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LC-ON THE GO[™] Wireless WiFi Adapter

P/N 81538

Set-up and Connection Guide





PUBLICATION UPDATES AND TRANSLATIONS

The most current English versions of all Liquid Controls publications are available on our web site. It is the responsibility of the local distributor to provide the most current version of LC manuals, instructions, and specification sheets in the

required language of the country, or the language of the end user to which the products are shipping. If there are questions about the language of any LC manuals, instructions, or specification sheets, please contact your local distributor. The documentation is only complete when used in combination with the relevant documentation for the wifi adapter.

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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.



Also required (sold separately):

Lap pad adapter (81514) for single meter system



OR

Multiplexer box (E25352) for dual meter system



- 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_ xxxxx, where xxxxx 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 0080A3A07AA0, 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.



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 Securit	×
iexplore The server 192.168.0.1 is asking for your user na	e and password. The
server reports that it is from config. Warning: Your user name and password will be authentication on a connection that isn't secu	ent using basic
admin	
✓ Remember my credentials	
	OK Cancel

I. BASIC SETUP

6. Default Key Configuration Settings

Product Information		
Product Type:	+Pica/NK	
Firmware Version	1.4.8 3R28	
Build Date:	Oct 22 2015	10.65.25
Serial Number:	008M3A37A	40
Optime:	0 days 07:32	01
Permanent Config:	taved.	
Network Settings	COLUMN STATE	50150
MAC Address:	00.80.A3.A0	IA.AD
Interface ap0		
State	Up	
\$SID:	XplcoiA#LA	17AA8
Security Suite:	9842	
IP Address:	192.168.0.12	1
Interface witerill		
Connection State:	Disconnected	0
Line Sotings		
Line 1: LCR	19200, None. Tunnië	B. T. None
Line &	5600, None 6 Command Lin	1. None
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Turnhel 2:	Inhibited	Inhibited

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Une	State:	CEnabled Disabled	Enabled	
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Batwork	Data Bits:	10	0	
And a state of the	Stop Bits:	10	1	
Uniore	Flow Control	None	None	
WILAN PROTISIA	Orp Timer;	«Four Character Poliods» milliseconds		
	Threahold	100 bytes		

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Woders	Protocol.	104 🔁	
Ernsletter	Plush Line:	C Enabled C Disabled	
HITP	Block Line:	Enabled Obsabled	
lideath	Block Network:	Enabled Clashied	
Pewer	Pessward.	(#)	
Umm			
WLAN Profiles			

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.

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Device Disgrammen Discovery			
The Contemp	All second second		
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ettip Line	Access Po	Dint ap0 Configuration	-
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erspe Jone Renderer Denstaation Renderer	Access Po SSID: Guest: Channel:	XuouWP1 % 6	1
ettik Joa Dodam Dodam Dodam Dodam Dodam Dotaci	Access Po SSID: Guest: Channel: Suite:	xpound ap0 Configuration xpounder \$5.66 * Enabled Obsabled 1 WPAX O	
e (* 129) Jones Dorschaftson Hanniber K 179 Nelwork Nelwork	Access Po SSID: Guest: Channel: Suite: Encryption:	xpenumers to 6 xpenumers to	
ef 119 Line Dockey Dockey Rondellen Norther Notes Notes Ladie	Access Po SBID: Guest: Channel: Suite: Encryption: Passphrase:	Krowner See S	

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.

		ap0 wlan0	These sellings periods to the Access Pased in the device. Changes take affect instructurely. After taken of the taken on
Clock		Interface Link	
Disgrammen		Status Configuration	
File System HTTP	Access Po	Access Point ap0 Configuration	
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	Channel:	1	
Network	Suite:	WPA3 -	1.1
Roway (Encryption:	RCCMP TKIP	
Nº N. DO	Passphrase:		
the set of the	Mode: Always Up Y		

II. CONNECTING TO A SINGLE METER SYSTEM

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.



Lap pad adapter (81514) for single meter system



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

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.

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.

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.
- c. Jumpers JP1, JP2, JP3, JP4 and JP7 should be positioned on the right.
- 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.
- Move the J10 jumper to the B (485) position.
- 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.



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

WitnessCourt Littermand - Version	126		CHILL NO.
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No LCR Connected	No Coofigura	tion File	18 May 2017 19 39:28

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

File Edit Tools Help	- 1		
Connect to LCI Diegnostic M	lode Connand I		CR Stells
Connect To LO Disgnostic L	soging to MAY	anor EZ	
Find LC Setup Comm	uncation anch pypert	Sheet.	
Auguration POS Satings Pana	g Transactions Flack Softwara		
PresecordDelivery GeneralStee	p System Setza Consider Setza Di	agrontes Secury Takes	
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g. In the Setup Communication window, select IP Config. Enter Local IP Port, Node IP Address, and Node IP Port as follows:

tup Communication			and the second se	-
Retries: 2 ·		Timeout (ms): 100	0	
IP Config		🙁 Serial Config		
IP Configuration		Senal Configurati	on	
Local IP Port	7050_	PortName		
Node IP Address	192 168	0 Tx Enable		
Node IP Port	10001	Baud		
	Test Connect	lion		
	Test Node:	1		
		Ping		
	Cancel	Save	Done	

SPECIFICATIONS FOR P/N: 81538

SECURITY/PROTECTION 256-bit AES Encryption	
BAUD RATE	
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



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