

## What's new in MiQVNA version 1.9.09

### Memory Traces

In the display tab, there are 3 memory buttons to store and display the current measurement as a memory channel.

### Software API

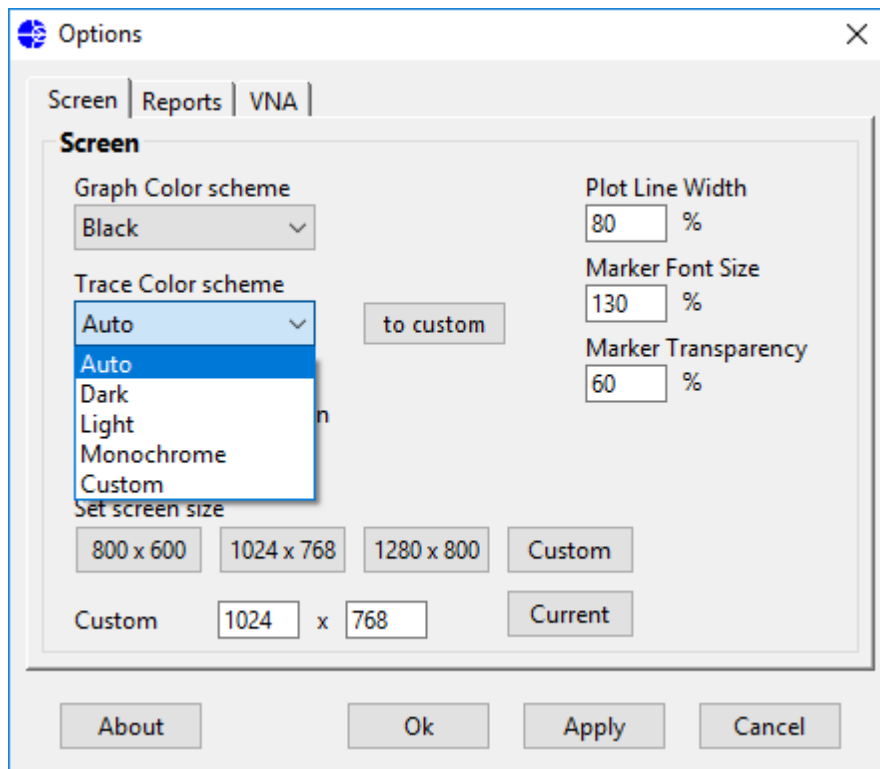
Support was added for the VNA variable VNA\_GENPORT, so that software can access (and sweep) this variable.

The property **PortIdleGenerator** was fixed to cause an internal update to propagate to the VNA.

## What's new in MiQVNA version 1.9.004

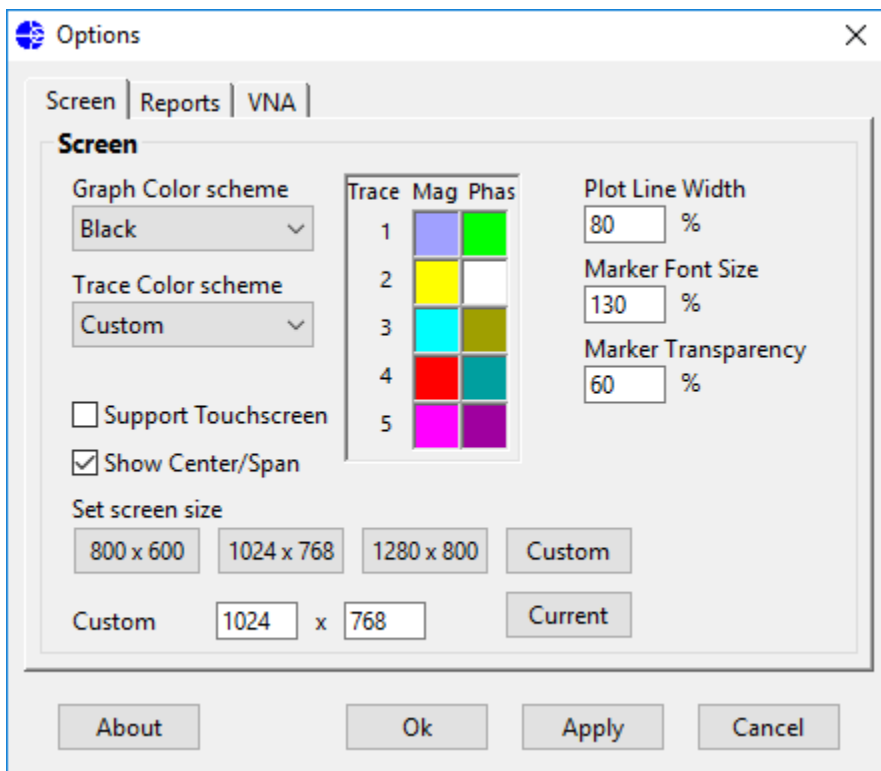
### Customized Trace colors

It is now possible to select the colors of the graph traces, on screen and in reports.



You can select the color set for traces with the 'Trace Color scheme' select box.

- Auto: use trace colors that go with the selected Graph Color scheme
- Dark: use trace colors that are made for lighter backgrounds
- Light: use trace colors that are made for darker backgrounds
- Monochrome: use monochrome trace colors
- Custom: use a custom set of trace colors, as in the picture below



There are 5 sets of colors for Magnitude and Phase (if applicable). Click on a color box to change the color.

You can make a copy of a color set for customization by selecting one of the other Trace Color schemes and press the 'to custom' button. You can then go back to the Custom mode and modify the colors.

The Graph and Color schemes are retained when the program is closed and opened again. The colors are not stored with a measurement in the Session items of the VNA program.

For Report colors there is an identical set of controls in the Report tab.

## What's new in MiQVNA version 1.9.001 and VNA Firmware version 1.9.001

### New features

- The measuring speed is improved by a factor 4
- Enhanced graphs with selectable line width, marker font size and marker transparency
- Robust software operation during sweeping
- Robust USB connect and disconnect handling
- Several small improvements and corrections

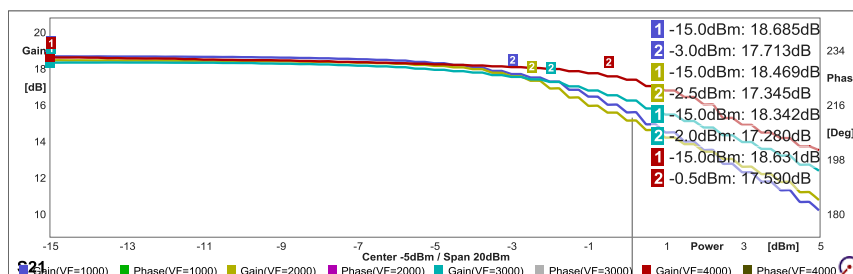
### Measuring speed

The measuring speed has been improved by a new sampling scheme. At the highest speed the measuring times are:

Points	Freq Range	1-port	2-port
4000	400 – 6000 MHz	1000 ms	2000 ms
25	400 – 6000 MHz	21 ms	41 ms
25	400 – 500 MHz	17 ms	33 ms

The improved speed gives the VNA a real-time look and feel up to several hundred points sweep size. In addition this makes our VNAs attractive for high speed production testing.

### Enhanced graphs



The software now used GDI+ for enhanced features as anti-aliasing, line width, transparency and smoothing.

We added settings for line width, marker size and marker transparency for each screen representation and report output.

## Robust software operation during sweeping

Some users were experiencing problems when changing sweep settings during sweep mode. This has been addressed and is correctly handled now.

## Application software installation

Download SetupMiQVNA-1.9.001.exe from the MegiQ site.

Run SetupMiQVNA-1.9.001.exe.

It is not necessary to uninstall older versions.

## Firmware update

Download the firmware file VNA-VF201-1.9.001.vfw from the MegiQ site.

Press the Options button and go to the VNA tab.

Press the Firmware button

Browse for the firmware file and press Send Firmware. The VNA will reboot after the upload is complete.

