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**FLUKE®**

# **1742/1746/1748**

**3 Phase Power Quality Logger**

## **Connect to Logger**

PN 5041162

February 2020

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## ***FLUKE CONNECT® APPLICATION AND SERVICES END USER LICENSE AGREEMENT (EULA) AND SERVICES AGREEMENT***

For complete details, go to <https://connect.fluke.com/eula>.

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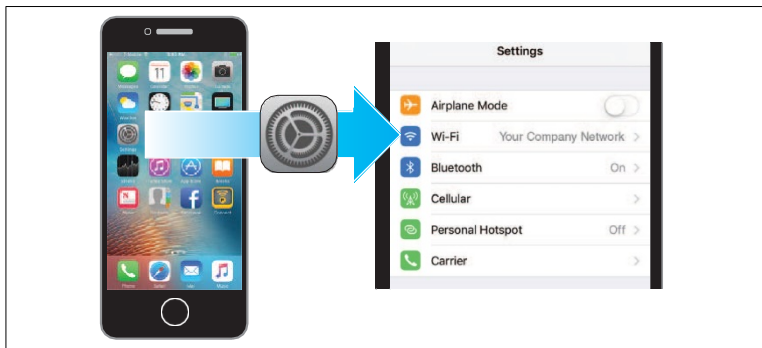
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Ленинградский проспект дом 37,  
корпус 9, подъезд 4, 1 этаж

## ***Connect to Logger***

### ***Step 1: Use the App to Talk to the Logger***

1. With the Fluke Connect app, go to **Set Up Logging or Monitoring > Power & Energy Monitors/Loggers > Power Quality Logger**.

2. When prompted, go to **Settings > WiFi** on the smartphone.



3. From the list of available WiFi Access Points, select the Logger:

**Fluke174x<SerialNumber>**

Password: **fluketools**

4. Click **OK** in warning message about Internet access.

*Note*

*It is normal to see the WiFi symbol with an exclamation mark in the status bar on the mobile phone.*

5. When WiFi connection is complete, go back to the Fluke Connect app and log in to the Logger.

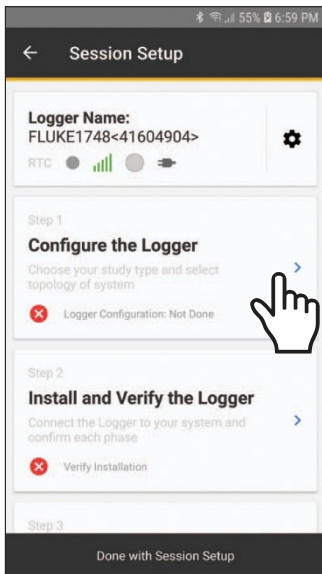
The factory default is:

User name: **admin**

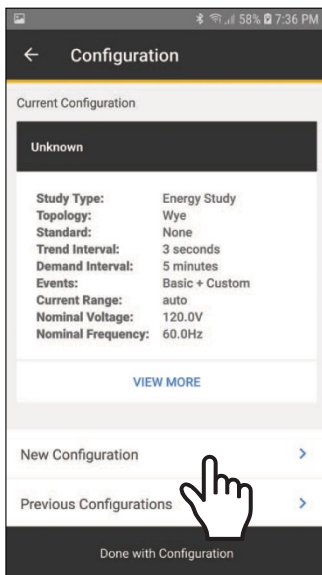
Password: **admin**

## Step 2: Configure the Logger

1. With the Fluke Connect app, go to **Configure the Logger**.



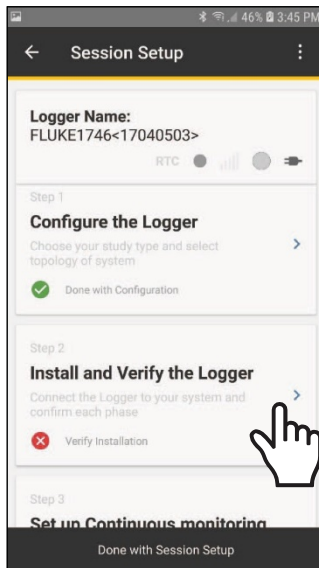
2. Tap **New Configuration** to make a new measurement configuration.



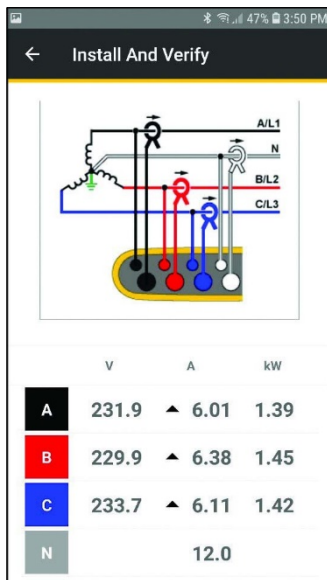
3. Tap **Previous Configurations** to load, edit, and apply a stored configuration template. Scroll down the screen to see all the information.
4. Tap **Done with Configuration** to continue.  
The app updates with a green check mark.

### Step 3: Verify and Correct Connections

1. Tap **Install and Verify the Logger**.



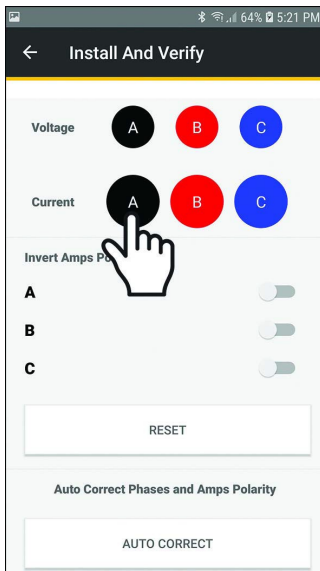
2. Verify that the connections are correct.




3. Scroll down the screen to see all the information.



4. To switch phases, hold finger tip on phase and drag. To invert polarity on a current sensor, activate the slider for that clamp.



5. To cancel changes, tap **RESET**.
6. Tap **AUTO CORRECT** and allow the app to automatically correct the connections for phase and amps polarity.
7. Tap  to return to the Session Setup window.

When the verification is complete, tap **Done with Session Setup**.

8. Tap **Set Up Remote Monitoring** or **Local Logging**.

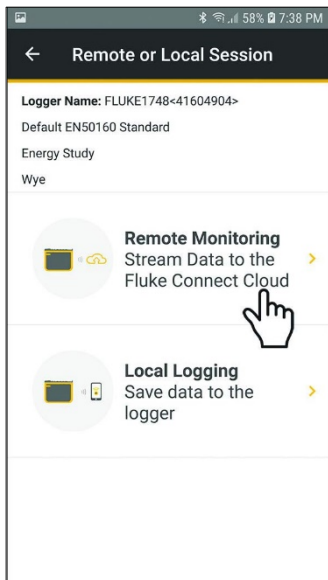
The app prompts you to select the type of monitoring session:

- For *Remote Monitoring*, see **Step 3a**.
- For *Local Logging*, see **Step 3b**.

Scroll down the screen to see all the information.

## Step 3a: Remote Monitoring

### 1. Tap **Remote Monitoring**.

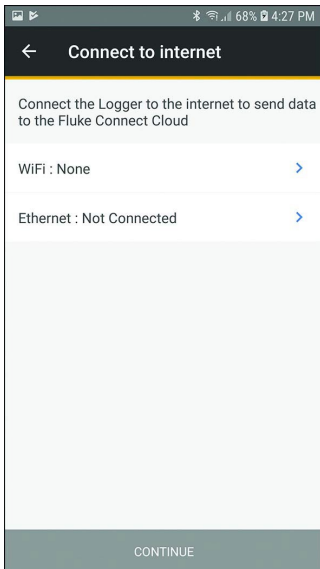


#### Note

*Remote Monitoring requires:*

- *Installed Remote Monitoring License*
- *Installed WiFi-Infrastructure License (for WiFi connection to access the Internet)*
- *Valid subscription to Fluke Remote Monitoring (included with the Remote Monitoring license)*

2. Configure the connection to the Internet.



3. Tap **CONTINUE**.

4. Tap **Session name**.

Start Session

Logger Name: FLUKE1748<41604904>

1s Trend

Energy Study

Wye

Session name  
ES.008

Asset name  
Motor

	V	A	kW
A	229.1	▲ 5.49	1.26
B	224.5	▲ 4.66	1.01
C	225.6	▲ 5.35	1.20

Start Remote Monitoring

5. As an option, create a custom name for the session and use the **Description** field to enter more details about the measurement.

For information about the maximum length and allowed characters, see the Help file for *Energy Analyze Plus* software.

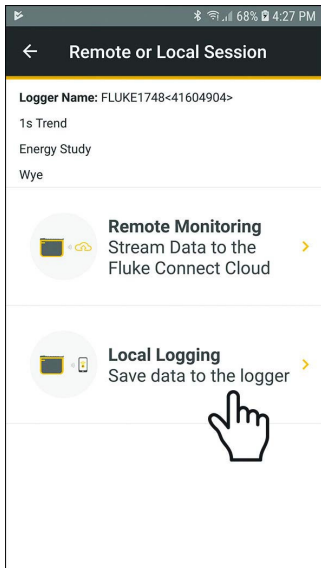
6. Assign the measurement to an Asset.  
Use available assets from the list or create new asset groups and assets. See *Assets* for more information about how to create and configure assets.
7. Review the live readings. If connections are not correct, correct before you continue.
8. Tap **Start Monitoring**.
  - a. The Power LED on the Logger starts to flash.
  - b. The WiFi or Ethernet LED flashes blue to indicate successful upload of measurement data to Fluke Connect Cloud.

If the WiFi or Ethernet LED is not flashing blue:

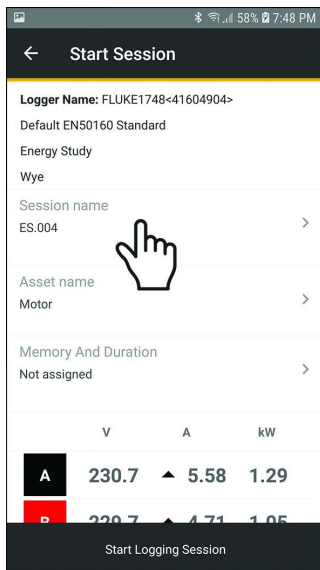
- Check the WiFi or Ethernet connection settings in the Logger. Make sure the selected WiFi access point still available.
- Check that the WiFi or Ethernet network has access to the Internet.

### Step 3b: Local Logging

1. Tap **Local Logging**.



2. Tap **Session name**.



3. As an option, create a custom name for the session and use the **Description** field to enter more details about the measurement.

For information about the maximum length and allowed characters, see the Help file for *Energy Analyze Plus* software.



4. Assign the measurement to an Asset, tap **Asset Name**.

*Note*

*You must assign measurements to an Asset when local logging is uploaded the Fluke Connect Cloud.*

5. Review the live readings. Scroll down the screen to see all the information. If connections are not correct, correct before you continue.

*Note*

*In Memory and Duration are options for how to record data. The linear memory model stores data until the configured recording period elapses. The circular memory model stores data until the session is manually stopped. If all storage memory is used, the oldest data is overwritten with new data.*

6. Tap **Start Local Logging**.

The Power LED on the Logger starts to flash.