Metis

Electricity Meter Reading Android Application
user manual

Date:
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Index

Thank you for purchasing Metis android application, this manual explains the instruction for using this product. Read this manual before using your Metis android application. Keep this manual within easy reach, and use it.

1   How to read this manual

1.1   Symbols in this manual

In this manual, some important items are described with the symbols shown below. Be sure to read these items before using this product.

| Note | Indicates information to which you should pay attention when using the product |
| Step | Follow instructions one by one |

Other than the above, this manual also describes information that may be useful for the operation of this product with the following signage:

| Tip | Describes handy information that it is useful to know when using the product |

1.2   Screens

In this manual, the screens and the using of product in windows are described for Windows XP, Vista, 7, 8, 8.1 and 10. In addition, the screens in android are described for android 4+ and they may differ depending on used android device. You can find them with the following signage:

| Figure | Screens in Windows / Android operating systems to better understanding of how to use this product |

2   Application overview

Metis is an android application for reading electricity meters, which in addition to having all the features of previous readers, has brought unique appearance and performance features. The new user interface, the ability to create a variety of reports and charts, and the ability to install on a variety of phones and tablets, are just some of the features of this application.

3   Login

First page of this application after running is Login, you have to enter your username and password to login and enter to the application (figure 1).
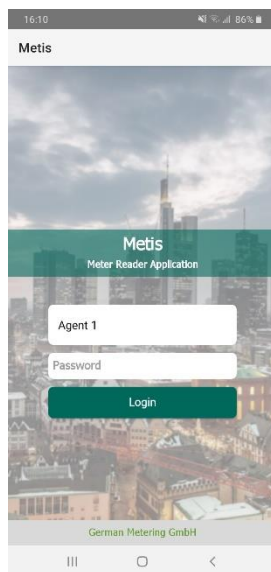
Figure 1

4   Home Page

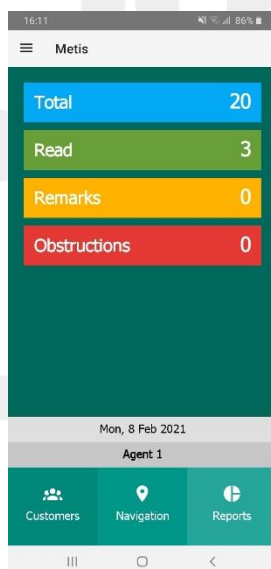This is the home page of application (figure 2). The description of each button will follow.

Figure 2

4.1   Customers

Touch "Customers" from the home page (figure 3).
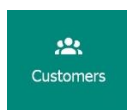

Figure 3

At the very top of the strip, there is a summary of the operations performed for the customer. We will list all possible operations (figure 4).
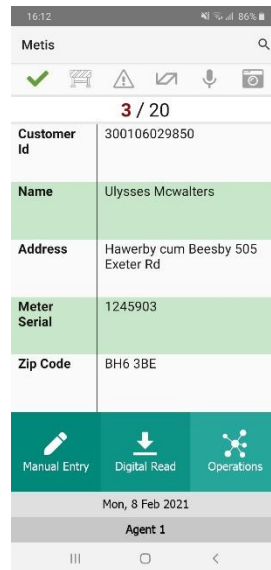
Figure 4

In the upper part of the page, there is general information containing identification number, name, address, meter serial number and zip code.

Tip: Swipe to going to the next/previous customer.
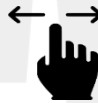
If you choose "New face" in setting, the customer page will be changed to a new design with list order instead of page order to display customers (figure 5).

Figure 5

There are three buttons in the bottom of the page for the main operations (figure 6).

Figure 6

4.1.1 Manual Entry

To enter the data manually, you can enter meter serial number, meter string, active 1-3, reactive 1-3 and then tap on "Save" button (figure 7).

Figure 7

4.1.2 Digital Read

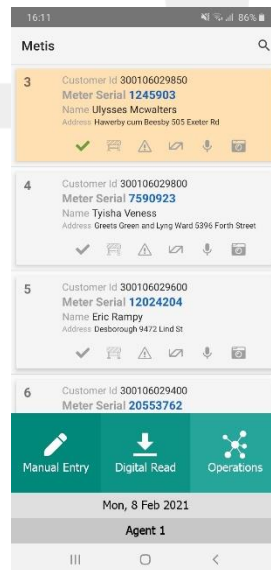For meter reading, after placing the probe on the meter, enter to the reading page. After connecting, the meter model and the progress of the reading is displayed on the screen (figure 8).

Figure 8

Tip: To read special meters (meters with different connection method) in the customer page tap and hold your finger on "Digital Read" button (figure 9), then select meter model from list (figure 10).

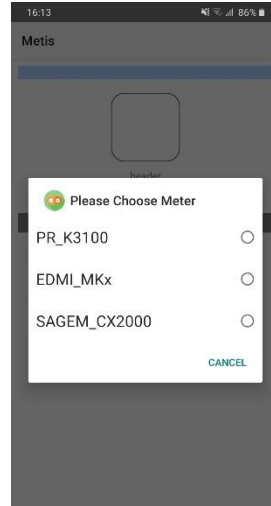*Figure 9*

Document Code: GM-HLP-0410-2202-009-03

Figure 10

4.1.3 Operations

This button (figure 11) will display a menu of the following operations (figure 12):

- Obstructions
- Remark
- New Customer
- Contradiction
- Unauthorized Customer
- Picture
- Sound
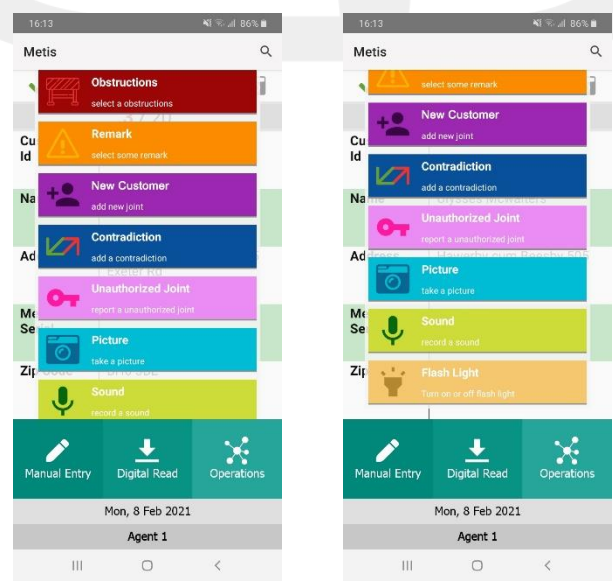- Flash Light

Figure 11

Figure 12

4.1.3.1 Obstructions

Sometimes there is a problem with meter reading! for example, meter is behind a door and it is broken and user can't reach the meter to read it, then user have to register a barrier in application. If the reading is not possible, touch "Obstructions", the reason can be selected from the list on this page (figure 13).

Figure 13

4.1.3.2 Remark

Sometimes there is a situation that user have to register it. for example, the cover of meter is broken! There is a list of common reading or meter status information that can be selected up to five items (figure 14).

Figure 14

4.1.3.3 New Customer

To add a subscription, complete each field and touch save button (figure 15).

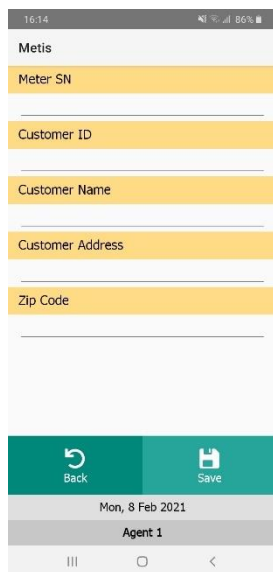Document Code: GM-HLP-0410-2202-009-03

Figure 15

4.1.3.4 Contradiction

Sometimes meter serial number is different from registered serial number or there is a contradiction. In this cases user need to register the meter, user enter meter serial number, zip code, customer address and annex photo to customer's documents and tap on "Save" button (figure 16).
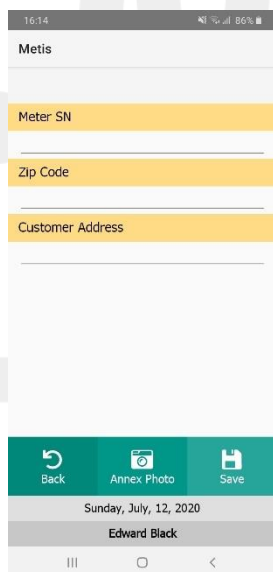

Figure 16

4.1.3.5 Unauthorized Customer

If there is an unauthorized customer between 2 customers, user can register it and annex photo to customer's documents and tap on "Save" button (figure 17).

Figure 17

4.1.3.6 Picture

Take picture and attach the photo of the desired situation to customer's documents. The list of all pictures is displayed (figure 18).
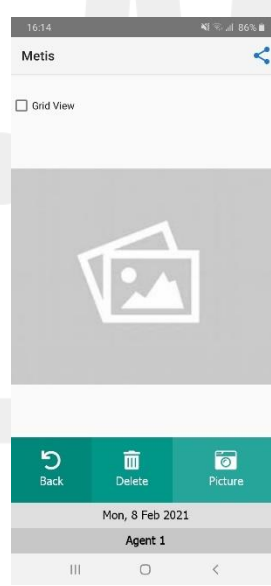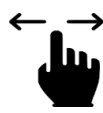

Figure 18

Tip: Swipe to going to the next/previous picture while showing pictures.

4.1.3.7 Sound

Record sound and attach to customer's documents. In addition, there is a list of your recorded sounds that you can play them back (figure 19).
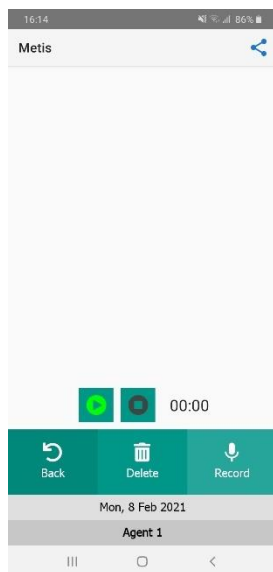
Figure 19

4.1.3.8 Flash Light

Turn on/off device flash light and use it as a torch in dark areas (figure 20).

Figure 20

4.1.4 Search

To find the specific customer, tap on search icon ⌕ in top right corner of screen and then type meter serial number or a part of it, in "New face" mode you can search name too (figure 21).

Figure 21

Reuterweg 65, 60323 Frankfurt am Main, Germany
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www.german-metering.com

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4.1.5 Icons

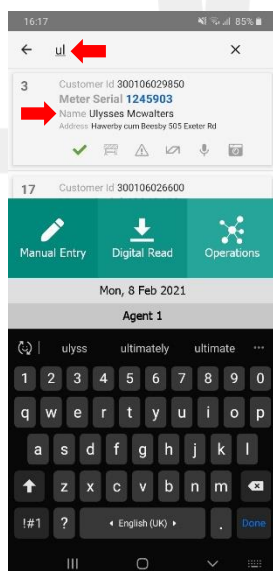There are 6 icons on the top of the page and in bottom of each customer in "New face" mode (figure 22):

- Read: It is active after reading meter
- Obstructions: It is active if you entered a barrier
- Remark: It is active if you entered a remark
- Contradiction: It is active if serial number of meters is different from registered serial number
- Sound: It is active if you recorded a sound
- Picture: It is active if you took a picture

Each icon can be activated or deactivated.

Figure 22

4.2 Navigation

Touch "Navigation" from the home page, Google map will be displayed and you can find your current location by touching ⊙ icon (figure 23).

Figure 23

4.3 Report

Touch "Report" from the home page, a donut and a bar chart will be displayed and you can see the "Read" and "Unread" number of recorded customers in donut chart and "Read", "Barrier", "Remark" and "Obstructions" number of recorded customers in bar chart (figure 24).

Figure 24

5 Menu

Touch menu icon ☰ in top left corner of screen or tap and drag your finger from left corner of your screen to the center, menu will be displayed (figure 25).
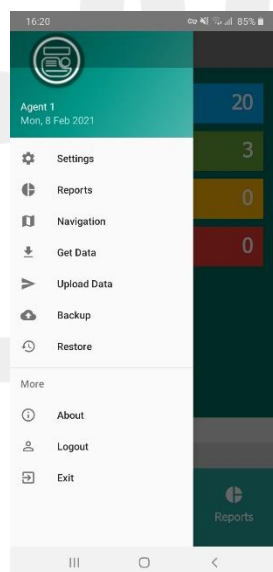

Figure 25

There are 10 items in menu:

1. Settings: To display settings page
2. Reports: To display reports page
3. Navigation: To display navigation page
4. Get Data: To get data from server
5. Upload Data: To send online reading data of meters
6. Backup: To create a new backup from database

7. Restore: To restore last backup and damaged database recovery or fill in blank database (administration access required)
8. About
9. Logout
10. Exit

The description of each item will follow.

5.1   Settings

The settings consist of 4 parts (figure 26):

- Probe Type: To choose what kind of probes you use (bluetooth or usb)
- Paired Devices: It will list the bluetooth paired devices
- Server Address: The address of server
- New Face: It will change the design view of customer page to display list order instead of page order
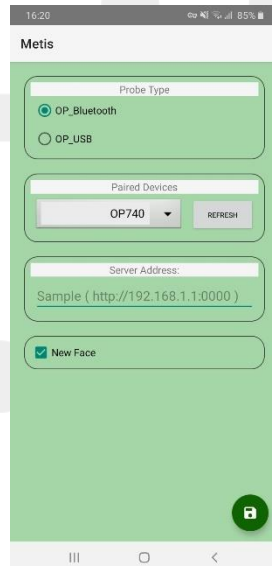

Figure 26

5.1.1   How to pair a bluetooth device

User can read data from meter by placing the bluetooth optical probe on the optical port place of meter and send read command to bluetooth optical probe by android application and receive data from it. If your probe is not paired with your android device then follow steps below:

Step 1: Turn your bluetooth probe on.

Step 2: Go to the bluetooth settings of your android device.

Step 3: Turn bluetooth on and wait to find your bluetooth probe.

Step 4: Select your bluetooth probe name and enter pin code if asked.

Step 5: Back to Metis settings page and select it from "Paired Devices" list. Tap "Refresh" button if you can't find it in list.

5.2 About

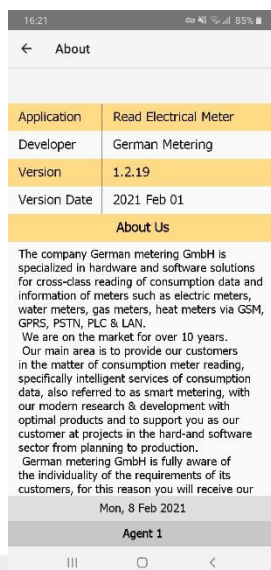Display about Metis application and some information about it (figure 27).

Figure 27

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