

Fluke 174X Firmware V2.3 Release Notes

Date: 20 July 2026

IMPORTANT

This update does not cover “Modbus”-licensed functionality.
If your application depends on the “Modbus” feature to work, **DO NOT** update your device.

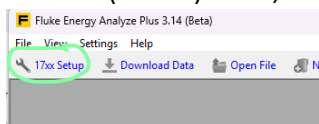
IMPORTANT

This update does not cover “Fluke Connect” functionality.
If your application depends on using your mobile running Fluke Connect for device configuration, **DO NOT** update your device.

New Features:

As part of our ongoing commitment to improving cybersecurity and protecting user data, we have implemented the following enhancements. These updates also support compliance with the Commission Delegated Regulation (EU) 2022/30 supplementing Radio Equipment Directive (RED) 2014/53/EU, and the associated harmonized standards EN 18031-1 and EN 18031-2:

- Enhanced data protection to meet cybersecurity requirements:
 - Users are required to define a username and a password.
 - Users are required to define a WiFi Passphrase and utilize this passphrase in subsequent connections to the device hotspot.
 - Installation of Fluke Energy Analyze 3.14 (or newer) is required for this firmware version. Username, password, and the WiFi passphrase are mandatory for all connections with Fluke Energy Analyze 3.14.
 - A user-defined PIN is required to access:
 1. Home -> Settings
 2. Home -> Info -> Communication
 3. Locking the screen
 - Fluke 174x devices indicate the need for setting up mandatory credentials by showing the power button lit white, and amber flashing Time, Ethernet, WiFi, and WiFi Hotspot LEDs. Only finishing the first-start configuration will enable normal device operation.
 1. In this state, connect the device to a PC running Fluke Energy Analyze 3.14 using the USB (mini-B) cable, and start “17xx” Setup from FEA.



2. Follow the instructions on screen to define username, password, and WiFi passphrase.

3. With the credentials configured, the device will show the power button lit amber or green and normal operation ensues.
 - Added security logs to capture events that are related to personal information security.
- Added support for new WiFi dongles, Fluke part #6151683, "USB WIFI ADAPTER".

Improvements:

- System security enhancements.
Updated core software components to improve protection against known security vulnerabilities.

Fluke 174X Firmware V2.2 Release Notes

Date: 09 November 2022

New Features:

- Added support for Fluke 17XX BNC Adapter for Clamps

Known Issues:

- Events that span a 10-minute boundary may contain duplicate wave shapes and show an unexpected line in the wave shape chart of Fluke Energy Analyze Plus. This neither affects accuracy nor statistical evaluation of event data.

Fluke 174X Firmware V2.1 Release Notes

Date: 11 May 2022

New Features:

- The password of the built in WiFi AP can now be changed via Fluke Energy Analyze Plus, v3.9.1.

Improvements:

- Security Update - changed transport layer security.

Known Issues:

- Events that span a 10-minute boundary may contain duplicate wave shapes and show an unexpected line in the wave shape chart of Fluke Energy Analyze Plus. This neither affects accuracy nor statistical evaluation of event data.

Fluke 174X Firmware V2.0.5 Release Notes

Date: 24 April 2020

Improvements:

- Resolved an issue causing always Component harmonic to be reported as Harmonics Group in Fluke Energy Analyze Plus, regardless which method was selected when configuring a logging session.

Known Issues:

- Events that span a 10-minute boundary may contain duplicate wave shapes and show an unexpected line in the wave shape chart of Fluke Energy Analyze Plus. This neither affects accuracy nor statistical evaluation of event data.

Fluke 174X Firmware V2.0.4 Release Notes

Date: 12 December 2019

Improvements:

- Resolved an issue that caused data transfers from the instrument to stall with sessions that lasted longer than 30 days.
The issue does not occur on devices with firmware version 1.1.1 or earlier installed.
Please contact Fluke Support in case this problem gets in the way of loading data from your instrument for use with Fluke Energy Analyze Plus.
- Resolved an issue that caused loss of a data point in rare cases.
- Improved general stability.

Known Issues:

- Events that span a 10-minute boundary may contain duplicate wave shapes and show an unexpected line in the wave shape chart of Fluke Energy Analyze. This neither affects accuracy nor statistical evaluation of event data.

Fluke 174X Firmware V2.0.1 Release Notes

Date: 12 March 2019

New Features:

- Added support for Fluke Connect App
- Added support for remote monitoring and upload of local logging sessions to Fluke Connect cloud (requires Remote Monitoring license)
- Added support for circular memory model (overwrite oldest data)
- Added Flicker P_{ST} to trend interval (1min ... 30min)
- Added event recordings (waveform and RMS profile) at the end of dip, swell and interruption events
- Added Modbus TCP protocol (requires license) – refer to Modbus manual for supported measurements
- Added support for Configuration templates

Improvements:

- Extend number of events to 10,000 events per session
- Improvements to WiFi/BLE communication stability
- Improved Flagging status for Flicker P_{LT}
- Resolve multicast issues for connecting to WiFi and Ethernet simultaneously
- IP address of WiFi AP changed from 10.10.10.1 to 10.237.186.1. This reduces connection issues when 10.10.10.x is used in the local network. This change affects VNC connection configuration only (usage of VNC requires a license)

Known Issues:

Fluke 174X Firmware V1.1.1 Release Notes

Date: 12 February 2018

New Features:

- Companion firmware to use with Energy Analyze V3.1.0 or higher
- Support of the upgrade licenses: 1742-6/UPGRADE, 1742-8/UPGRADE, 1746-8/UPGRADE
- Support for up to two Mains Signaling Voltages.
- Connection verification with phasor diagram.
- Support to configure gain and offset on the AUX channels.
- Support to use o up to two Fluke Connect modules (supported modules: FC3000 series, leakage current clamp Fluke 368 and Fluke 369, DMM FLK-3000 FC).
Note: The Bluetooth adapter needs to be attached to the internal or external USB port of the Logger.
- Added 3 second trend interval
- Support of optional license VNC SERVER to add the ability to control and view data on the 174X products using the VNC application (available for PC, iOS, Android)

Improvements:

- Status visualization of the WiFi-Hotspot with the LED WiFi-HOTSPOT improved
- Fixed the issue that on slow WiFi networks a timeout interrupted the data download.

Known Issues:

- Occasionally Ethernet link is not detected on direct connection PC-Logger. This is noticed on some LAN chipsets (e.g. Lenovo Thinkpad L460, Dell Latitude 5480).

Recommended workarounds:

1. Configure the Ethernet adapter to use 100Mbit/s full duplex.
2. Use an Ethernet switch between PC and Logger.

Fluke 174x Firmware V1.0.1 Release Notes

Date: 5 October 2017

New Features:

- Initial release for Fluke 1742, 1746 and Fluke 1748.