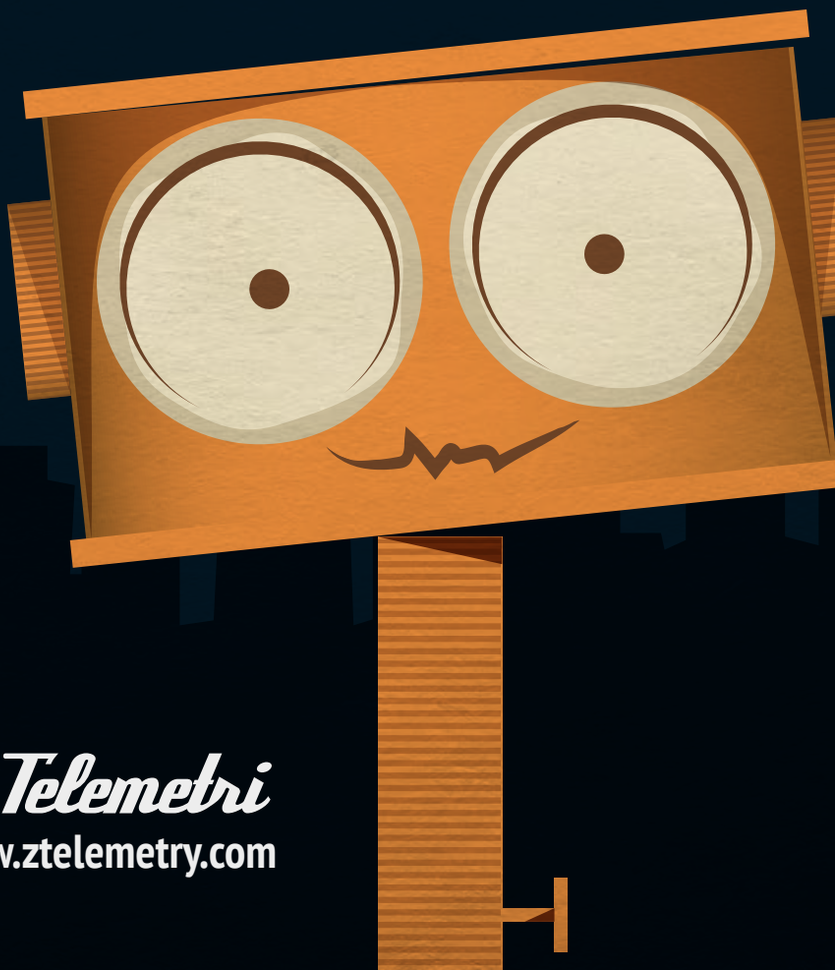
ZRobo

REDZ
SMART COMMUNICATION

METER READING *software*

USER MANUAL



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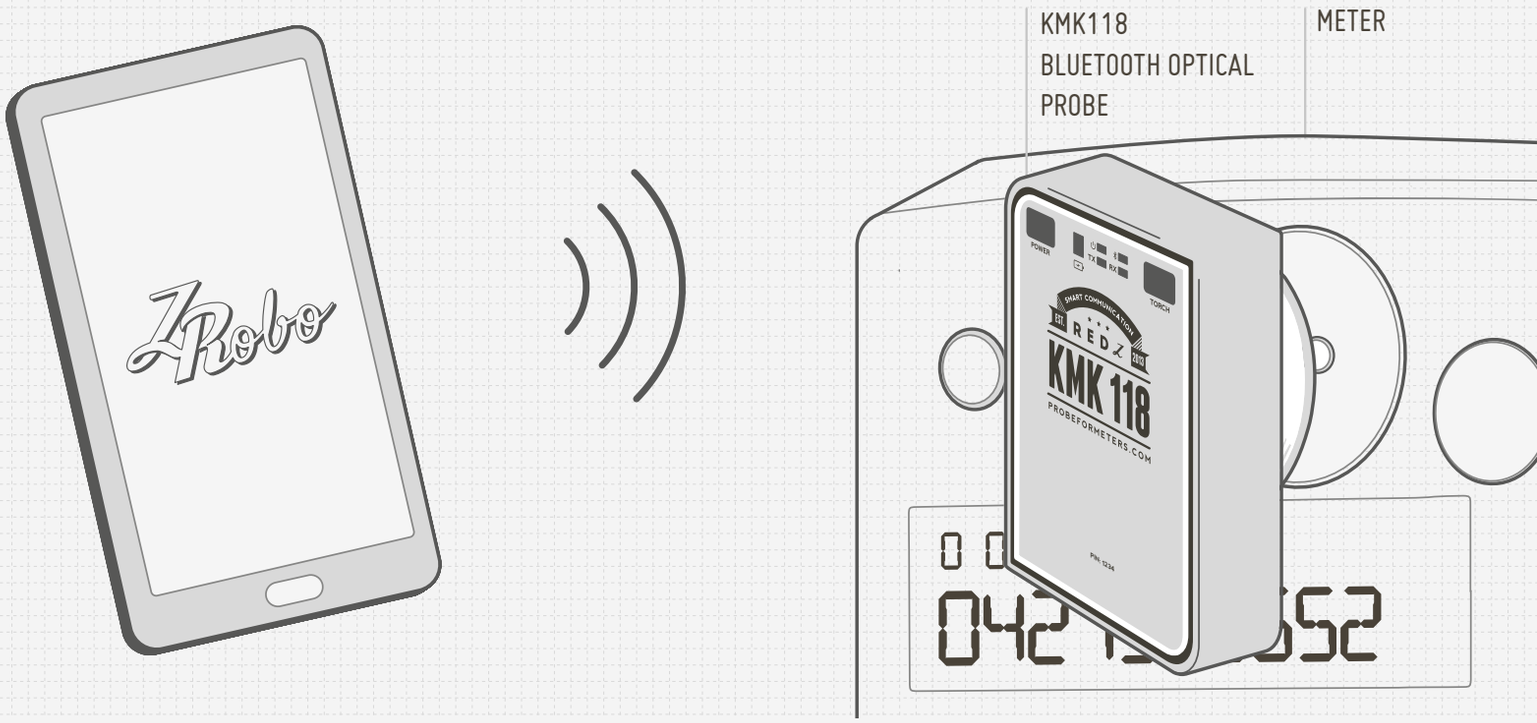
01

INTRODUCTION

You can easily read the counter values of electronic meters that communicate with IEC62056-21 (formerly known as IEC1107) and store data as text file with Android based devices, using ZRobo Software. This user friendly software is specially designed to be used with REDZ optical probes.



02

COUNTER READING WITH REDZ WIRED OPTICAL PROBES

Using a USB to micro USB converter cable, perform the physical connection between your meter reading device and REDZ wired optical probe, such as one of the KMK116 or KMK136 models. Then select and run the ZRobo Application which you have already installed.

Choose the serial probe option which you will use to read the meter

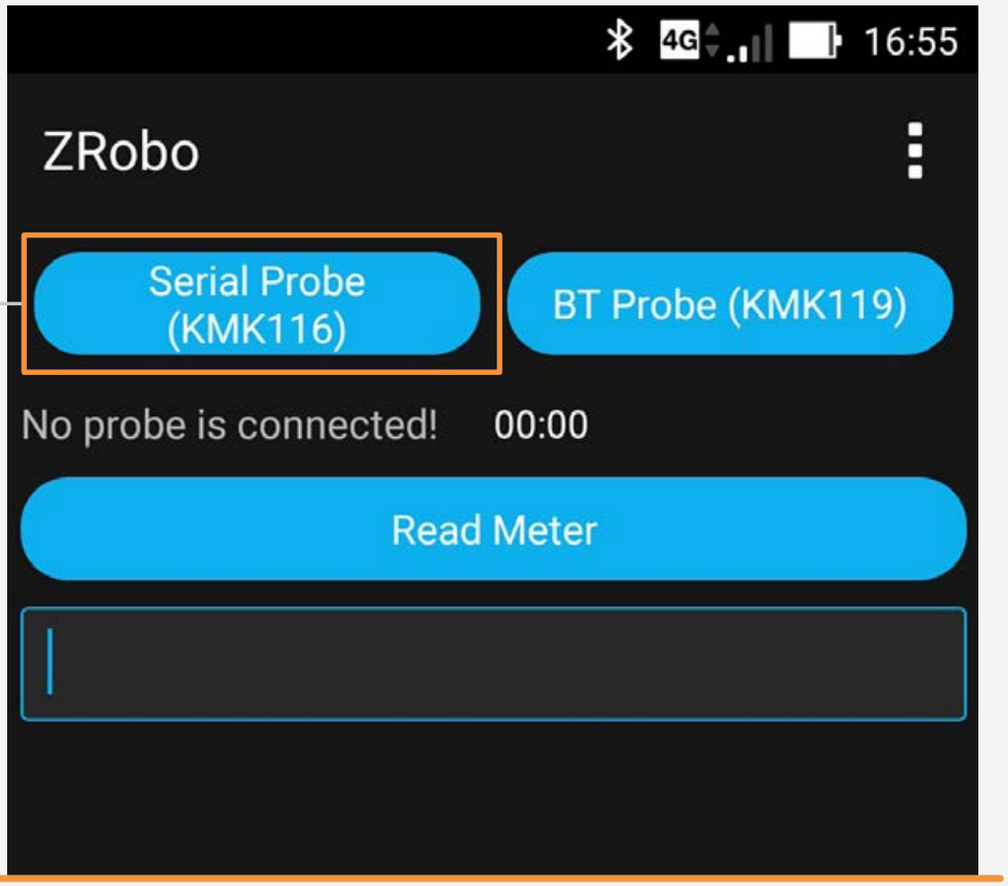


FIGURE 1

After selecting the serial probe and establishing the connection, ZRobo Application will automatically set the communication settings.

Enter the meter specific “Initial Baud Rate” value to read your meter. Usually it is 300 Baud

The connection port can be seen from this part

The serial settings of the software system can be seen from this part

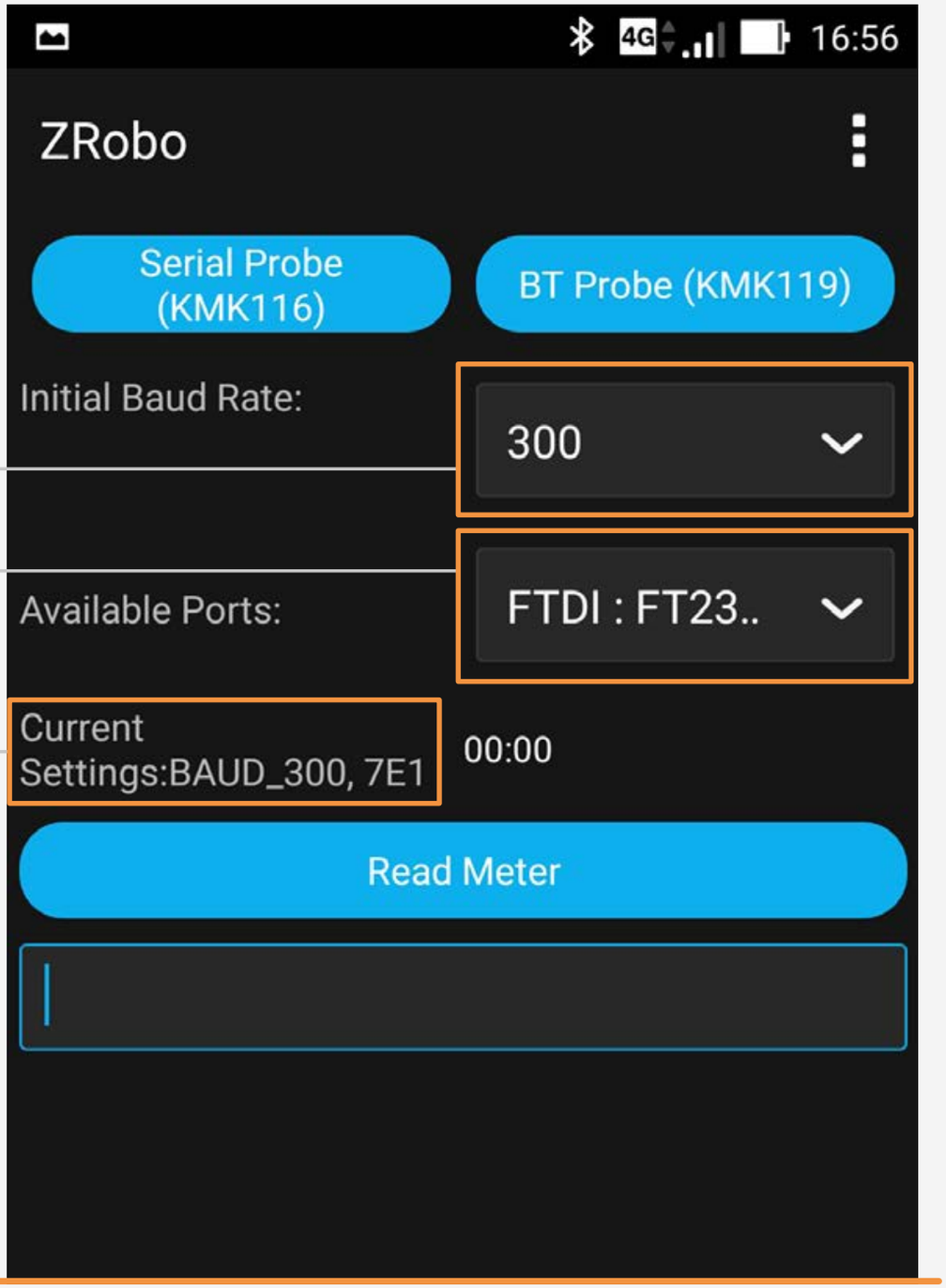


FIGURE 2

In order to read the meter values, press the “Read Meter” button. After that you can see the read values online. After the reading process finalized, you will see the “Reading Is Correct” message unless there is an error

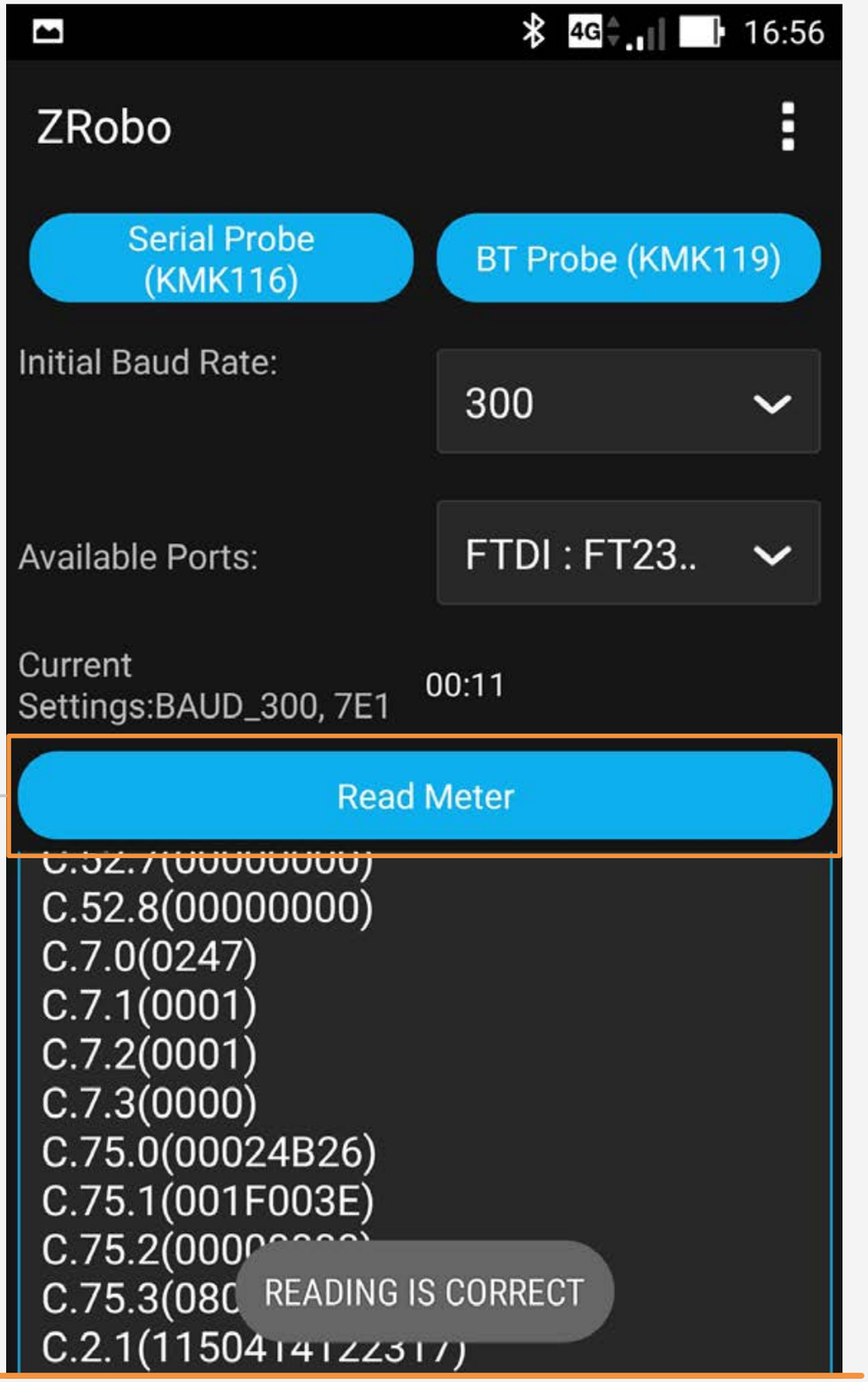


FIGURE 3

03

COUNTER READING WITH REDZ BLUETOOTH WIRELESS OPTICAL PROBES

First of all power up your REDZ Bluetooth Wireless optical probe, such as REDZ KMK119 or KMK118 model. Then enable the Bluetooth of your Android device which will be connected to the optical probe. After that you can open the ZRobo Application.

Choose the Bluetooth probe option to make connection with probe

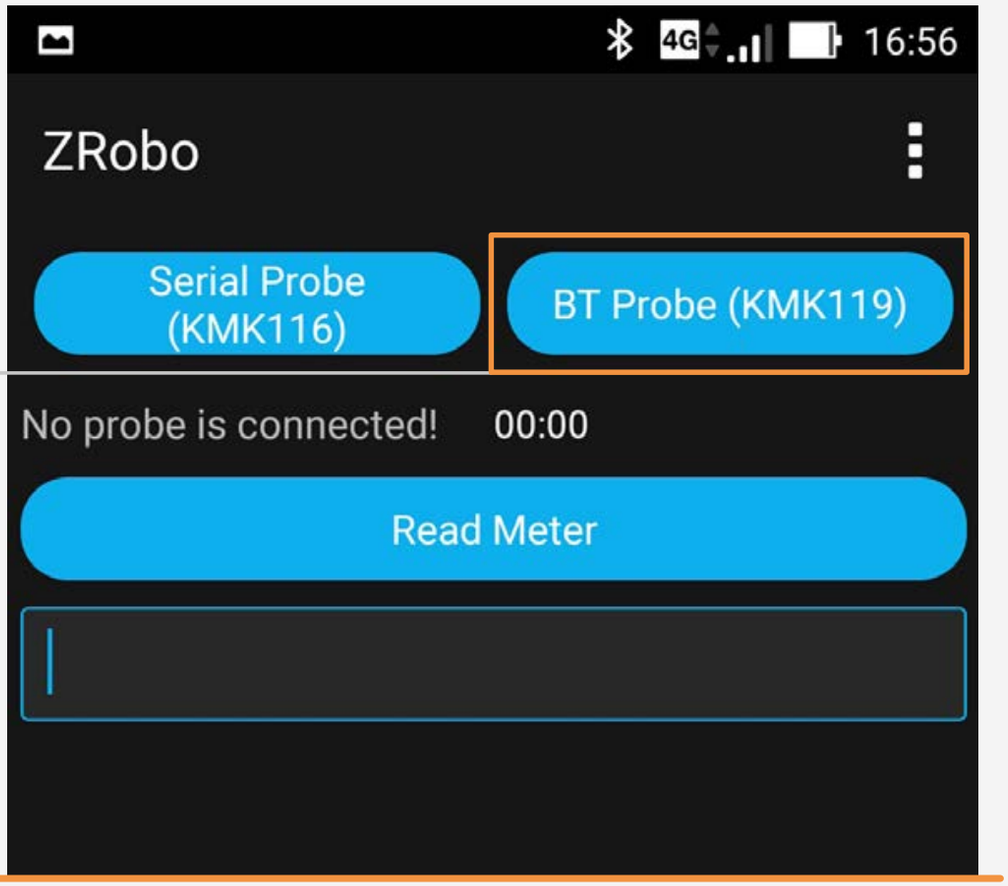


FIGURE 4

Select the Bluetooth Optical Probe from the list of previously matched devices

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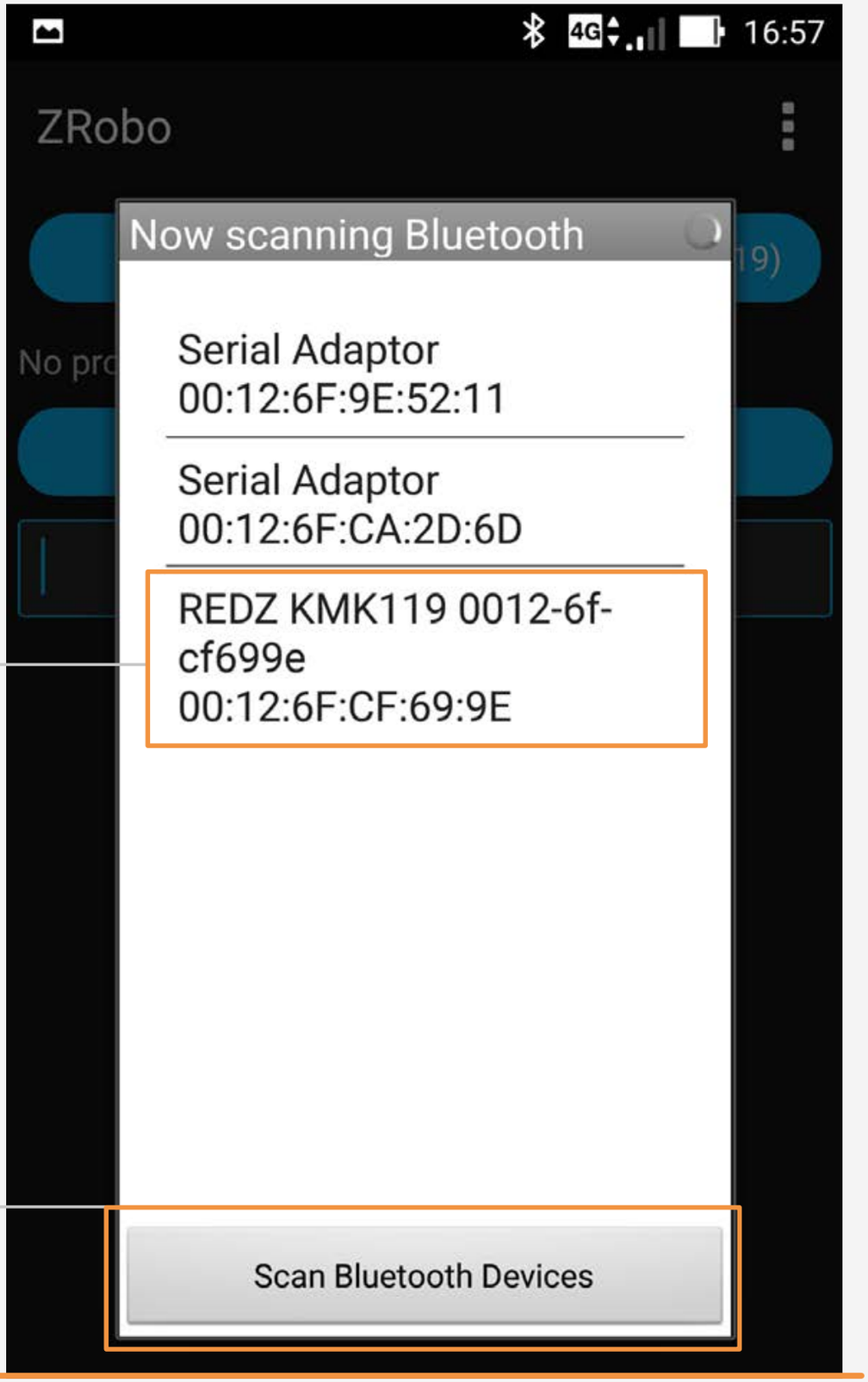


FIGURE 5

Choose the REDZ Bluetooth optical probe, ZRobo will ask you the device matching PIN code. Enter the default code “1234” into the box and press the “OK” button below

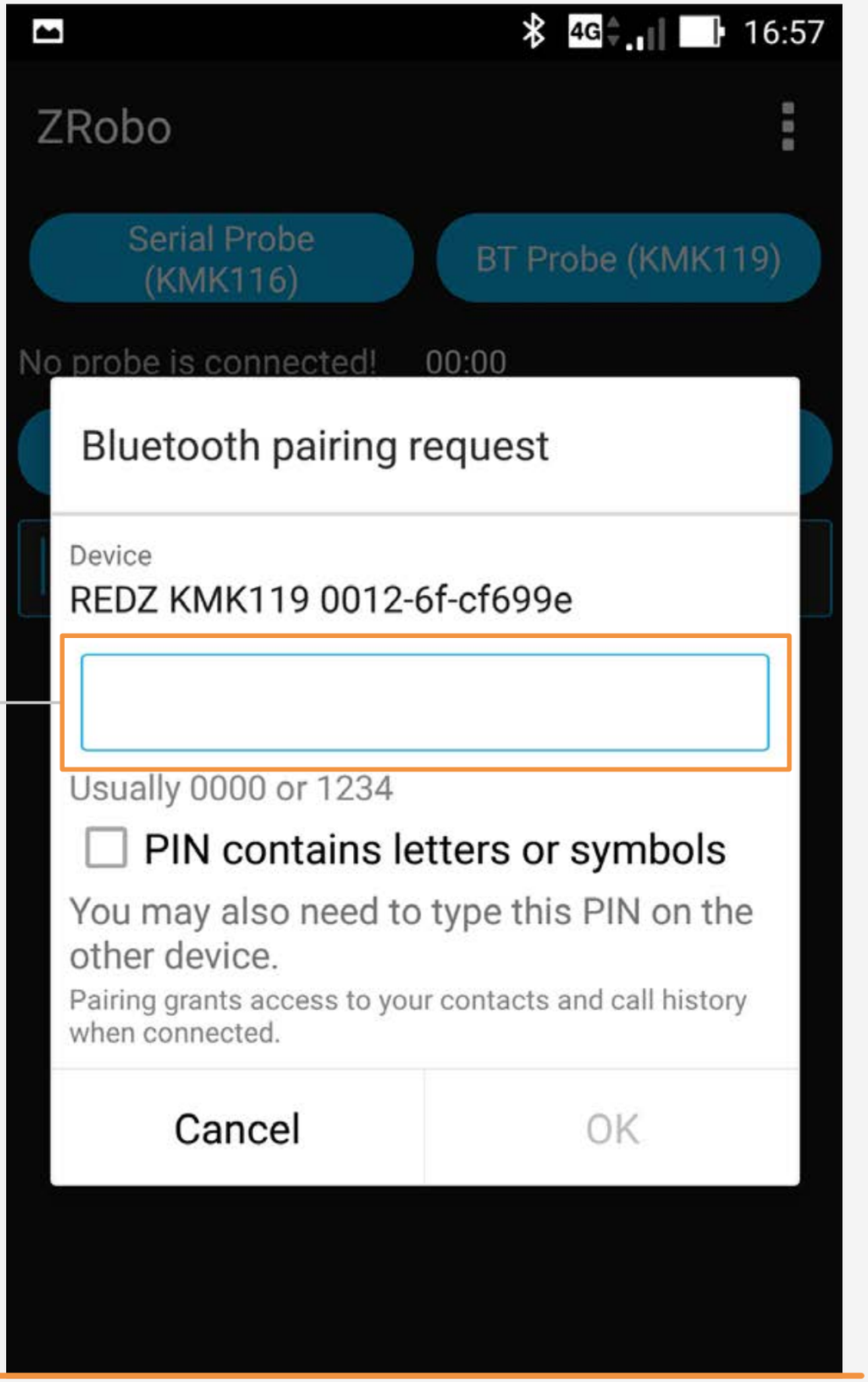
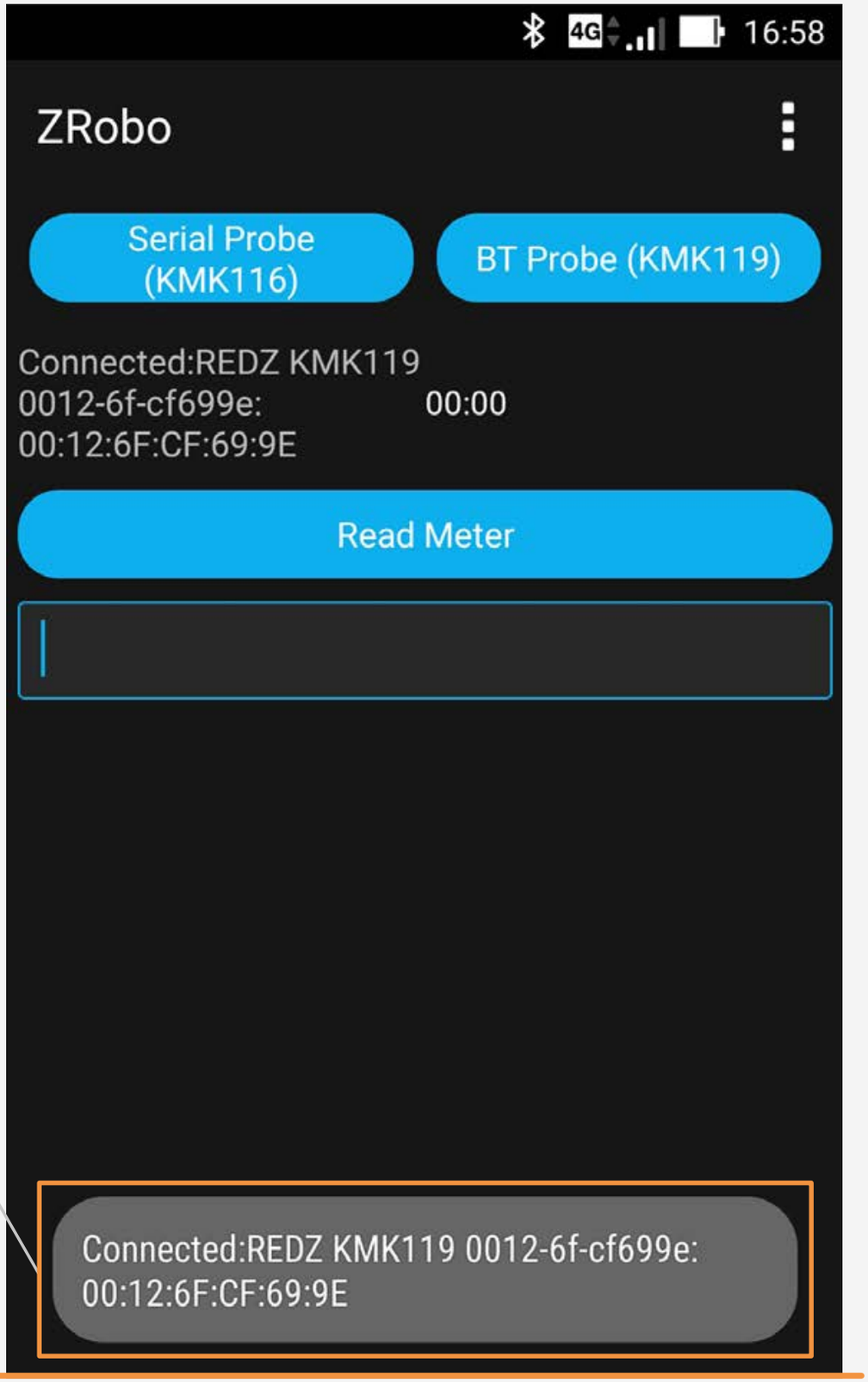


FIGURE 6



You can verify that the connection between your device and the Bluetooth optical probe is successful with the information message shown below

FIGURE 7

In order to read the meter data, press the “Read Meter” button. Then you can see the read data from the meter online

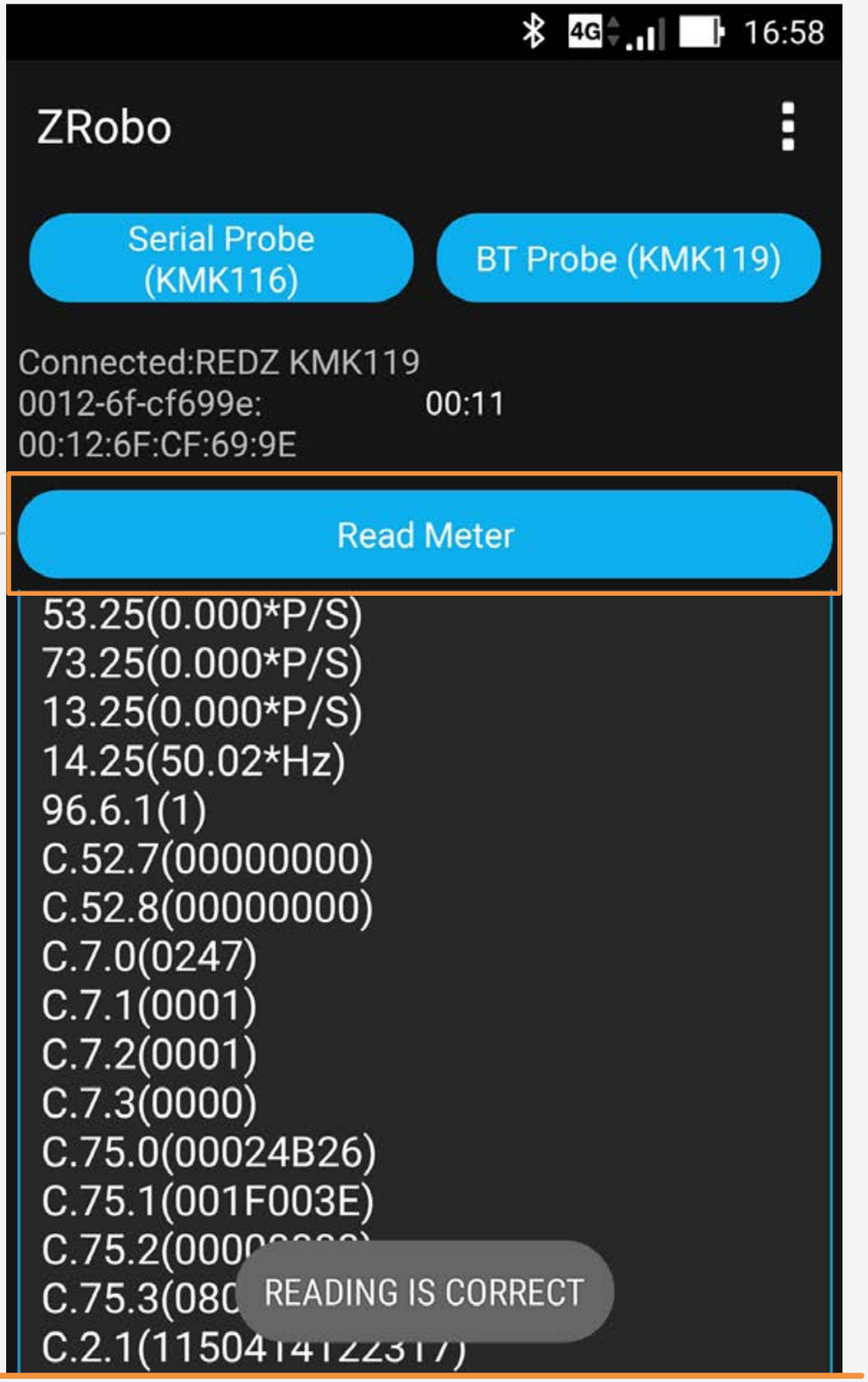


FIGURE 8

04

CONNECTION SETTINGS AND OTHER FEATURES

With the options button, you can access different features related to the usage of ZRobo Application.

Select options, to access ZRobo Application's settings and other features

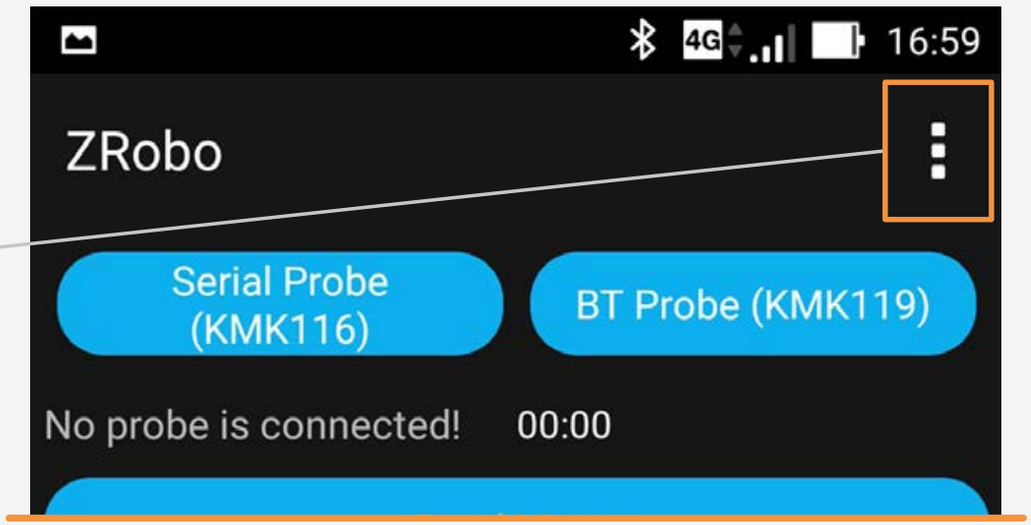


FIGURE 9

You will access; "About", "Settings" and "Show Saved Files" options menu

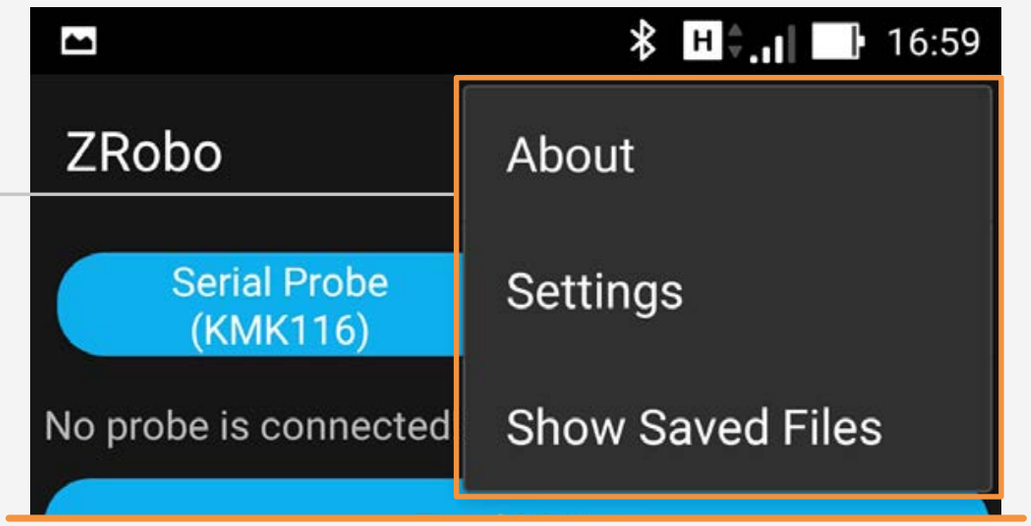
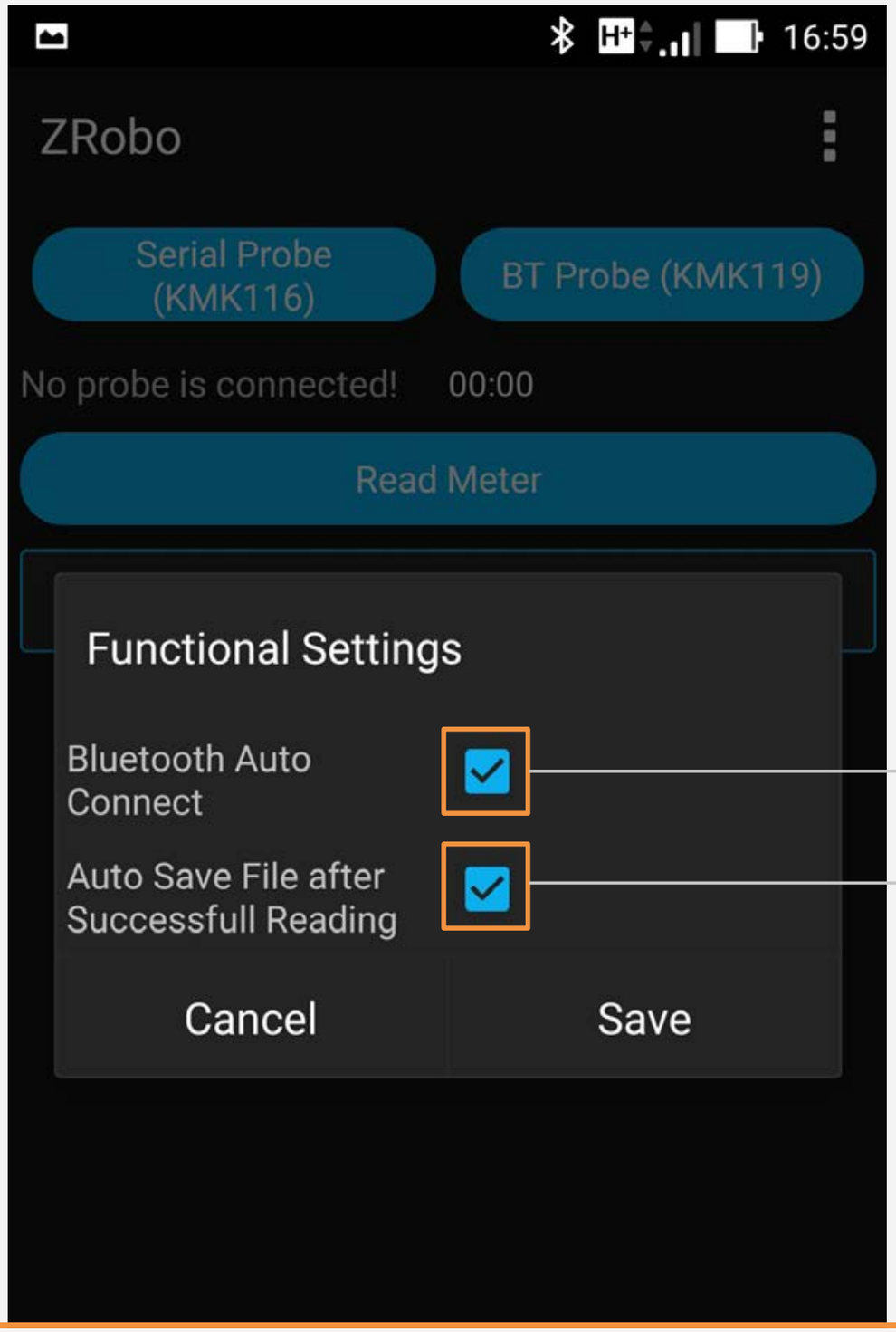


FIGURE 10

4.1. “SETTINGS” OPTION

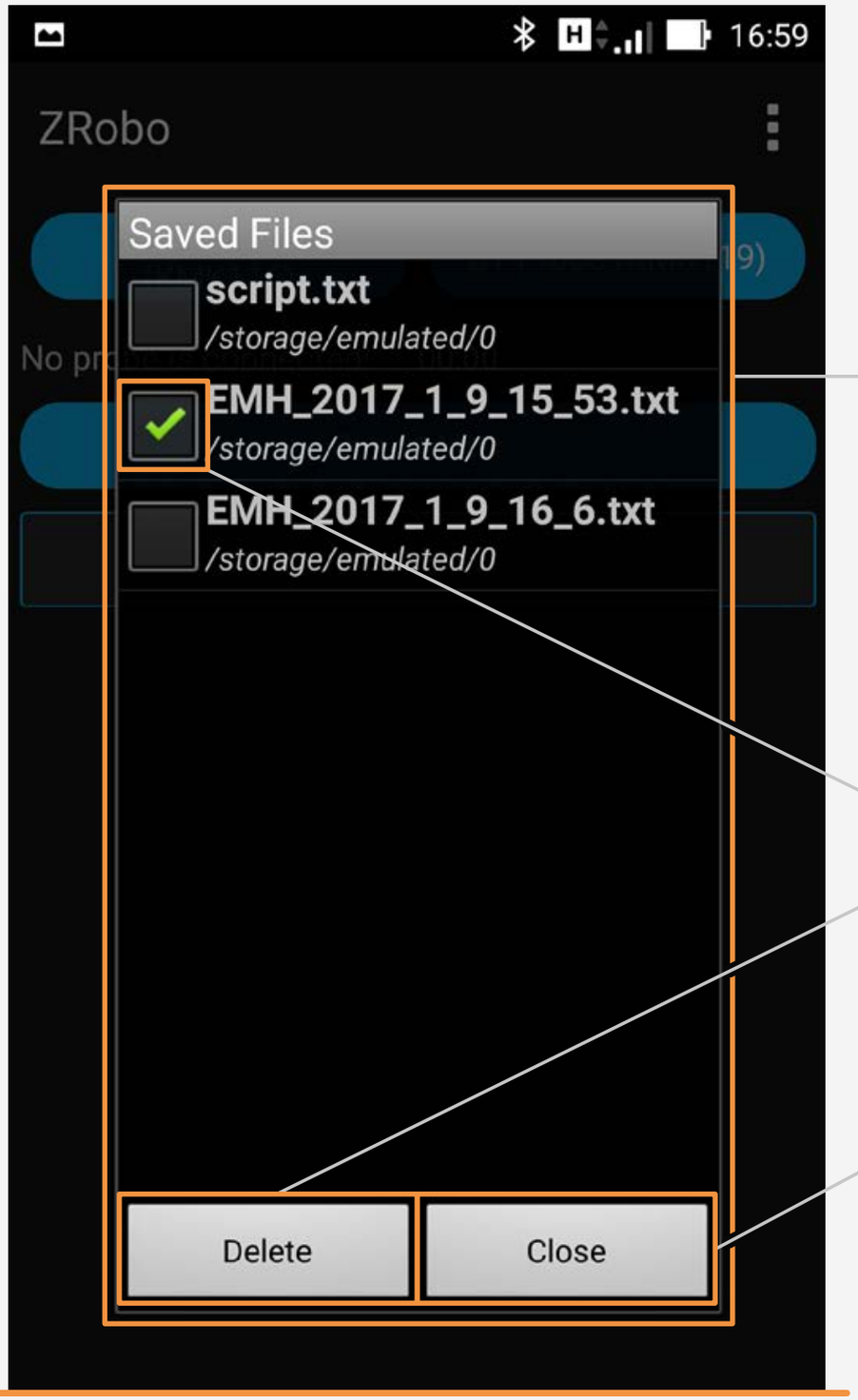


When “Bluetooth Auto Connect” is selected, ZRobo will automatically connect to previously matched REDZ Bluetooth Optical Probe next time the software started

When “Auto Save File after Successful Reading” is selected, read data from the meter is saved in “*.txt” format automatically after the successful reading process

FIGURE 11

4.2. “SHOW SAVED FILES” OPTION

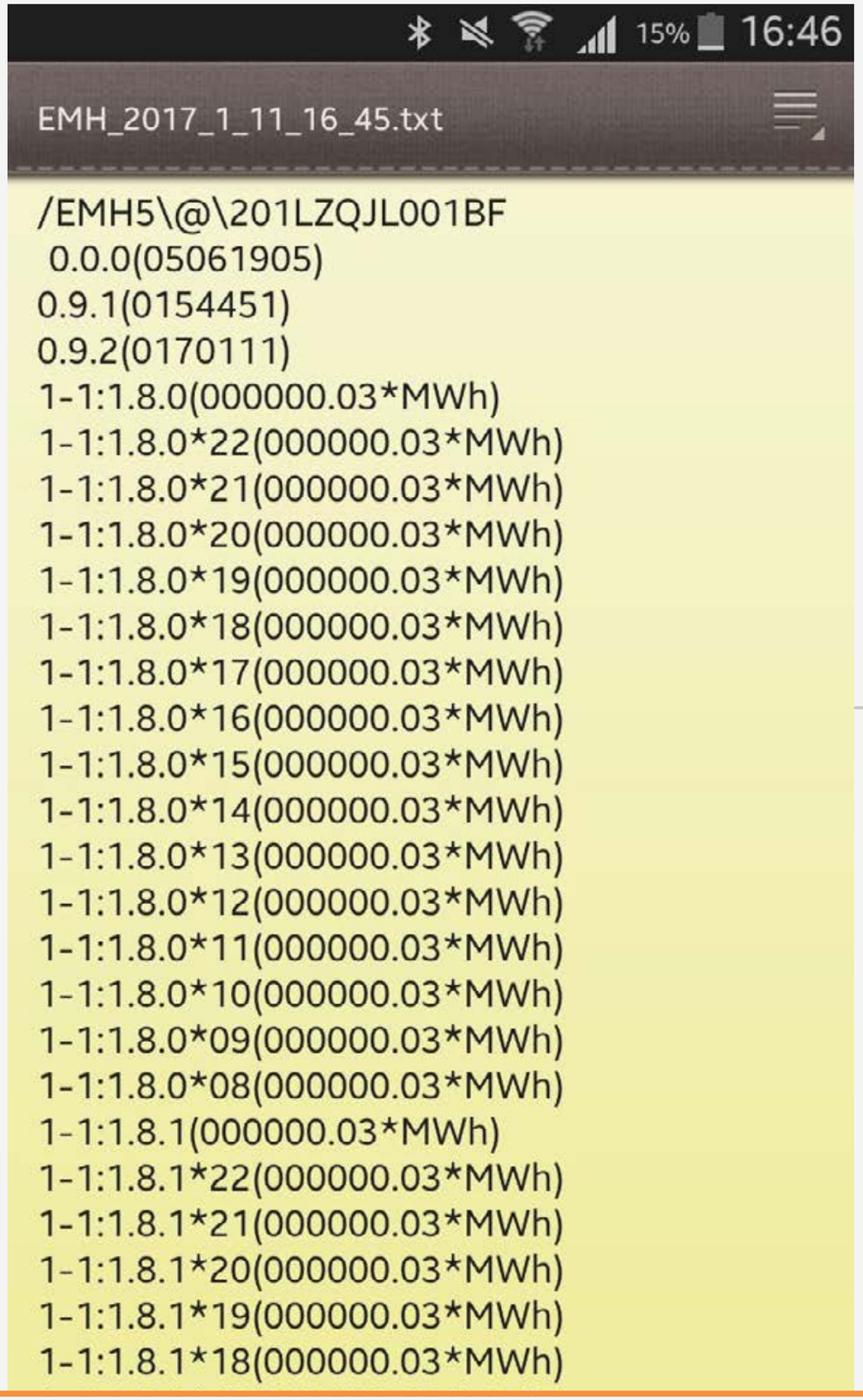


You can access the previously saved data files of the meters from this menu. When you press on the name of the saved text file, the file will be opened

In order to delete the text file, press “Delete” button after selecting the necessary files

In order to exit from this menu, press the “Close” button

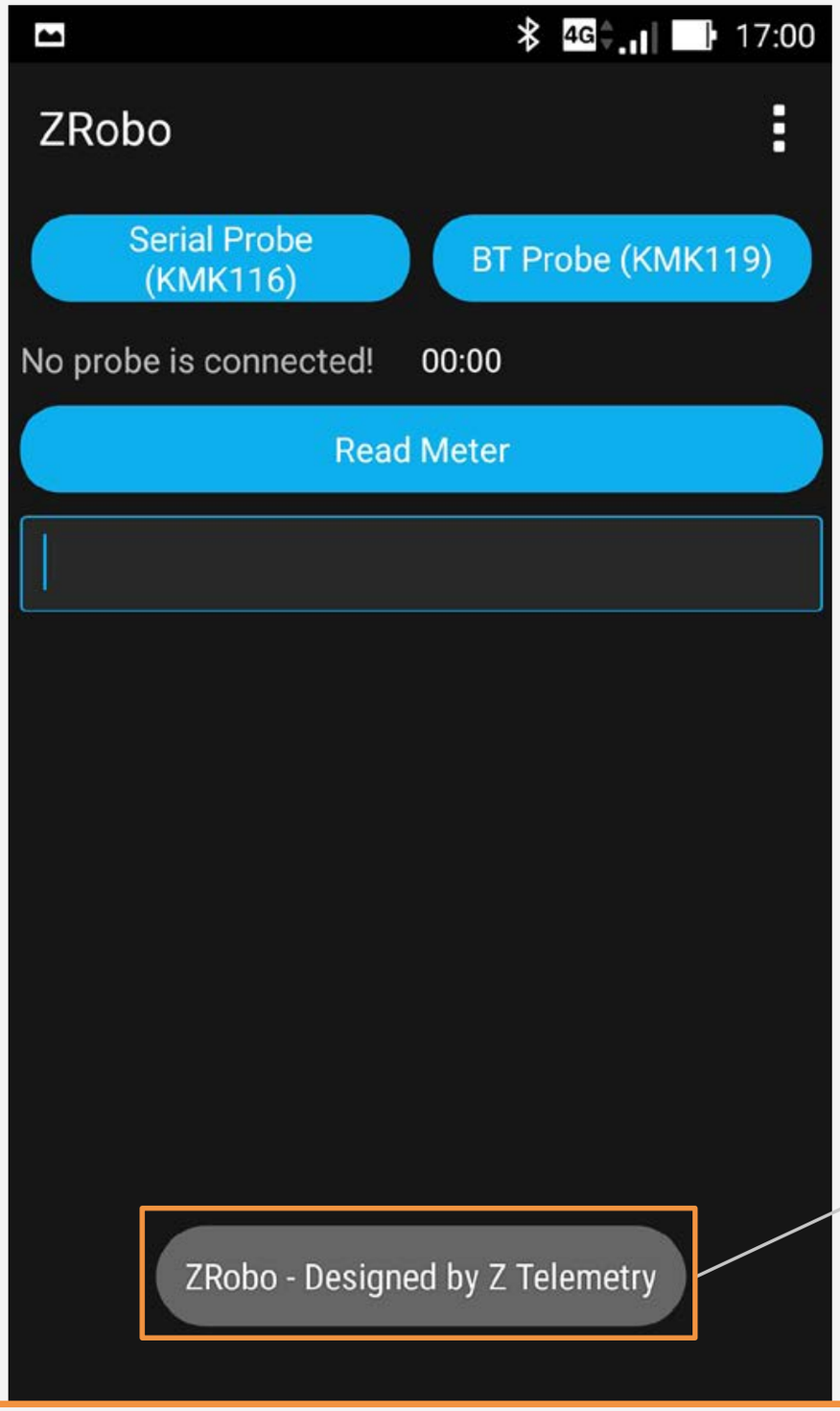
FIGURE 12



You can see the listed meter counter values in text file format when you press the file name

FIGURE 13

4.3. “ABOUT” OPTION



When “About” option is pressed system will show a brief explanation of the ZRobo Application

FIGURE 14