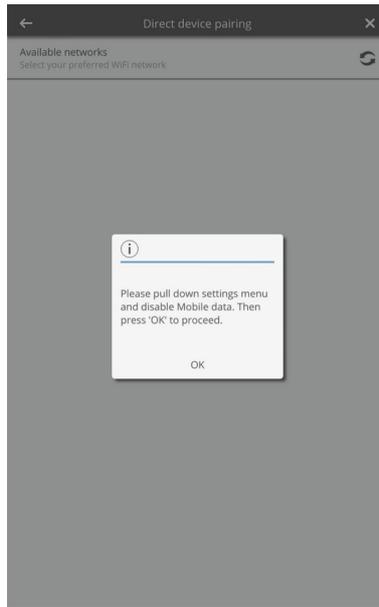
Figure 5: App instructions 1- confirm
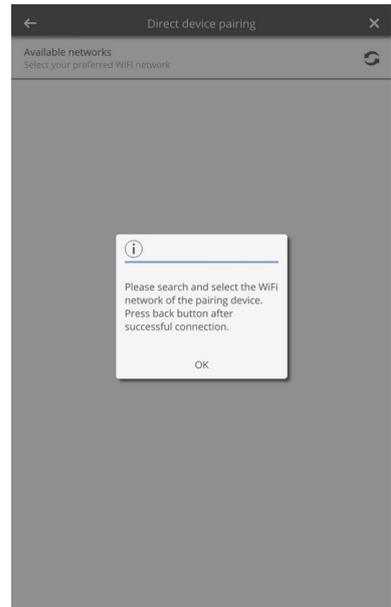
Figure 6: App instructions 2 - confirm

7. Select  *guio_MACADRNR* network (in this example *guio_42f520230531* – Figure 7)
   **NOTE:** Some Android powered devices will notify you that selected network has no access to WiFi – just ignore it and confirm your selection.
8. Enter password *12345678* (Figure 8).
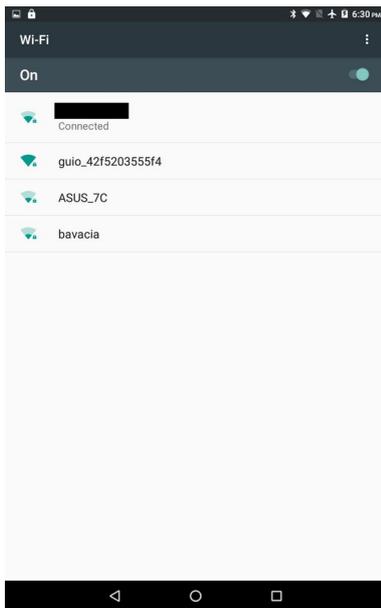   **NOTE:** this is needed only when pairing for the first time.
9. Tap *Connect* (Figure 9).

*Figure 7: [Select network] screen*
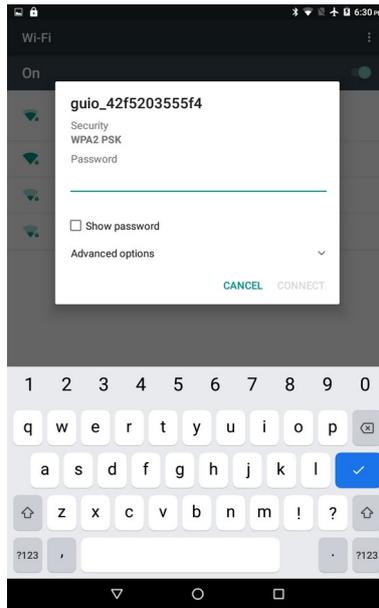


*Figure 8: [Enter password] screen*
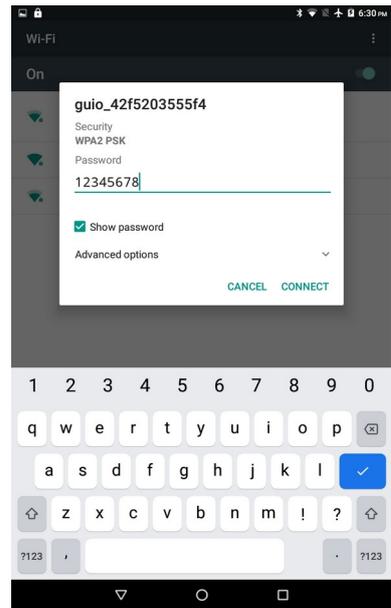


*Figure 9: Confirm selected network and password*

10. Your device is connected, however, your Android powered device will notify you that selected network has no internet access. No worries, just ignore this notification and insist on your selection. Tap *Yes* (Figures 10 – Figures 12).
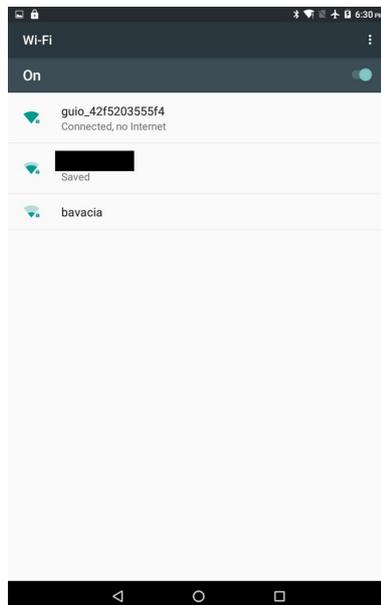


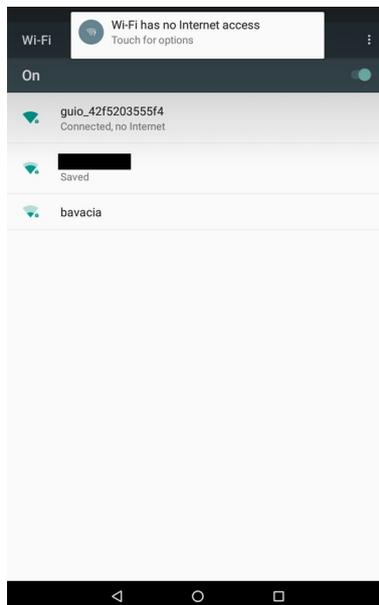*Figure 10: Connected to gui_MACADRNR network*



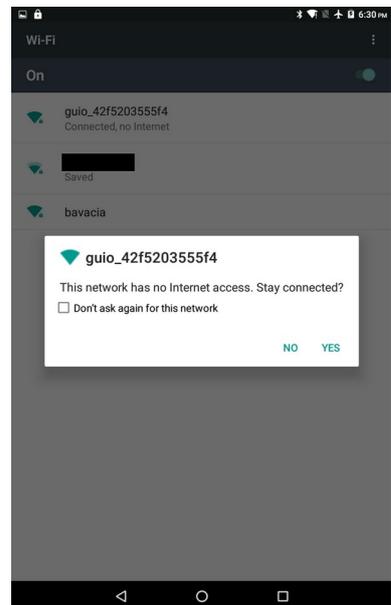*Figure 11: Notification - no internet access*



*Figure 12: Confirm again selected network*

11. Tap BACK to return to GUI-O app, if you are not re-directed back to the application.
12. Follow the instructions in GUI-O app (Figure 13).
13. Select your home WiFi network (Figure 14).
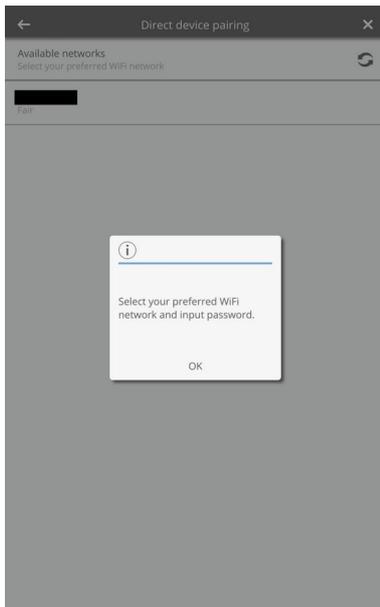14. Enter your password for home WiFi network (Figure 15).



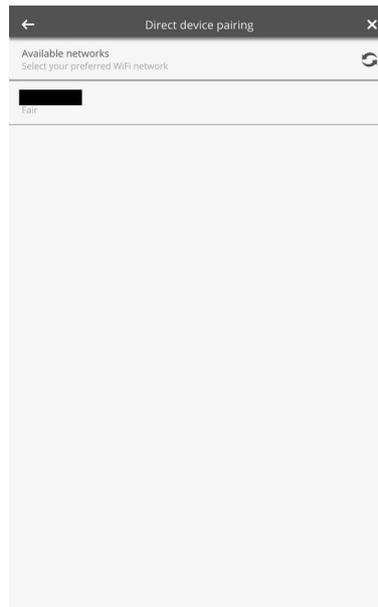*Figure 13: App instruction - confirm*
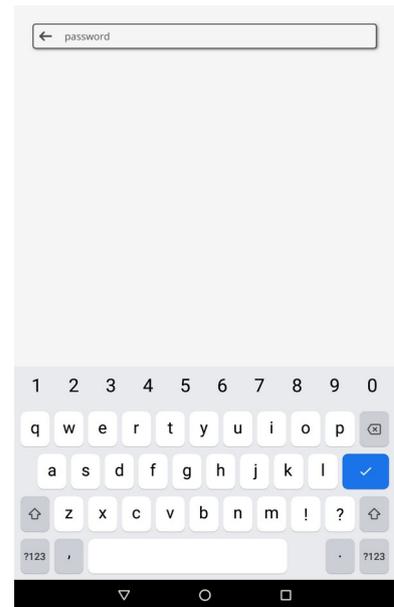
*Figure 14: Select home WiFi*

*Figure 15: Enter password for home WiFi*

15. Follow the instructions in GUI-O app. You will be re-directed back to the GUI-O app. In this step, the GUI-O app connects to your home WiFi network (Figure 16).
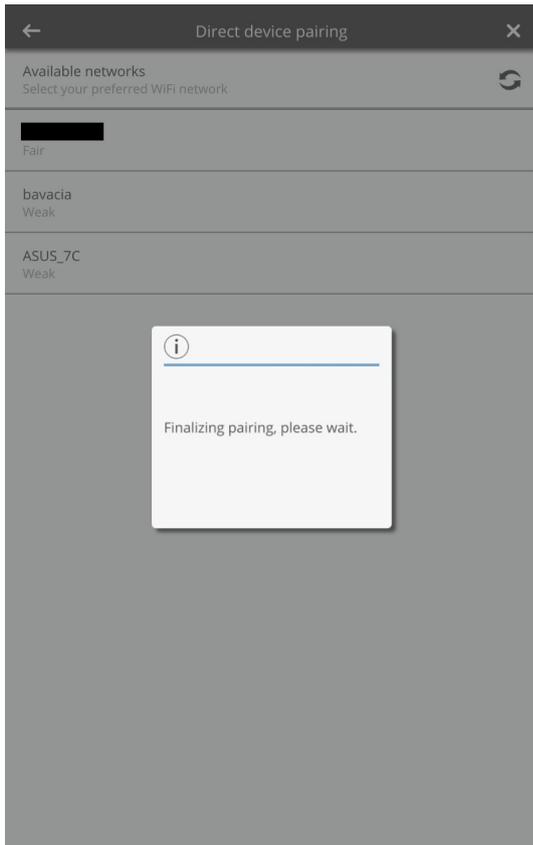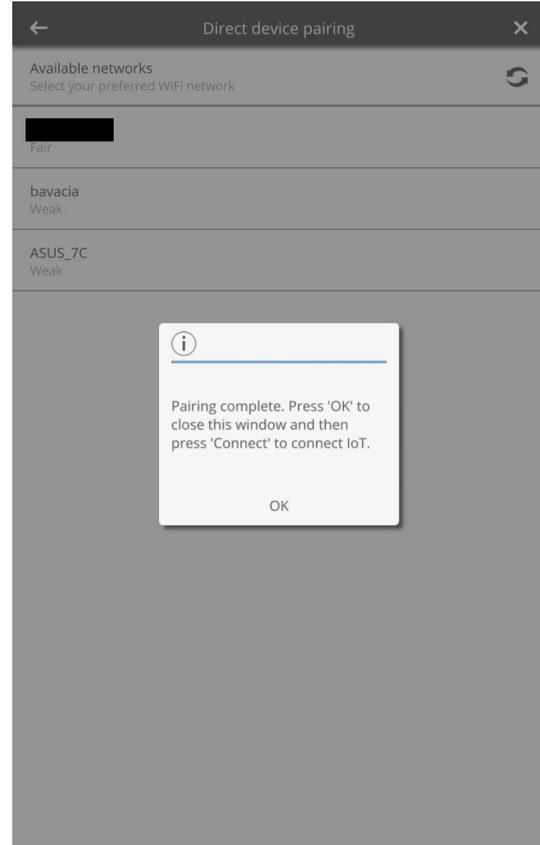
Figure 16: App instruction - wait


Figure 17: App instruction - confirm

16. Confirm completed pairing (Figure 17).
17. Tap *Connect* and wait for the status to change to 'Connected' (Figures 18 and 19).
18. Tap BACK button twice and START your app by pressing the INITIALIZE button (default screen Figure 1). Pairing procedure is completed.
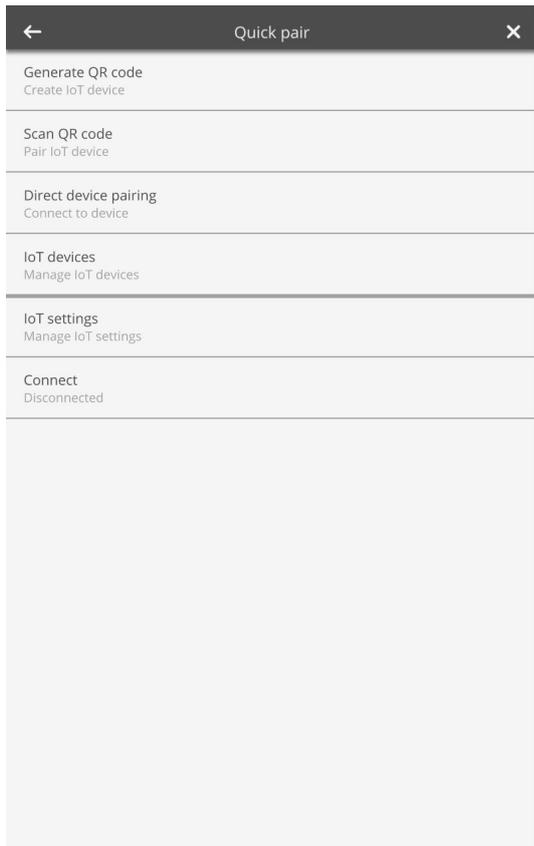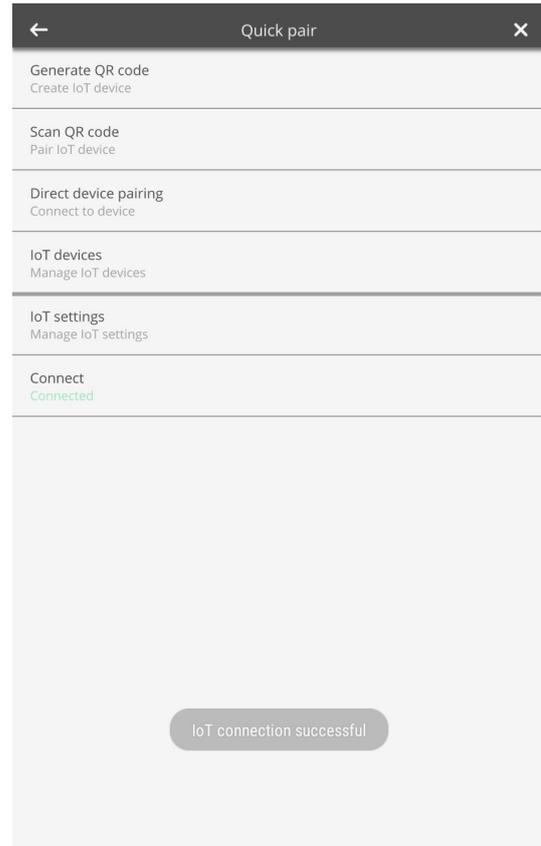
Figure 18: Disconnected - tap again Connect tab



Figure 19: Pairing is successful - your device and **GUI-O** app are connected

# Step 2. Start using or share

Start controlling more devices with your GUI-O app or share your paired device with others. To do so, just follow the next few steps.

- Select *Settings > Quick pair > Iot devices* (Figure 20).

- Choose the name of your device - specified in the pairing procedure, in this example '*my device* ' (Figure 21).
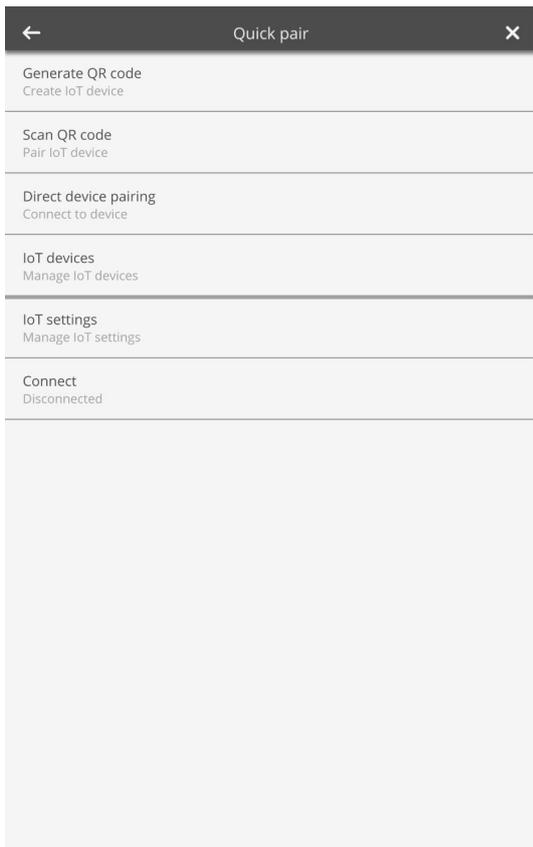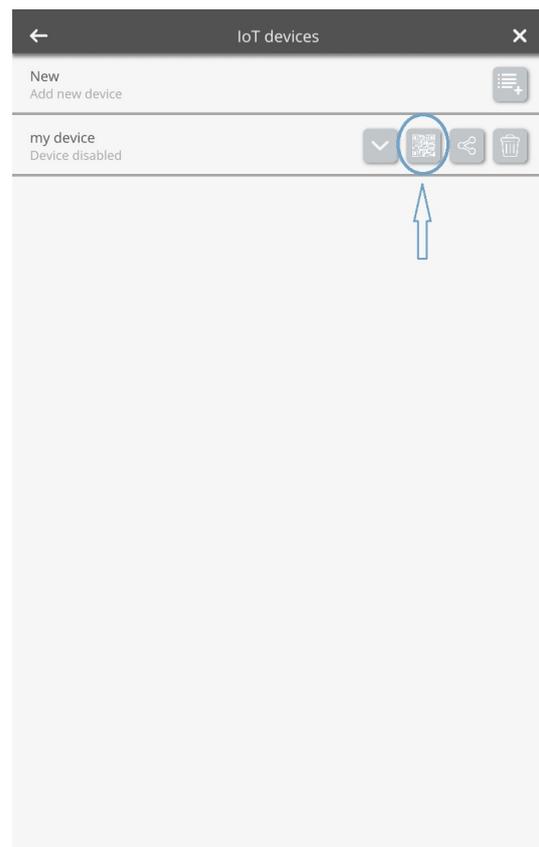
Figure 20: [Quick pair] screen

Figure 21: [IoT device] screen

- Select QR code icon – this will generate QR code on your e.g., mobile phone (Figures 21 and 22). Note that you can also share the QR code by pressing the 'share' button on the right.

- Use another Android powered device (must have GUI-O app installed).

- In GUI-O app select *Settings > Quick pair > Scan QR code* (Figure 23).
- Scan the QR code with second Android powered device (Figure 23). When pairing is completed the GUI-O app will notify you "Pairing data set".
- Tap *Connect (Settings > Quick pair > Connect )*

- Tap BACK button twice and START using GUI-O app for your shared device on the second Android powered device by pressing the INITIALIZE button (default screen Figure 1).

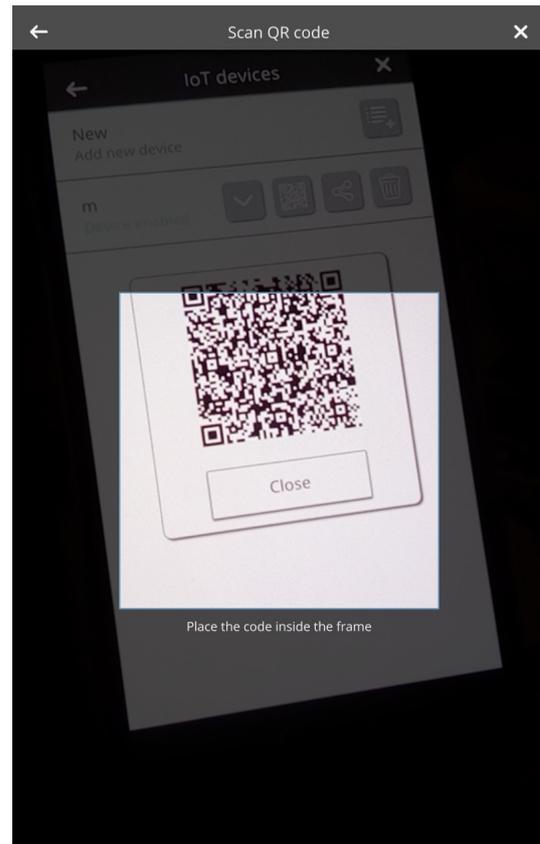Figure 22: QR code generated for the device you want to share



Figure 23: Scan generated QR code with another mobile phone