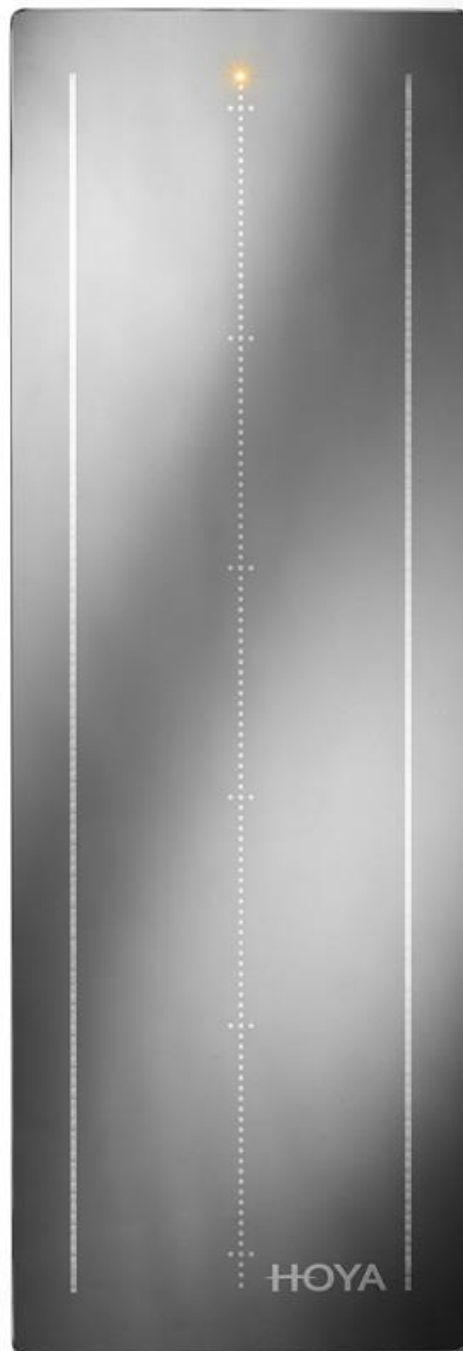# visuReal MASTER Update 1.3.

TOPICS

New Features:

1. Graphical illustration of the measurement results
2. Calculation of the head rotation correction
3. Automatic updates via Auto Updater feature
4. Frame edge optimisation and therefor improvement of measurement result accuracy
5. Automatic WLAN-channel optimisation of the internal 2.4GHz-Master hotspots
6. General improvement of operational reliability

Information about the new features:

Point 1. Graphical illustration of the measurement results

Simply comfortable:
As of visuReal Master version 1.3 you have a very comfortable and quick option to view and evaluate the measurement results at a glance. Why? Additionally, to the text view there is a graphical illustration showing you the results. This makes it easy for you to assign the values quickly, to perceive them at first sight and to assess whether corrections are necessary or not.

Point 2. Calculation of the head rotation correction

More influemce for you:
As of visuReal Master version 1.3 you have the possibility to compensate the measured head rotation, if you think that it is needed. The head rotation is displayed in degrees. If you want to correct the measured value to 0 (zero) degree, you have to activate the slider [rotation compensation]. The first value shows the head rotation in degree (here in the picture 4.5). The second value (here in the picture 2.2) indicates by how many milimeters the monocular PD has changed, having activated the [rotation compensation] to zero degree. In the following you can see two program screenshots showing the correction to zero, i.e. "rotation compensation" OFF and ON.:

Rotation compensation OFF:

Centration Values

interpupillary distance:		64.5
x	R **31.9**	L **32.6**
y (to box)	R **18.3**	L **17.3**

Head Posture

back-vertex-distance:	12.1
inclination:	13.5
rotation (° | mm)	**4.5 | 0.0**

rotation compensation

Rotation compensation ON:

Centration Values

interpupillary distance:		64.5
x	R **34.2**	L **30.3**
y (to box)	R **18.4**	L **17.4**

Head Posture

back-vertex-distance:	12.1
inclination:	13.5
rotation (° | mm)	**4.5 | 2.2**

rotation compensation

Punkt 3. AutoUpdater

<u>Getting updates becomes easy:</u>

Thanks to the AutoUpdater-feature you will receive an automatic update notice in form of a red one (1) in the hamburger menu as soon as there is an update available. If you click on it, a security prompt appears and then the update is carried out.
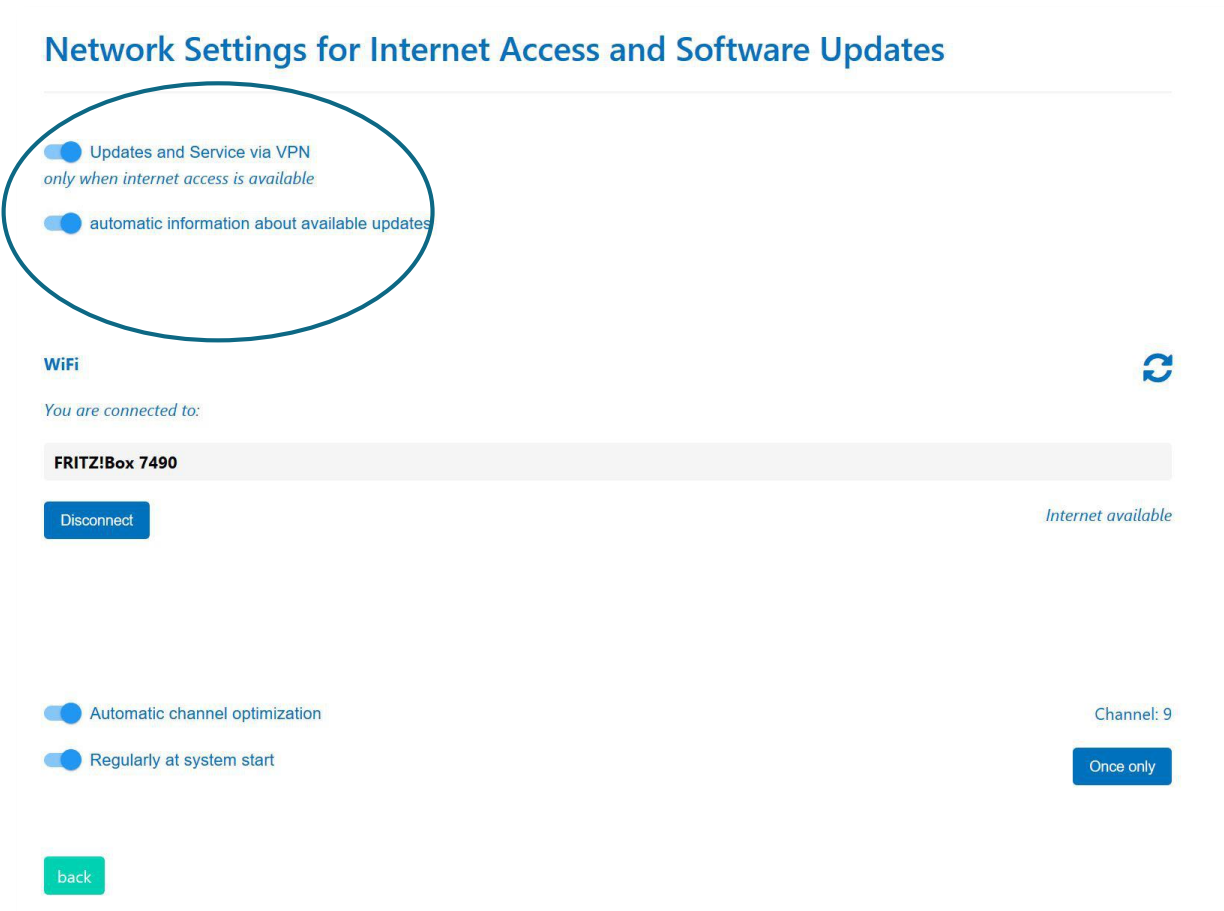
Please note: If you want to use the AutoUpdater feature, you have to make the following settings at first:

Go to the settings of your end device that you use for visuReal Master, e.g. your iPad, and go to „Network settings for Internet Access and Software Updates"

Activate the slider

- Updates and Service via VPN
- Automatic information about available updates

Once these settings have been made, the system checks the central update server each time it boots up, i.e. App start, to see whether an update is available.

Network Settings for Internet Access and Software Updates

Updates and Service via VPN
only when internet access is available

automatic information about available updates

WiFi

You are connected to:

FRITZ!Box 7490

Disconnect   *Internet available*

Automatic channel optimization   Channel: 9

Regularly at system start   Once only

back

Point 4. Frame edge optimisation

Optimised determination of the frame edge = more precise measurement values:
The visuReal Master version 1.3 provides even more precision. What does that mean?

When marking the measurement crosses, in order to position or correct them, the program always assumes that the front frame edge has been marked. By considering this in its algorism, the program can put out more precise values.

Important to know for you:
When correcting the measurement markings manually, please ALWAYS place the markings on the visible inner frame edge. You also have to select the correct frame type (material)!

Frame type   **Metal** ▾

Point 5. Automatic WLAN- channel optimisation of the internal 2.4GHz-Master hotspots
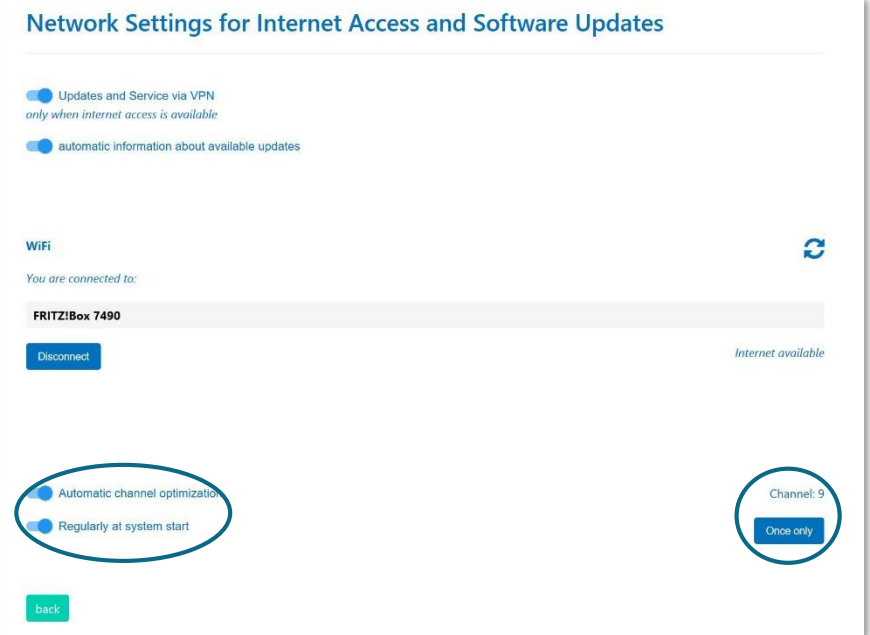
WLAN issues are an old hat:

In case of an inadequate running WLAN connection between the end device and the visuReal Master (the mirror) there is a solution now:

For this, please go to the hamburger menu in your visuReal Master software and go to „Network settings for Internet Access and Software Updates"

Activate the setting „**Automatic channel optimization**".

This switches the WLAN to a channel, that is least affected by the number of other hotspots. This can be done automatically each time the program is started (switch on „Regularly at system start") or once by pressing the [Once only]" button.

Please note: Here, it is necessary that the WLAN settings of the end device are set to „connect automatically", otherwise the WLAN connection to the visuReal Master must be re-established manually.

Network Settings for Internet Access and Software Updates

Updates and Service via VPN
only when internet access is available

automatic information about available updates

WiFi

You are connected to:

FRITZ!Box 7490

Disconnect   *Internet available*

Automatic channel optimization   Channel: 9

Regularly at system start   Once only

back

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