



## V-Probe Responder for WiFi Air Expert - Software Updates

*Upgrade instructions are provided at the end of this document.*

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### Software version 01.00.32

September 23, 2024

#### Release Scope:

General availability.

#### New Features or Improvements:

1. Fixed an issue where long-term V-Perf testing to V-Probe was interrupted by the error 'Error-control socket has closed unexpectedly', causing the test and measurement to stop.
2. iPerf3 has been upgraded to version 3.17.1

#### Known issues or limitations:

- a. No new significant issues to report.

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### Software version 01.00.22

February 1, 2021

#### Release Scope:

General availability.

#### New Features or Improvements:

1. Added support to the hardware V1.2\*.

#### Known issues or limitations:

- a. No new significant issues to report.

\*The SW is compatible for hardware V1.1

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### Software version 01.00.20

April 12, 2018

#### Release Scope:

General availability.

**WARNING:** The power key on the V-Probe's panel should be used for safe shut down of the unit. Hold the power key for 3 seconds and wait for the front panel LED to turn off before disconnecting the power cable. If the unit is shut down by disconnecting the power cable without following proper shut down procedure, it can result in data corruption.

#### New Features or Improvements:

1. Added software support for front panel LED status indicator. LED behavior description below:
  - LED OFF: V-Probe is turned off
  - LED Solid Green: V-Probe is on and fully operational
  - LED Quickly Blinking Green: If the V-Probe's LED is quickly blinking (200 ms interval), it indicates that a V-Perf test is currently running. When the V-Perf server returns to Idle state, the LED is solid green.
  - LED Slowly Blinking Green: If the V-Probe's LED is slowly blinking (3 second interval), it indicates that the V-Probe is not operating properly, and that the system is corrupted. To troubleshoot, hold the power key for 3 seconds and wait for LED to turn off before disconnecting the power cable. Reconnect the power cable and boot it back up. If the LED is still blinking at slow rate, contact customer support.
2. Added software protection for safe shut down.

#### Known issues or limitations:

- a. No new significant issues to report.



Software version 01.00.15

Aug 17, 2017

**Release Scope:**

Initial Release. General availability.

**V-Probe Responder for WiFi Air Expert Features**

The V-Probe Responder is a companion accessory to the MTTplus-900 Air Expert. It is used as a remote server to establish V-Perf TCP/UDP connections and validate that the network is configured correctly for seamless passing of TCP & UDP traffic through an Access Point (AP). For this test, the V-Probe responder is connected directly to the Ethernet port on the back of the AP/Router, the MTTplus-900 Air Expert is connected to the WiFi air interface to perform WiFi to Ethernet data throughput tests.

**The following features are supported in the initial GA release:**

1. DHCP (default) or Static IP test port configuration
2. Automatic V-Probe discovery from MTTplus-900 Air Expert
3. V-Perf TCP/UDP Server (with iPerf3 compatibility)
4. V-Probe configuration from MTTplus-900 Interface or PC Web browser

**Known issues or limitations:**

- a. No new significant issues to report.



## References

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### Updating the V-Probe Software (via web browser)

The V-Probe software can be upgraded through a PC web browser.

Connecting to V-Probe:

If the V-Probe is configured in IP DHCP mode (default), to find the V-Probe IP address, tap on V-Probe > Discover (from the Air Expert Module User Interface) to use the Discovery function when in DHCP mode.

Connect to V-Probe by typing its IP address into a PC web browser. Enter your log in information. Refer to the label on V-Probe for password information.

Follow the procedure to upgrade the V-Probe's software:

1. Download the V-Probe software file from VeEX's website and save it locally on your PC.
2. Connect to the V-Probe's IP address from the web browser. Click on System Tools > Software Upgrade.
3. Browse to your PC's folder where the V-Probe software is stored.
4. Click Update to start the software upgrade process.
5. Refresh your web browser's page when the upgrade process is complete and connect to the V-Probe.

Note: When the unit is configured to V-Probe is configured in Static IP mode, make sure to write down the configured IP address for your records. Regardless of configured IP address, V-Probe is always accessible via IP address 192.168.100.250.

### Factory Reset Procedure

1. To reset V-Probe to the factory setting DHCP IP address mode, download the "vprobe\_factory.key" software from the VeEX website.
2. Install "vprobe\_factory.key" on the root directory of the USB stick.
3. Insert the USB stick into the V-Probe USB port on the connector panel.
4. Power on V-Probe by connecting the charger.
5. V-Probe will be reset to factory default.

### Safe Shut down Procedure

To safely shut down V-Probe, press the Power key on the front panel for 3 seconds and wait for front panel LED to turn off, then disconnect the charger. Safely shutting down the V-Probe is recommended. Removing the power supply prior to safely shutting down could result in data corruption.

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