

Tablet as mobile hotspot (DR 10s, DR 14s)

User Manual

Configuration

Mobile DR and Ultra Mobile DR applications contain a wireless DR detector and a portable MUSICA Acquisition workstation and provide wireless communication between the detector and the workstation and between the workstation and the hospital network.

Depending on the configuration, user interaction is required to manage the network connections.

In a Mobile DR configuration, the MUSICA Acquisition workstation is deployed on a laptop PC.

In an Ultra Mobile DR configuration, the MUSICA Acquisition workstation is deployed on a tablet PC.

Refer to the user documentation of the DR detector for safety directions, intended use and general operating instructions.

Wired hospital network - access point connected to wall outlet - workstation as hotspot (for tablet PC)

DR detectors:

- DR 10s, DR 14s

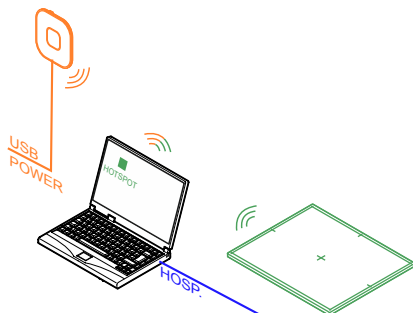
Only for Windows 10 on tablet PC.

The workstation communicates to the hospital network only via a wired network connection. Wireless connection to the hospital network is not supported.

The workstation communicates to the detector via the internal wifi adapter, acting as a hotspot.

The hotspot on the workstation must be reactivated after each reboot or when the detector has not been used for more than a day.

The wireless access point is not used for actual data communication to the hospital network or to the detector.



- The NX Workstation is connected to the hospital network to retrieve data from the RIS or to print or archive images.
- The NX Workstation is connected to the wireless access point to allow activation of the hotspot when preparing for an examination.

Figure 1: The workstation is standby



Figure 2: The workstation is used for an examination

Example of access point that can be used in this configuration: Tp-link AC750

Topics:

- *Preparing the system for performing an examination*
- *DR detector is moved out of range of the mobile hotspot*
- *The mobile hotspot toggle is grayed out*

Preparing the system for performing an examination

The hotspot on the workstation must be reactivated after each reboot or when the detector has not been used for more than a day. During the process of activating the hotspot, the workstation must be connected to the wireless access point and to the wired hospital network.

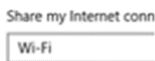
1. Start the DR detector.
2. On the NX workstation, go to the **Main Menu** and click the **Show Desktop** action button.

The Windows desktop is shown.

3. Click the **Mobile Hotspot** icon on the desktop.

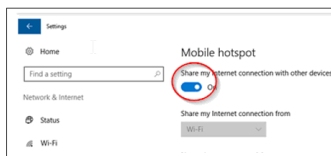
A dialog is displayed.

4. In the dropdown menu **Share my internet connection from**, select Wi-Fi.



In case the option Wi-Fi is not listed, wait until it appears.

5. Switch on the mobile hotspot using the toggle control.



6. Retrieve the patient info.

In NX, query the RIS.

7. Select the thumbnail for the first exposure.

The DR detector will connect to the NX workstation. It may take up to 1 minute for the DR detector status icon on the **DR Detector Switch** to indicate that the DR detector is ready.

8. Disconnect the wired network connection to the hospital network.

The workstation and the detector can be moved away and used to perform an examination.

After finishing the examination, restore the wired network connection to the hospital network to print or archive the images.

DR detector is moved out of range of the mobile hotspot

If the DR detector is moved out of range of the mobile hotspot, the connection is lost. The DR detector will automatically reconnect when it returns within the range of the mobile hotspot. The reconnecting may take up to 85 seconds.

If the connection is not automatically restored, check if the mobile hotspot is still active.

The normal range of the mobile hotspot is 6 m. Walls and doors with or without lead protection will reduce the range of the mobile hotspot.

The mobile hotspot toggle is grayed out

If the workstation has no connection to the wireless access point, the mobile hotspot cannot be activated. The mobile hotspot toggle control is grayed out.

1. Check in the Windows **action center** if the network connection for the wireless access point is available.
2. Connect to the wireless access point and enable the option to **Connect automatically**.
Once a network connection is established, the mobile hotspot toggle becomes available.
3. Switch on the mobile hotspot using the toggle control.



Note: After switching on the mobile hotspot, the connection to the wireless access point is no longer required to maintain the connection to the DR detector.