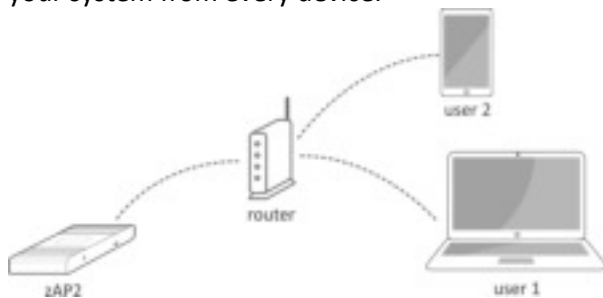# zAutomation Processor Spectrometer Upgrade 2

The zAutomation Processor 2 (**zAP2**) and **zAP2+** upgrades add an integrated CPU with Wi-Fi access to your compact spectrometer. This feature automates applications for OEMs and end users and turns your spectrometer into a portable wireless analyzer with real world data output for just about any application you can dream of.
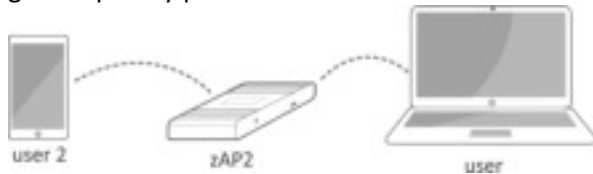
 and

Wi-Fi

Connect zAP2 to your Wi-Fi and remotely monitor your system from every device.

Access point (direct access)

zAP2 has not only the ability to connect to your Wi-Fi, but also to generate its own Wi-Fi (hotspot) so you can directly access the spectrometer and go completely portable.

Remote portal

Connecting to the Access Point you get access to zAP2 remote portal on your web browser allowing you to manage Wi-Fi communications, upload apps, upgrade zAP2, open documentation and download all the necessary software to control and access the zAP2.
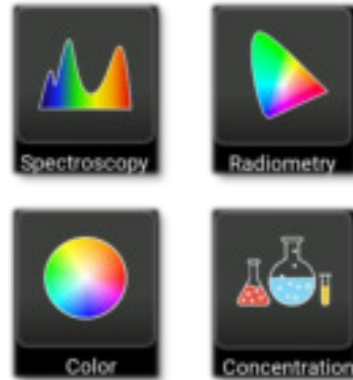
Get data from zAP2

With the new zAP2 upgrade you can stream your full spectrum over Wi-Fi and still use your regular *SpectraWiz* or any *customizable Windows program* as if you had the device directly connected to your USB.

Get a **zAP2+** with an extra 1GB RAM for high speed applications. Delivered preprogrammed with our latest SpectraWiz Mobile App set which allows streaming of pre-processed data.

SpectraWiz Mobile Apps

Using zAP2+ local access point and your own mobile device, you can easily run applications for **General Spectroscopy**, **Radiometry**, **Colorimetry**, and **Concentration** analysis.

In-app purchases allow users to download source codes, which can be further customized to suite each user's requirements.

Using the powerful Python language you can create your own onboard applications to stream only the data you need.

ContactUs@StellarNet.us today to discuss your zAP2 application!

Specifications	
Operating System	GNU/Linux. Debian based.
Wi-Fi	802.11 b/g/n wireless LAN
CPU	1GHz, single-core
RAM	512MB	1 GB for zAP2+
Access Point range	230ft max

*zAP2+ upgrades are available for BLACK-Comet, SILVER-Nova, High Resolution, HR-X, RED-Wave and Raman-HR spectrometers. BLUE-Wave and DWARF-Star spectrometers will only be able to get the standard zAP2 processor due to size restrictions