

## Binocular Autorefractor



reddot award 2014  
winner



### Short manual 2

### “Adjusting settings and setting up WLAN”

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This manual is a supplementary short manual. For important information about your Plusoptix device, such as its intended use, basic handling, technical information, maintenance, service, and warranty information, please refer to the user manual that was delivered with your device. This user manual can also be downloaded on our homepage ([plusoptix.com](http://plusoptix.com)), under support.

## List of further supplementary short manuals

1. Checking scope of delivery and learning about the device
2. Adjusting settings and setting up WLAN
3. Preparing and performing a measurement
4. Viewing the measurement results
5. Entering, retrieving or deleting patient data
6. Documenting measurement results electronically
7. Documenting measurement results on paper
8. Exporting back-ups and reports (only plusoptiX A12C and A16)
9. Downloading software updates
10. Troubleshooting malfunctions and measurement interruptions

## 1 Adjusting the settings

You can use the settings to adjust the “plusoptiX A12” to your requirements. You get to the settings by touching the gear wheel (1) in the navigation bar. By touching the red “X” (2), you can return to the screen, from which you originally called up the settings.

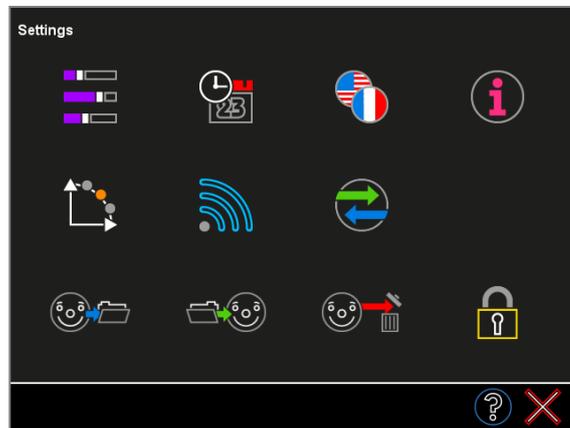


Figure 1: Settings

	Adjust the basic settings	See Chapter 2
	Setting the date and time	See Chapter 3
	Selecting the language	
	Configuring the software and downloading the software update	See short manual 9
	Setting up network access via LAN/WLAN (only plusoptiX A12C and A16)	See Chapter 5
	Connection to your EMR software (only plusoptiX A12C and A16)	See short manual 6
	Exporting data (only plusoptiX A12C and A16)	See short manual 8
	Importing patient data (only plusoptiX A12C and A16)	See short manual 5
	Deleting the database (only plusoptiX A12C and A16)	See short manual 5
	Setting up the screen lock (only plusoptiX A12C and A16)	See Chapter 4



## 2 Customize basic settings

Touch the button (1) in the settings to access the basic settings.



Figure 2: Customize basic settings

	<p>Selection of the astigmatism display The astigmatism can be displayed as a plus cylinder or minus cylinder.</p>
	<p>Setting the volume With a 0% setting, the warble sound is turned off.</p>
	<p>Setting the screen brightness</p>
	<p>Only plusoptiX A12: Screen-Saver-Timer Time in seconds until the screen switches off after inactivity Earlier switch-off saves electricity and allows the rechargeable batteries to last longer. The screen is switched on again after being touched. The screenshot of the last video image, measurement results and print jobs in printer spooler are retained when the screen switches off.</p>
	<p>Only „plusoptiX A12C“ und „plusoptiX A12R“: Automatic shut-off Time in minutes until the device switches off after inactivity. Earlier shut-off saves electricity and allows the rechargeable batteries to last longer. The device must be switched on again by pressing the On/Off button. The screenshot of the last video image, measurement results and print jobs in printer spooler are deleted when the device switches off.</p>
	<p>Only “plusoptiX A12C” and “plusoptiX A16”: Using commas or semi-colons as separators in the CSV files. The set separator is used for all CSV files that are saved by the Plusoptix device. Only CSV files that use the set separator can be imported. For more information, refer to supplementary short manual 5.</p>

Confirm your choice by touching the green checkmark (2) or reject the changes with the red “X” (3) in the navigation bar.



## 3 Setting date, time and time zone

The date and time will need to be set the first time the device is turned on and again if the batteries (only „plusoptiX A12C“ and „plusoptiX A12R“) have been removed for an extended period of time.

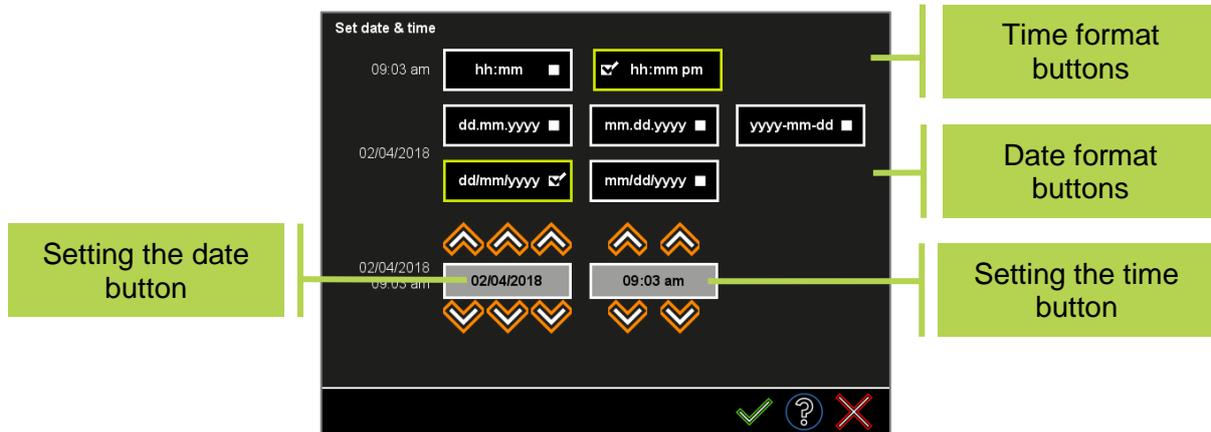


Figure 3: Setting the date and time

The selected time and date format is highlighted (1). Using the orange arrows (2), set the right date and current time. Confirm your entries with the green checkmark (3). The date, time and display format can be changed at a later date in the settings (4).

### Setting a time zone

The time zone set on the device is the coordinated universal time UTC + 00:00. In this setting, no automatic time change takes place. If the device should automatically switch between summer and winter time, you can set the corresponding time zone by touching the globe (5).

After you have first selected your country and then the applicable time zone in the following mask, the newly set time zone will now be displayed in the "Date & Time" setting.

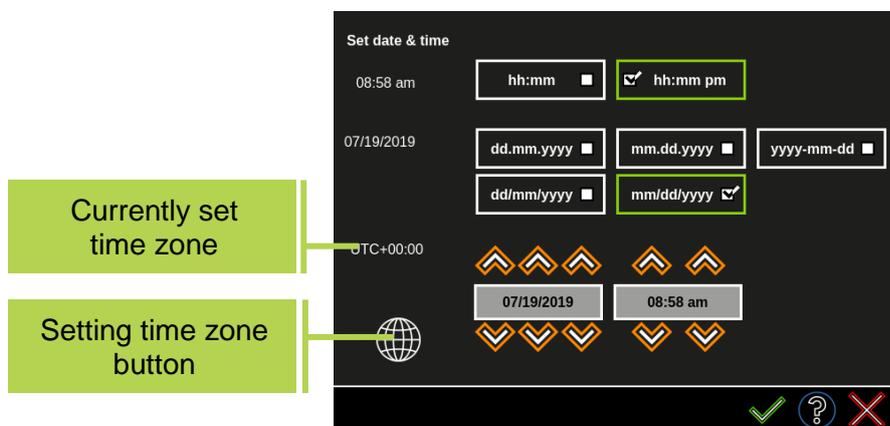


Figure 4: Setting the time zone



## 4 Setting up the screen lock (only A12C and A16)

To protect the patient data stored in the „plusoptix A12C“ or “plusoptix A16” from unauthorized access, the screen can be locked. Touch the lock (1) in the settings.

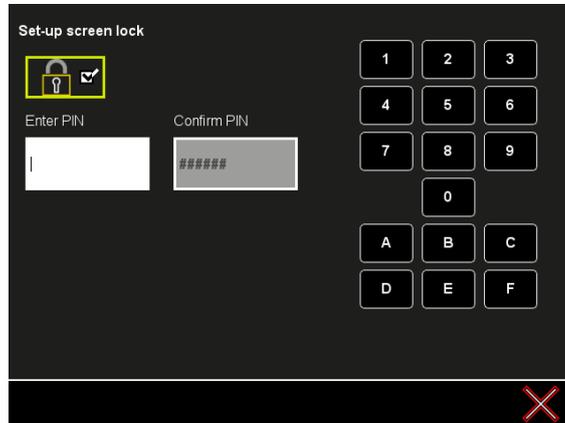


Figure 5: Setting up the screen lock

Activating the screen lock:

- Touch the deactivated button with the lock (2).
- Enter a six-digit PIN using the on-screen keyboard.
- Then touch the green checkmark (3) to activate the screen lock or the red “X” (4) to discard the entry. As soon as the screen lock is activated, the lock (1) will be seen in the navigation bar.

Locking the screen:

- Touch the lock (1) in the navigation bar to lock the screen. Once the screen is locked, it can only be unlocked by entering the six-digit PIN.



**Note:**

The lock (1) can only be seen in the navigation bar if you have activated the screen lock in the settings.

Deactivating the screen lock:

- Touch the activated button with the lock (2) and
- Enter your PIN
- Then confirm by touching the green checkmark (3) or the red “X” (4) to discard the entry.



## 5 Setting up the network access via LAN/WLAN (only A12C and A16)

The “plusoptiX A12C” is equipped with a WLAN interface and the “plusoptiX A16” is equipped with a LAN and WLAN interface. These interfaces can be used to connect to a network. The activated LAN or WLAN connection is shown in the header (1)(2).



**Note:**

WLAN connection with the network can either be set up by entry of a static IP address, or automatic allocation of the IP address by a DHCP server.

### 5.1 Setting up a LAN connection (only A16)

Connect the “plusoptiX A16” to your network socket using a LAN cable. No other settings are needed. The LAN symbol (1) will be shown in the top right of the header on the home page. To see the IP address and host name of your “plusoptiX A16”, open the “Setting up the network access via LAN / WLAN” page by touching the symbol (2) in the settings.

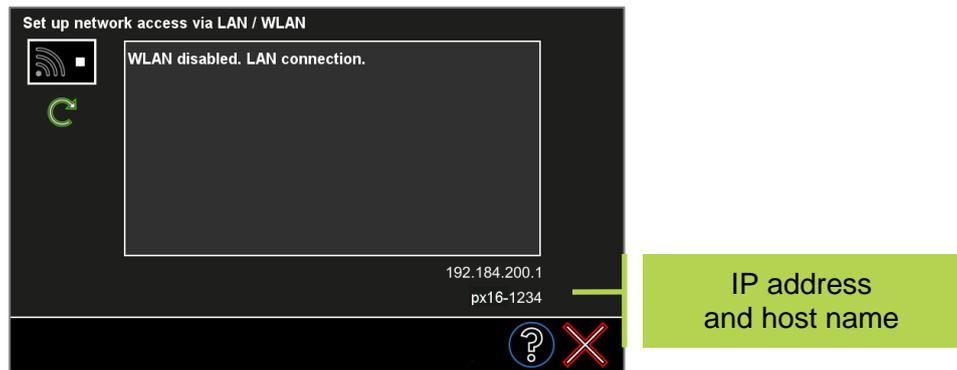


Figure 6: LAN connection (only plusoptiX A16)

### 5.2 Setting up a WLAN connection (only A12C and A16)

The WLAN interface is deactivated in the factory settings. If the WLAN interface is activated, the LAN interface is automatically deactivated.

- Touch the button (2) in the settings to get to this screen.

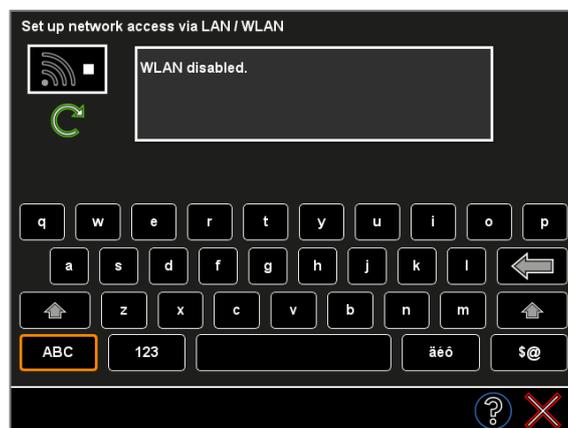


Figure 7: Activating WLAN



- Touch the button (1) to activate the WLAN interface. The device then automatically searches for all available networks within its range and displays these. By touching the down arrow (2), you can view the list.
- Touch the Repeat button (3) to repeat the search for available networks.

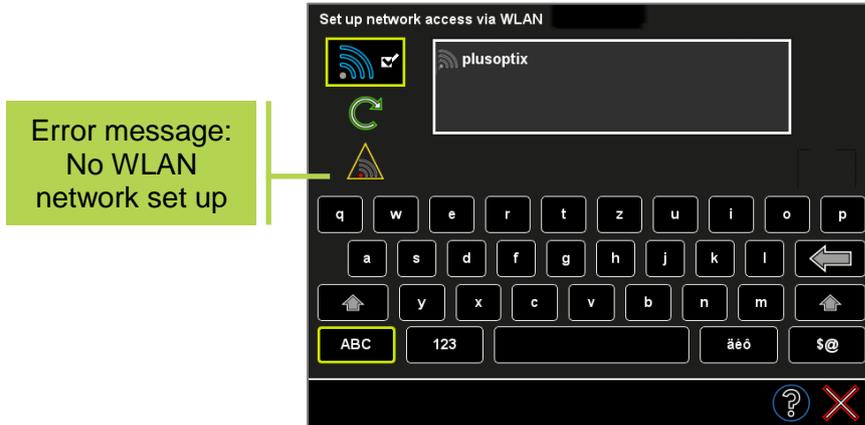


Figure 8: List of active WLAN connections

- The device only shows password-protected networks. Touch the relevant entry on the screen to select a wireless network.

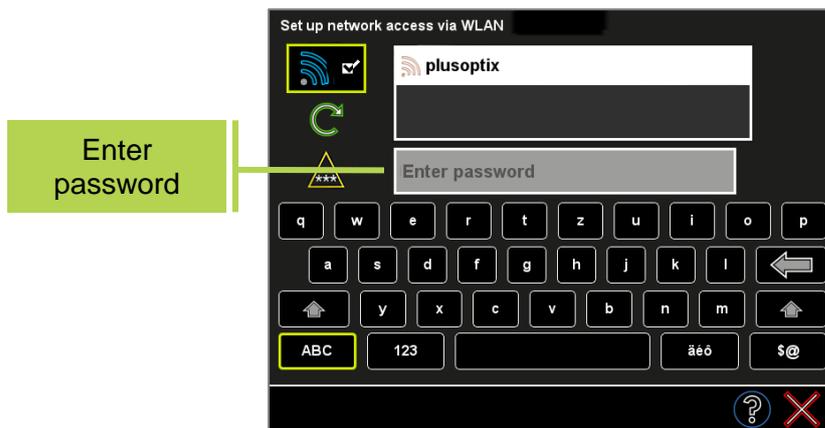


Figure 9: Entering a password for a WLAN connection

- Enter the password in the input field and confirm by touching the green checkmark (4) in the navigation bar. Shortly thereafter, the screen will automatically shut down and the settings screen will be visible. The device is now connected with the network and the password for the selected network is saved.



**Note:**

If a previously saved password is changed, the network must be reselected from the list and the new password must be entered.



If the device is already connected to a WLAN, a green checkmark (1) will be visible on the WLAN screen instead of the error message symbol. The name of the WLAN is highlighted in white and the IP address and host name are shown next to the password (2).

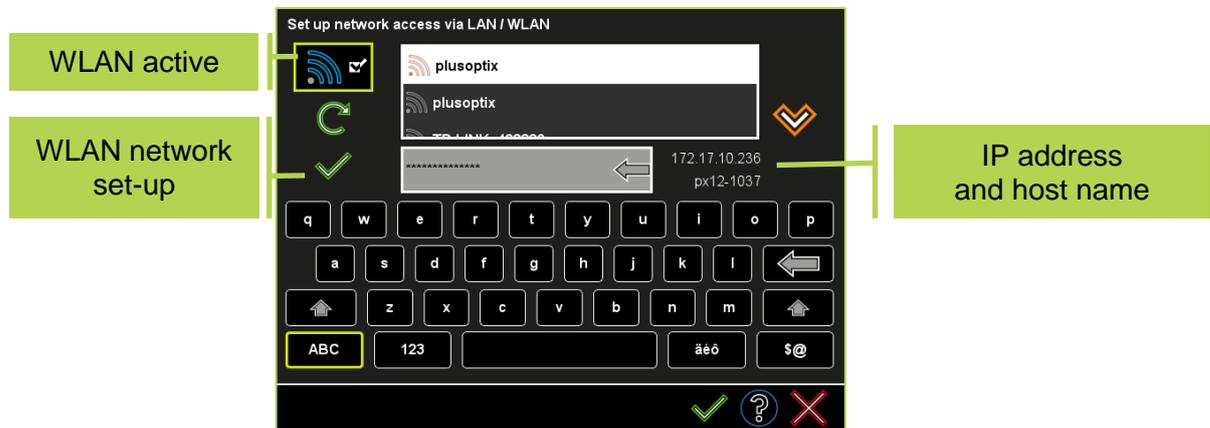


Figure 10: Viewing active network connection



**Note:**

If you turn off the „plusoptiX A12C“ or “plusoptiX A16“ when a WLAN is connected, it will automatically connect with the selected WLAN every time it is turned back on.

To deactivate the WLAN interface, touch the button (3). You will automatically return to the settings.

If the WLAN connection is disconnected, a yellow warning triangle with an error message will be shown instead of the green checkmark (1).

	This error message shows whether an incorrect password or no password at all has been entered.
	This error message shows that the DHCP server has not allocated the Plusoptix device an IP address.
	This error message shows that the WLAN router is outside the range of the Plusoptix device, that there is no WLAN network set up or that the password for the network has changed. In this case, enter the new password.

