Modberry QuickStart

Hardware startup
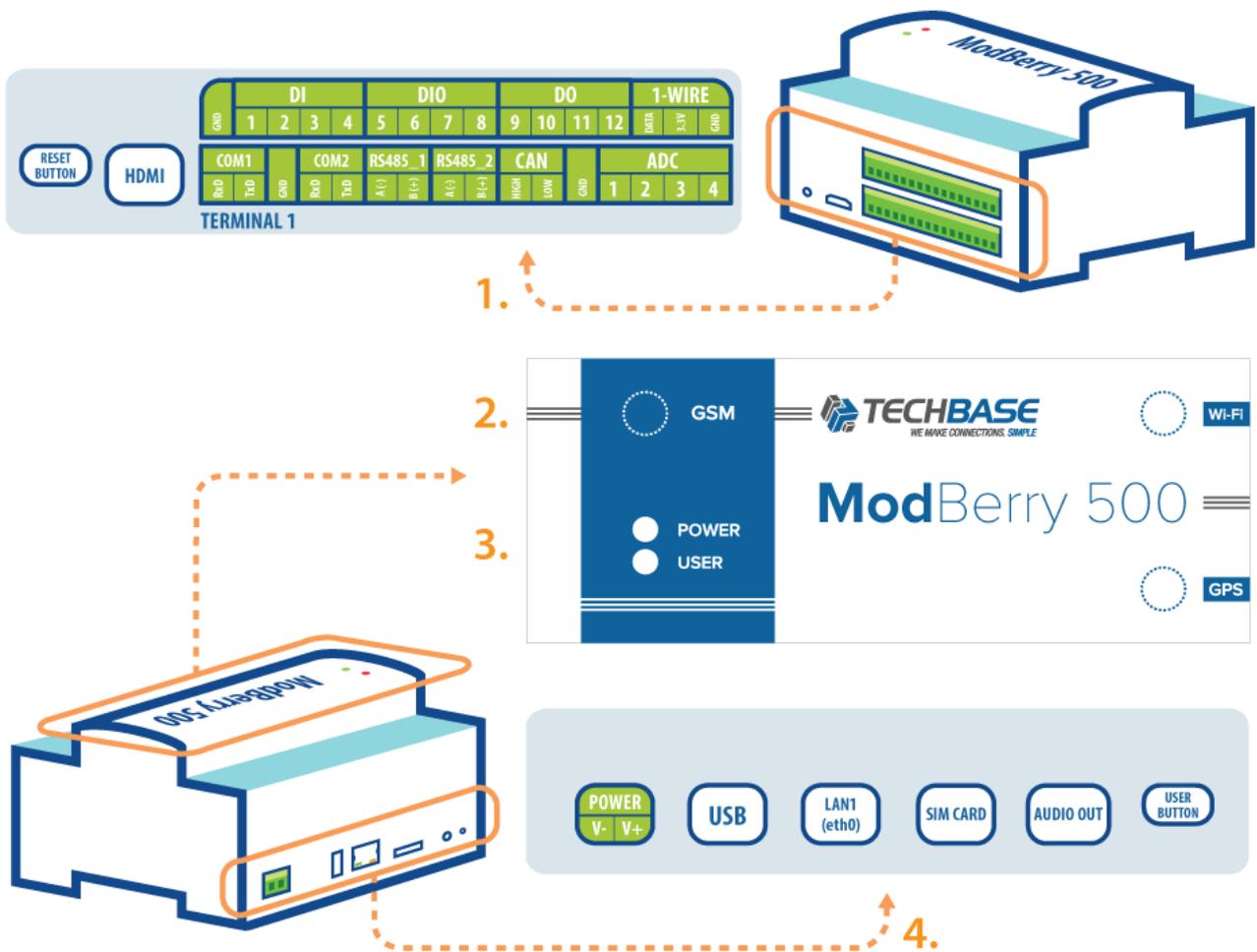
1. HDMI, DI/DO, 1-Wire, RS, CAN, AI Connectors + RESET button
2. GSM antenna connector
3. LED indicators
4. Power connector, USB, Ethernet ports, SIM Card slot, Audio output port*, USER button

*)Audio output port available on request

Powering up

The first step is to connect the power supply.
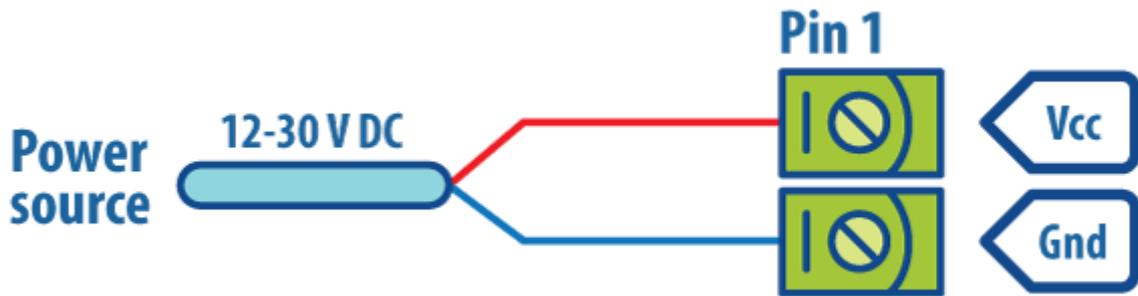
LED indicators

- **POWER** - Continuously lit when device is turned on
- **USER** - turned off by default - configurable by user

Checking IP

> ! DHCP is turned on by default, therefore Modberry will receive IP address dynamically.

- Use SearchNPE to detect Modberry devices on the network and to determine IP address. Find the application at http://www.a2s.pl/products/npe/SearchNPE_PZA2S.zip.

Legend:	
	Network connection via Ethernet port required
	Network connection via Ethernet port not required

SSH/Telnet connection

If the device is connected to the network and you know its IP address, you can connect by port 22

(default in SSH) e.g., using PuTTY in Windows or *ssh* command in Linux.
You can find PuTTY at following address: http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe

- **port 22**
- **Login**: pi
- **Password**: raspberry

3G Connection
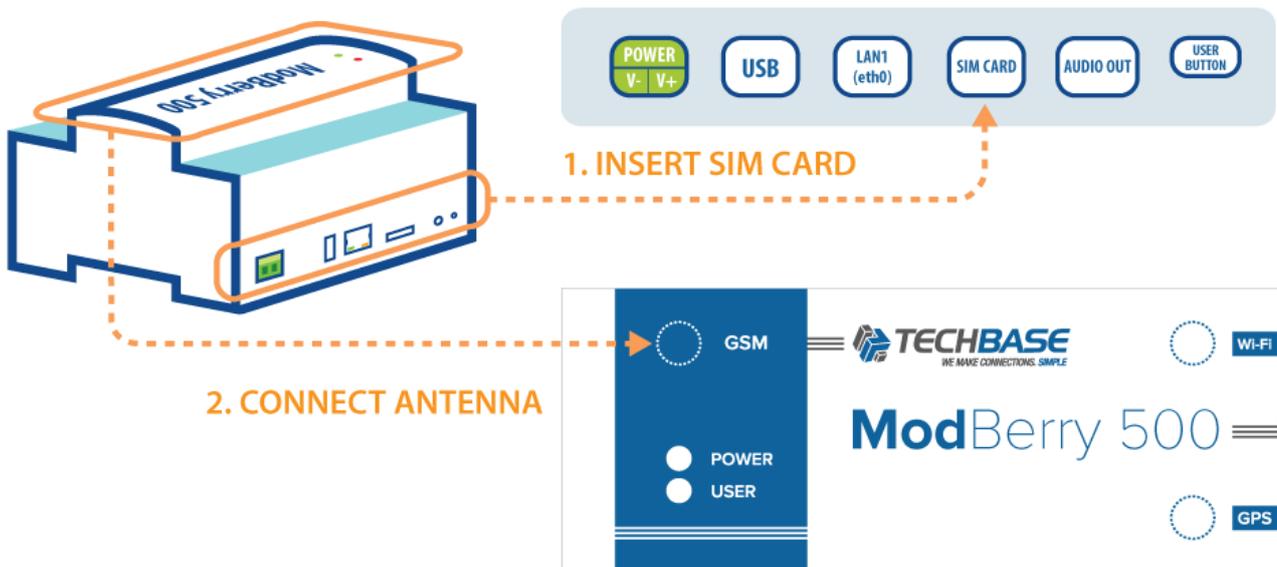
- Insert SIM Card into the slot on the side of the device
- Connect antenna to connector on the top of the device
- Connect via ssh to Modberry
- Use *sudo su*
- Run this command: *softmgr update 3g*
- If everything goes well, you will see such screen:

```
Sakis3G 0.2.0e




            ┤ Please select an action ├
   You can automate this selection by setting MENU variable on command line.

   Choose action for Sakis3G script to follow.

                        1. Connect with 3G
                        2. More options...
                        3. About Sakis3G
                        4. Exit


            <Ok>                        <Cancel>


```

- Hit Enter and then follow the instructions:
  - Choose USB device,
  - then HUAWEI,
  - then interface #2,
  - after that you will be asked for PIN, if your card is protected with it,
  - finally choose APN.
- You are now connected to Internet through 3G

```
Sakis3G 0.2.0e








                ┤ Notification ├

         MU609 connected to ^C (26001).

                    <Ok>




```

> You can use *3g_utility disconnect* to disconnect and *3g_utility connect* to restart the connecting procedure.

Software Startup

iModCloud

In order to register Modberry in iModCloud make sure your device is connected to the Internet via Ethernet port described in section 1.

- Type **demo.imodcloud.com** in your web browser
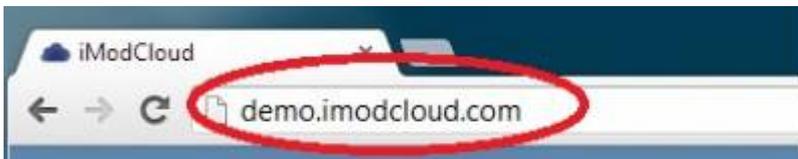
- Click **Register your device**
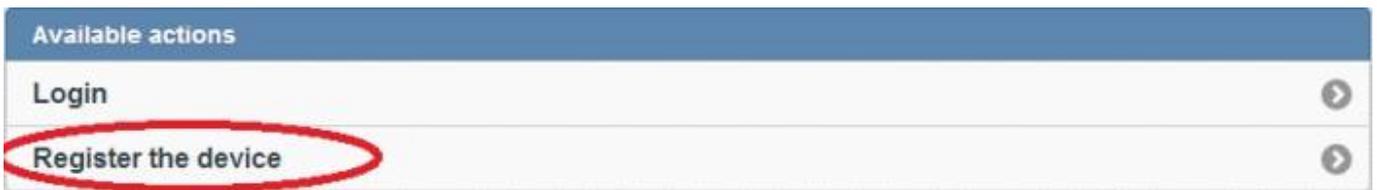
- Enter the register data:

- You will find register data on the label:
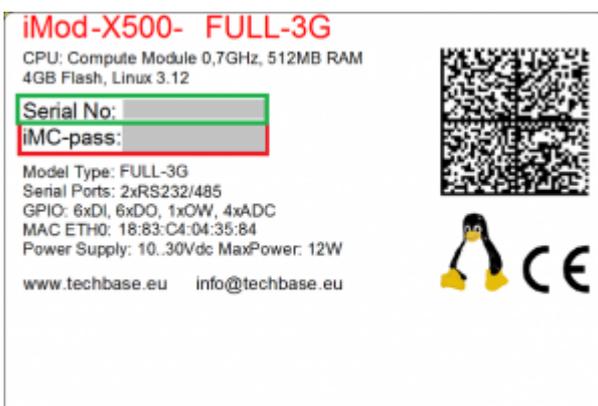
- **Activate your account**: activate your iModCloud account by clicking the button and filling in required information for your account:

Available actions
Activate the account

- After registering the device an activating the account you will see a similar view:

status	beep	ping	Odśwież parametry

2014-05-21 10:41

Device is online

Nazwa	Demo Unit #1
Device ID	30000058
Serial No	1883C40422C0
Model	iMod-9400RW-3G
VPN IP	10.8.55.3
ETH IP	192.168.7.134
GPRS IP	46.215.77.195
STATUS	
NX Dynamics	Open

- You can check if your device is properly connected by going to: Devices → *YourDevice* and clicking Ping or BEEP button at the top

If you have any problems with logging to iModCloud, don't hesitate to contact us.

Managing software packages

Following commands are to be used in terminal.

How to check what packages are installed

```
softmgr list
```

How to check for updates

```
softmgr checkall
```

How to update all packages

```
softmgr update all
```

Contact

- For further information on NPE and related products visit: http://www.techbase.eu/en
- The A2S.pl online catalog offers hardware and software products for purchase: http://www.a2s.pl/en
- For more information on iModCloud visit: http://www.imodcloud.com/en/

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— *Quick start guide v. 1.3.2 dated 2014/10/17 15:13*