LC-ON THE GO™
Wireless WiFi Adapter
P/N 81538

Set-up and Connection Guide
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The documentation is only complete when used in combination with the relevant documentation for the wifi adapter.

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www.LCmeter.com

05/2017 LC-ON THE GO™ Wireless WiFi Adapter

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**WARNING**

Before using this product, read and understand the instructions.

Save these instructions for future reference.

All work must be performed by qualified personnel trained in the proper application, installation, and maintenance of equipment and/or systems in accordance with all applicable codes and ordinances.

Failure to follow the instructions set forth in this publication could result in property damage, personal injury, or death from fire and/or explosion, or other hazards that may be associated with this type of equipment.
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I. BASIC SETUP

Follow this Quick Start Guide to get your unit up and running fast.

The LC-ON THE GO™ WiFi Adapter contains the following items: wireless WiFi module and antenna. It requires a lap-pad adapter 81514 (single meter systems) or multiplexer box E25352 (dual meter systems).

1. Install antenna onto the Wireless WiFi module.

2. Plug the DB9 connector into the lap pad adapter or the RS-232 Lap Pad female DB9 connection on the multiplexer.

The WiFi adapter will receive power through the lap pad adapter or the multiplexer box. The green light on the adapter will illuminate when power is applied to the register.

3. Go to Settings or Wireless Network Connections to find the wireless SSID on your Apple or Android wireless device, or laptop computer.

Search for available WiFi networks. With power to the adapter, the wireless module will broadcast its own unique SSID. The default SSID is XpicoWiFi_xxxxxx, where xxxxxx are the last six characters of the unique xPico Wi-Fi serial number on the back of the adapter. For example, if the serial number on the label is 0080A3AO7AA0, then the SSID would be xPicoWiFi_A07AA0. Click on the XpicoWiFi SSID link to display the connect screen.

Note: The SSID can be customized by the user. (See section 5. Entering the Liquid Controls Configuration Mode.

Also required (sold separately):
Lap pad adapter (81514) for single meter system

OR

Multiplexer box (E25352) for dual meter system
4. Making the WiFi connection

The default security for the XpicoWiFi Soft AP is WPA2.

The factory default password is the same for all WiFi adapter devices.

**Password:** onthegowifi

Note: the password can be changed via the configuration interface (See section 5. Entering the Liquid Controls Configuration Mode)

5. Entering the Liquid Controls Configuration Mode

Connect to the WiFi via local Windows™ PC or Tablet.

Open a web browser and navigate to 192.168.0.1.

Enter default User Name and Password. (Note: both are case sensitive).

**User Name:** admin

**Password:** PASSWORD

![Windows Security dialog box](image)
I. BASIC SETUP

6. Default Key Configuration Settings

7. Changing the SSID:
Enter the Admin Screen and click on NETWORK, “LINK” and “Configuration”
Click on the SSID and assign a new SSID.
Click to submit the new SSID. The unit will update and disconnect. Re-establish the connection by finding the new SSID and entering the passphrase.

8. Changing the Password:
Enter the Admin Screen and click on NETWORK, “LINK” and “Configuration”
Click on Password and assign a new password.
Click to submit the new SSID. The unit will update and disconnect. Re-establish the connection by finding the new SSID and entering the passphrase.
9. Setting Up A Single Meter System

A single meter system consists of a meter, an electronic register and a printer. The ON THE GO WiFi adapter may be used to communicate with the register using Lap Pad adapter 81514. Connect the Lap Pad adapter to the printer and data cable (81513-series). Connect the ON THE GO WiFi adapter to the lap pad adapter. The green power light on the ON THE GO WiFi adapter will illuminate when the system is powered. A separate power supply is not required.

Note: The J10 jumper on 840405 board must be in the B position.

NOTE: If you will be using LCRHOST on a Laptop computer, leave the J3 block connector disconnected on each board.
10. Setting up a Dual Meter System – Existing System.

A dual meter system consists of 2 meters, 2 electronic registers, a multiplexer box and a printer.

a. Set the Internal Jumpers. Using a 5/64” Allen wrench, remove the 8 black socket head screws and remove the cover of the multiplexer box.

b. Locate JP5 and move the jumper from the CTS position to the 12V position.

c. Replace the cover on the multiplexer box.

d. Connect the ON THE GO WiFi adapter to the RS-232 LAP PAD female DB-9 connection on the front of the multiplexer box.

e. The green power light on the ON THE GO WiFi adapter will illuminate when the system is powered. A separate power supply is not required.

f. Verify the position of the J10 jumper on the 840405 board inside the LCR-II or LCR600. The J10 jumper must be in the B position.

NOTE: If you will be using LCRHOST on a Laptop computer, leave the J3 block connector disconnected on each board.
### IV. CONNECTING TO A NEW DUAL METER SYSTEM

#### 11. Setting up a Dual Meter System – NEW System.

A dual meter system consists of 2 meters, 2 electronic registers, a multiplexer box and a printer.

a. Set the Internal Jumpers. Using a 5/64” Allen wrench, remove the 8 black socket head screws and remove the cover of the multiplexer box.

b. Locate JP5 and move the jumper from the CTS position to the 12V position.


d. Replace the cover on the multiplexer box.

e. Install the Multiplexer and connect the printer. Install the multiplexer in its final location and make sure it is grounded properly. Next, plug in the data and the power cable into the front side of the multiplexer. Plug the other end of the cables into the back of the printer.

f. Connect the ON THE GO WiFi adapter to the RS-232 LAP PAD female DB-9 connection on the front of the multiplexer box.

g. The green power light on the ON THE GO WiFi adapter will illuminate when the system is powered. A separate power supply is not required.
IV. CONNECTING TO A NEW DUAL METER SYSTEM

h. Connect Register Data and Power cables. Run the register’s data and power cables through split loom, under the vehicle and connect them to the multiplexer box as shown:

i. Set up the Register’s Communication Protocol
NOTE: Make sure the register is powered OFF before moving the jumper or the cables.

In order to communicate with a computer device, the cabling must be modified inside both register heads.

• Remove the RED and VIOLET cable from terminal block J3 and wire them into terminal J2.
• Move the RED wire from pin 46 on terminal block J3 to pin 24 on terminal block J2.
• Move the VIOLET cable from pin 48 on terminal block J3 to pin 25 on terminal block J2.

j. The green power light on the ON THE GO WiFi adapter will illuminate when the system is powered. A separate power supply is not required.

Move jumper to B position for ON THE GO WiFi

Move the RED and VIOLET cable from 46 & 48 to terminal block J2 on 24 & 25 respectively.

NOTE: If you will be using LCRHOST on a Laptop computer, leave the J3 block connector disconnected on each board.
V. CONNECTING TO EZ COMMAND OR EZ COMMAND LITE

12. Using the ON THE GO™ WiFi Adapter to Connect to EZ Command or EZ Command Lite

a. Connect ON THE GO WiFi Adapter to a Lectrocount register using a lap pad adapter or multiplexer box.
b. Turn power on. The green power light on the ON THE GO WiFi Adapter will illuminate.
c. Connect to the WiFi adapter via a local PC or tablet.
d. Open EZ Command or EZ Command Lite on the PC or tablet.
e. Select the Tools tab at the top of the program window

f. From the Tools drop down menu, select Setup Communication:

![Setup Communication](image)

g. In the Setup Communication window, select IP Config. Enter Local IP Port, Node IP Address, and Node IP Port as follows:

![Setup Communication](image)

SPECIFICATIONS FOR P/N: 81538

SECURITY/PROTECTION . . 256-bit AES Encryption

BAUD RATE . . . . . . . . . 19200 bps – setting from the factory

DATA RATES AVAILABLE . . 300 bps to 921,600 bps

THRESHOLD . . . . . . . . . 100 bytes

PROTOCOL . . . . . . . . . TCP

LOCAL PORT . . . . . . . . 10001

CONNECTOR(S). . . . . . . Serial: DB9 - DTE (male)

ANTENNA . . . . . . . . . 4.3 inch WiFi Antenna

Omni-directional ‘Rubber Duck’ Antenna, 2.4 GHz, 2.5 dBi, Reverse SMA, 50 Ohm, 20W

TEMPERATURE RANGE

Operating Range . . . . . -40°C to +85°C (-40°F to +185°F)

Humidity Range . . . . . 0% to 90% non-condensing