

Radiology Solutions Services

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DX-D 100 / DX-D 100 Wireless

Type 5410/Type 5411

NX Workstation: Clean Installation Procedure for Windows 10 PC

Purpose of this document

This enclosure describes the Clean Installation procedure for the NX Workstation (Windows 10 PC) of DX-D 100/100 Wireless systems.

This document is added to the applicable software package and available from the Agfa Medimg Library.

The confidentiality note in the document footer classifies this document as confidential. Dispose of this document when the task is finished.

Referenced documents

Referenced documents are listed on page 5.

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WARNING:

Improper operation or service activities may cause damage or injuries.

- (1) Read the *Generic Safety Directions* prior to attempting any operation, repair or maintenance task on the equipment. Refer to Document ID <u>11849633</u>.
- (2) Strictly observe all safety directions within the *Generic Safety Directions* and on the product.



IMPORTANT:

The installation and service of the product(s) described herein is to be performed by qualified personnel who are employed by Agfa NV or one of its affiliates or who are otherwise authorized by Agfa NV or one of its affiliates to provide such services.

DOCUMENT CONTROL NOTE:

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Subject

This clean installation instruction is for a DX-D 100/100 Wireless system in case Windows 10 PC has to be set up from scratch, for example

- when the Operating System is corrupted or
- after replacement of the hard disk drive or NX PC.

It applies only to NX PC with Operating System Windows 10.

1 Preparations



REQUIRED TIME:

Approximately 3 hours

- 30 minutes: Loading Operating System and NX software
- Up to 1.5 hours: Loading latest hotfixes
- 30 minutes: Configuration
- 30 minutes: Calibration



REQUIRED TOOLS:

- USB keyboard and USB mouse
- USB storage device (for example USB flash drive, USB hard disk)
- External USB CD/DVD reader



SPARE PARTS:

Only applicable for DX-D 100:

On a WIN 10 PC, the installation of VRN 8.0 in combination with Intel® I210-T1 Network cards is required.

For details refer to *DX-D 100 - SB111 - DX-D 10/20/Fixed detector software VRN 8.0 released*, Document ID 67257724.

 If required, order the Intel® I210-T1 Network card as described in the Bulletin and install it in the Windows 10 PC.



REFERENCED DOCUMENTS:

Make sure you have the Referenced Documents downloaded from Agfa Medimg Library before going on site.

- NX/MUSICA Acquisition Workstation Service Manual, Document ID 74737949
- FUSE Service Manual, Document ID <u>23977509</u>
- For applicable detector Manuals, DR wireless networking Service Manual and DR Detector - basic configuration guide refer to the Agfa Medimg Library: Direct Radiography > DR Detectors > Service Manual (click here).

DOCUMENT CONTROL NOTE:

1.1 Prepare required software



REQUIRED SOFTWARE:

 Windows 10 clean install image (for latest version refer to the Agfa Medimg Library or AgfaBox):

DXD100-BASE-image-W10-vx.x.zip, Document ID 67877797

NX software

Required NX version depends on the version which was installed before:

The NX version must match the NX license file.

For NX software files refer to the Agfa Medimg Library or refer to the Announcement Bulletins of NX versions if an NX USB flash drive can be ordered instead.



NOTE:

The NX USB contains all additional required installers, which were released at the time of the corresponding NX software release in

Service Software\NX Application NX X* \AdditionalInstallers directory.

So, if needed, more recent versions of the components must be installed. Create the respective software installer via Electronic License Management System (ELMS) Software Collection Tool or download the software items from the Agfa Medimg Library.

Only those installers are started by the activation utility that have been selected in ELMS and with which the Application License File (ALF) file has been constructed.

During clean installation or software upgrades the NX copies the files from Starter USB to C:\Agfa\Healthcare\NX\Installers\<installer directory>.

^{*} X = released NX version



ADDITONALLY REQUIRED SOFTWARE:

Organize the following software items:

Software	Comment	
Additional installers (also on NX Starterkit DVD)	For additional required software refer to the Simplified ELMS DR Subproduct Interoperability Matrix, Document ID 35878296, or release bulletin for the appropriate version.	
Application License File (ALF)	When performing clean installation on the same PC: Re-use the license file, if still available, or get a copy from ELMS.	
	When performing clean installation on a new PC: A new license file is required. Refer to section 6.3.2.	

DOCUMENT CONTROL NOTE:

Software	Comment	
Clonezilla DVD	Download clonezilla-live-2.4.2-10-amd64.iso, Document ID 71930888 and create a Clonezilla DVD.	
Latest Windows 10 hotfix for NX. • 10.1607.XXX.exe	Use the ELMS software collection tool to obtain the latest hotfix (cumulative for Windows 10). As alternative: The latest hotfix can be downloaded via Fast Update Service (FUSE) installed on the Service PC. For instructions to obtain and install the FUSE software refer to the FUSE Service Manual, Document ID 23977509.	
(Windows 10 LTSB)		
• 10.1809.XXX.exe (Windows 10 LTSC)		
LED beacon driver (optional)	Download the required installer from the Agfa Medimg Library.	
Bluetooth driver (optional)		
CR/DR service toolbox	Contains DR Installation Checker and the Agfa DR Dead Pixel Count Tool (ADPT, formerly DMAT). Download latest version from the Agfa Medimg Library.	
XML editor	Download for example Microsoft XML notepad from www.microsoft.com or use Notepad++.	



REQUIRED BACKUPS:

Refer to section 1.2 Create backups.

1.1.1 Create Clonezilla DVD

(1) Burn the clonezilla iso file (clonezilla-live-2.4.2-10-amd64.iso) onto a CD/DVD.

1.1.2 Store image of Operating System on USB storage device

- (1) Download the Windows 10 clean install image from the Agfa Medimg Library.
- (2) Create a **DXD100 BCK** folder in the root of the USB storage device.
- (3) Copy the folder with the image in the **DXD100_BCK** folder.

 Do *not* use spaces in the folder name below "DXD100_BCK" (the imaging software will not recognize the image if there are spaces).

The following figure shows how the structure should look like:

DOCUMENT CONTROL NOTE:

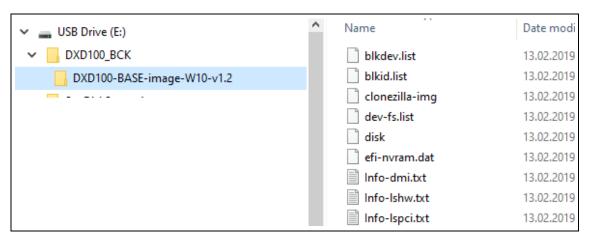


Figure 1: Example for required folder structure on USB storage device

1.1.3 Organize NX files on USB storage device

- (1) Identify the previously installed NX version and have the NX files on storage device available:
- (2) Either
 - order the USB flash drive or
 - download the NX USB files from the Agfa Medimg Library and store the files on USB storage device.

1.2 Create backups

- (1) Export the NX configuration.
- (2) Create a backup of the following files:
 - C:\Agfa\Healthcare\Sedecal\SiteConfig.xml
 - C:\Agfa\Healthcare\Sedecal\SedecalConfig.xml
 - C:\Agfa\Healthcare\Sedecal\ExtConsoleConfig.xml
 - C:\Agfa\Healthcare\Sedecal\Leds.xml
- (3) Note down:
 - IP address settings for all Network Interface Cards (NIC)
 - Detector configuration (IP / SSID / Passkey)
- (4) DX-D 100 Wireless: Have the detector CD (calibration data) available.
- (5) DX-D 100: Copy the Varian Detector DAT file of the original installation.
- (6) Copy NX license file (when performing clean installation on the same PC).

1.3 Connect USB mouse and USB keyboard



NOTE:

It is recommended to put a small table close to the DX-D 100 mobile unit for the use of USB mouse and USB keyboard.

(1) Connect the USB keyboard, USB mouse and if required USB CD/DVD reader to the external USB connectors of the NX PC.

2 Clean installation sequence

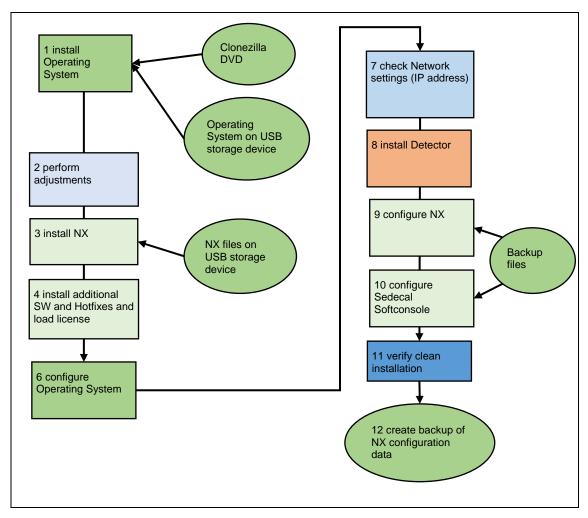


Figure 2: Clean Installation flow

3 Install the Operating System



Data loss possible.

Do *not* connect the external USB storage device (containing the Operation System) yet!

- (1) Insert the Clonezilla DVD before entering the BIOS.
- (2) Start the NX PC: At start-up press **Del** key several times to enter BIOS.
- (1) Adjust System date and time in the BIOS *before* restoring the image.



Figure 3

- (2) Go to **Boot**.
- (3) Select Boot Option #1.
- (4) Press Enter.



Figure 4

- (5) Select the **UEFI** DVD drive.
- (6) Press Enter.

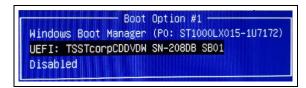


Figure 5

The first boot option is now set to UEFI DVD drive.

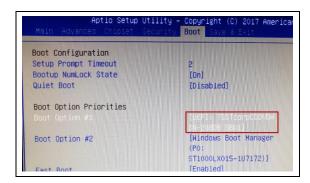


Figure 6

DOCUMENT CONTROL NOTE:

- (7) Go to Save & Exit.
- (8) Select Save Changes and Reset.
- (9) Press Enter.

The DX-D 100 will shut down.

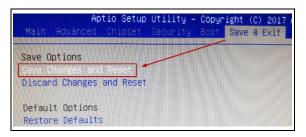


Figure 7

- (10) Press the **ON/OFF** button at the on/off keypad for about 3 s to switch the system off.
- (11) Enter the access code and press the Return button to start the system.Do not remove the Clonezilla DVD.



Figure 8: On/off keypad

- (12) Start Clonezilla.The Clonezilla screen will appear.
- (13) Select the first option.
- (14) Press Enter.The system will boot.



Figure 9

- (15) Select a language.
- (16) Press Enter.



Figure 10

- (17) Select a keyboard.

 To keep the English keyboard, select **Don't touch keymap**.
- (18) Press Enter.

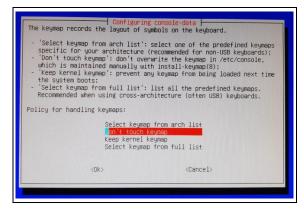


Figure 11

- (19) Select Start Clonezilla.
- (20) Press Enter.

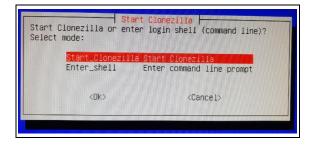


Figure 12

- (21) Select the first option: device-image.
- (22) Press Enter.



Figure 13

DOCUMENT CONTROL NOTE:

- (23) Select local_dev.
- (24) Press Enter.



Figure 14

- (25) Connect the external USB storage device that contains the Win 10 image. The external USB storage device will be connected. This will take approximately 10 s.
- (26) When the USB storage device is connected press **Enter**.



Figure 15

- (27) Select the external USB storage device, which is typically **sdbl...**.
- (28) Press Enter.

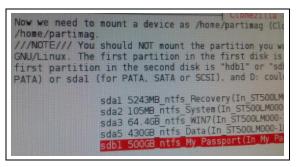


Figure 16

- (29) Select **DXD100_BCK**.
- (30) Press Enter.

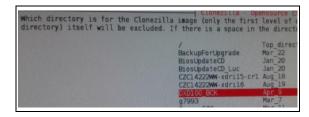


Figure 17

- (31) Select Expert.
- (32) Press Enter.

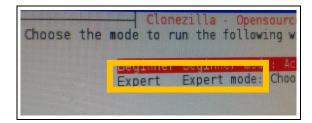


Figure 18

DOCUMENT CONTROL NOTE:

- (33) Select restoredisk.
- (34) Press Enter.



Figure 19

- (35) Select **DXD100-BASE-image-W10- vx.x**.
- (36) Press Enter.

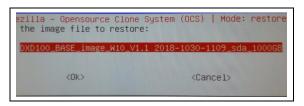


Figure 20

- (37) Select the target disk.
- (38) Press Enter.

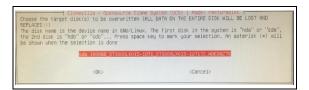


Figure 21

- (39) Confirm a few times by pressing y.The disk will be loaded. This will take approximately 10 minutes.
- (40) After the disk is loaded press **Enter**.

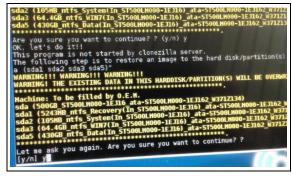


Figure 22

- (41) Select Poweroff.
- (42) Press Enter.



Figure 23

DOCUMENT CONTROL NOTE:

- (43) Press the **ON/OFF** button at the on/off keypad for about 3 s to switch the system off.
- (44) Remove the external USB storage device.
- (45) Enter the access code and press the **Return** button to start the system.
- (46) Remove the Clonezilla DVD.

 If the DVD tray does not open, the PC has to be rebooted.



Figure 24: On/off keypad

3.1 Log in with crservice

- (1) Login with crservice account.
- (2) In case the Graphical User Interface (GUI) is upside down, change the monitor rotation as described in section 4.1.
- (3) In case a warning appears to restart the system after the first login, select **Restart Later**.

3.2 Activate Windows (Windows 10)



NOTE:

Internet access is required to perform the next steps.

- (1) Click on the Windows Start Menu button and type **Activation**.
- Select Activation.
 Windows should be automatically activated.

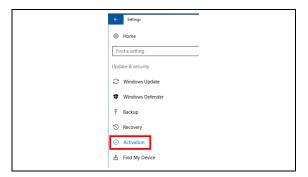


Figure 25

DOCUMENT CONTROL NOTE:

4 Adjustments & Options

4.1 Change monitor rotation



NOTE:

In case the Windows login screen is upside down, follow the instructions below.

- (1) Right-click on the Windows desktop.
- (2) Select Display settings.

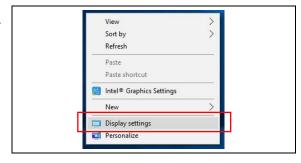


Figure 26

- (3) In Customize your display, select Landscape (flipped).
- (4) Click Apply.
- (5) This action must always be followed by a touch screen calibration as described in section 4.4.



Figure 27

4.2 Change monitor refresh rate



NOTE:

This in only applicable for the ELO 1790L monitor type.

DOCUMENT CONTROL NOTE:

- (1) Right-click on the Windows desktop.
- (2) Select Intel Graphic Settings.
 The Intel® HD Graphics Control
 Panel will appear.

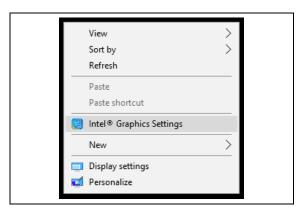


Figure 28

(3) Click **Display**.



Figure 29

- (4) Select **60p Hz** from the **Refresh Rate** dropdown list.
- (5) Click Apply.

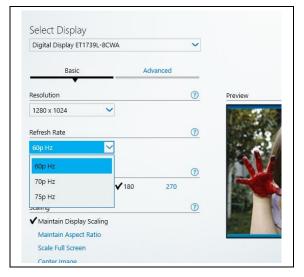


Figure 30

(6) Confirm the changes by clicking **Yes**.



Figure 31

4.3 Adjust PC's date and time and timezone

- (1) Go to Start menu > Settings > Time & Language.
- (2) Adjust to local date and time if necessary.

4.4 Adjust touch screen setting

In case the touch screen doesn't work, reinstall the software and calibrate. Perform touch screen calibration after monitor rotation.

- (1) Uninstall EloMultiTouch from Control Panel > Programs and Features.
- (2) Reboot the system.
- (3) Reinstall from C:\Drivers\SW602539_EloMultiTouch_6.9.7**EloSetup.exe** (system detects automatically the correct COM).
- (4) Click on the **EloConfig** icon on the desktop and select **Calibrate Touch** screens.
- (5) Follow the simple calibration procedure.
- (6) Right-click the **Elo** icon in the task bar.

Click **Align** and follow the further instructions on the screen.

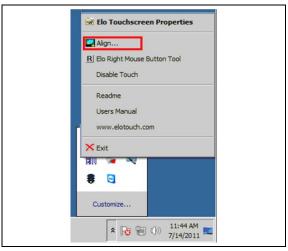


Figure 32

DOCUMENT CONTROL NOTE:

- (7) Again, right-click the **Elo** icon in the task bar.
- (8) To use the right mouse button tool, click Elo Right Mouse Button Tool. This opens the right mouse button tool.



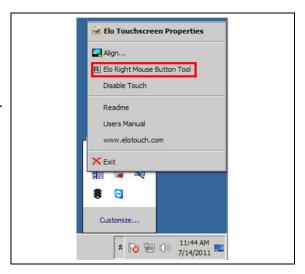


Figure 33



NOTE:

It is recommended to complete installation and setup with USB mouse and USB keyboard connected.

4.5 Option for use with wireless mouse: Install Bluetooth stick driver

- (1) Download the driver installer software from the Agfa Medimg Library.

 Direct Radiography > DX-D 100 Wireless > Software
- (2) Unzip the downloaded file.
- (3) Navigate to the **Install_files** folder.
- (4) Execute the setup.exe file.The Choose Setup Language dialog box appears.
- (5) Select a language.
- (6) Click **OK**.

The InstallShield wizard starts.

(7) Follow the instructions of the wizard to install the Bluetooth driver.



Figure 34

DOCUMENT CONTROL NOTE:

5 Install NX software



NOTE:

NX with all its DR installers (XRDI, ASC, etc.) is fully Windows 10 compliant as of NX 21.00 SU1.

- (1) Insert the USB storage device with NX files (see section 1.1.3).
- (2) Browse to:
 Service Software > NX Application NX X* folder (* latest released NX version)
- (3) Double-click the **NX X* (Build.X.X.XXXX).exe** file and follow the installation wizard.
- (4) Shut down the NX Workstation after finishing the installation wizard.
- (5) Restart the NX Workstation.
 If a version is already installed, the wizard will indicate this.



NOTE:

After the first restart of the system, Windows may detect the USB dongle as "new hardware" and the installation wizard pops up.

Follow the instructions of the wizard to install the WIBU drivers.

6 Install all necessary NX subcomponents and Hotfixes

6.1 Install applicable subcomponent software

- (1) It is strongly recommended to use the ELMS Software Collection Tool to install all necessary NX related installers (e.g. XRDI, Sedecal SoftConsole, detector software).
- (2) In case of manual installation, refer to the *NX/MUSICA Acquisition Workstation Service Manual*, Document ID <u>74737949</u>, chapter *Loading installers, licenses and activating configuration.*

6.2 Install latest Hotfix

Observe the information in the NX Bulletins *Current status of NX Windows 7 and Windows 10 hotfixes*, e.g. Document ID <u>73386055</u>.

Windows 10 hotfixes are cumulative: The latest hotfix contains all previous hotfixes. The hotfix is available from

- FUSE or
- ELMS (by using the ELMS Software Collection Tool).

For details see *NX/MUSICA Acquisition Workstation - Service Manual*, Document ID <u>74737949</u> and *FUSE - Service Manual*, Document ID <u>23977509</u>.

6.3 Load license file ALF and activate NX



NOTE:

Re-using the existing license is only possible if the used hardware and the software versions (including the NX version) after the clean installation are identical to the ones before the clean installation.

If there is any difference in hardware (for example when the PC has been exchanged) or software versions, a new license from ELMS is required.

6.3.1 Load existing ALF - PC not exchanged

Skip this step when the ALF that was created with the ELMS Software Collection Tool has been executed on the NX. This installs the license file automatically.

For more information how to load the ALF, refer to *NX/MUSICA Acquisition*Workstation - Service Manual, Document ID <u>74737949</u>, chapter Loading Licenses and Activating the Installation.

6.3.2 Create new ALF File- PC exchanged

When replacing a PC, a new NX license file (ALF) is required.

It is important to follow the "ELMS swap PC workflow" to obtain the new ALF file.

- For instructions refer to the NX/MUSICA Acquisition Workstation Service Manual, Document ID 74737949, chapter Installation and configuration, chapter Obtaining a new ALF file when replacing a PC (ELMS Swap PC workflow).
- Refer also to the Online Help in ELMS, section "Licensing flow for a new MAC address".

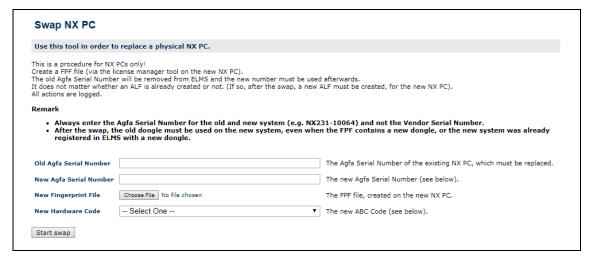


Figure 35: Screenshot of NX Swap PC procedure in ELMS

DOCUMENT CONTROL NOTE:

6.3.3 Activate NX

Via activation the NX features are loaded depending on the license file.

When executing the ALF, created with the ELMS Software Collection Tool, this step is initiated automatically.



NOTE:

When installing a system with a DX-D 40/45 detector, make sure to connect and power ON the System Control Unit (SCU).

For more information how to activate the NX, refer to NX/MUSICA Acquisition Workstation - Service Manual, Document ID <u>74737949</u>, chapter Loading installers, licenses and activating configuration.

6.4 Option: Install LED Status Indicator drivers



NOTE:

This step is only necessary if the LED Status Indicator ("beacon light") is installed.

- (1) Download the software driver installer from the Agfa Medimg Library.

 Direct Radiography > DX-D 100 Wireless > Software
- (2) Execute the CP210x_VCP_Win_XP_S2K3_Vista_7.exe file.



NOTE:

The following routine will run two installers. When the first installer has finished, the second one will follow automatically.

- (3) Open the Windows Control Panel.
- (4) In the Windows Control Panel, select **Device Manager > Ports.**
- (5) Right-click Silicon Labs.
- (6) Select Properties / Port Settings / Advanced.
- (7) Check the COM Port Number.
- (8) Write down the COM port number (for example "7").

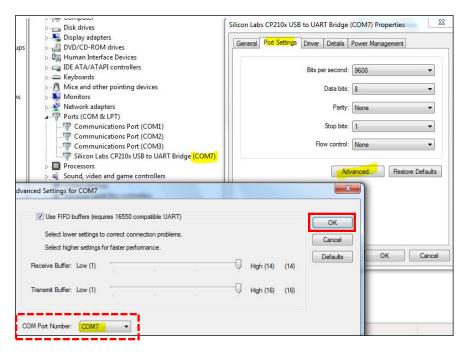


Figure 36

- (9) Click **OK** to finish this procedure.
- (10) Open a text editor.
- (11) In the editor, open the **Leds.xml** file in the **C:\Agfa\Healthcare\Sedecal** directory.
- (12) In the file, search for <port> </port>.
- (13) Change the port as noted down in step (8) (for example <port>7</port>).
- (14) Save the **Leds.xml** file.
- (15) Open SserialConfigXML.xml file in the C:\Agfa\Healthcare\Sedecal directory.
- (16) In the file, search for <LED> </LEDS>.
- (17) Change the value to 1 (<LEDS>1</LEDS>).
- (18) Save the SserialConfigXML.xml file.

7 Configure the Operating System

7.1 Adjust Virtual Keyboard

Since the HotVirtualKeyboard is already installed by the Activation Utility, only some system settings should be adjusted as described in section 7.1.2.

In case the Virtual Keyboard pops up and a real keyboard is connected, press the **Shift** key and the pop-up will disappear. This key is recommended as it has no side effects.

7.1.1 Install manually if required



NOTE:

In case the Virtual Keyboard software is not available on the NX USB flash drive, it can be downloaded from the Agfa Medimg Library:

Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless Generic > Software

(1) Open C:\AdditionalFiles\VirtualKeyboard\ and launch VK4NX 1.0.010.exe.

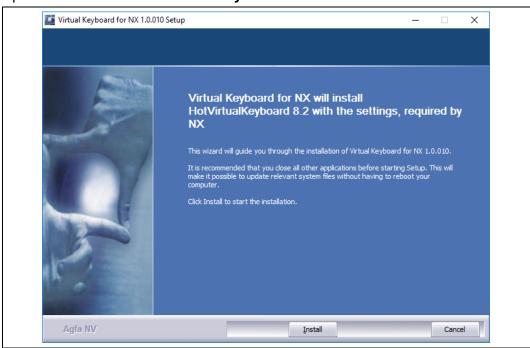


Figure 37

(2) Click Install.

The Virtual Keyboard will be installed.

(3) After installation select I want to manually reboot later and click Finish.

DOCUMENT CONTROL NOTE:

7.1.2 Adjust sign-in settings

- (1) Go to Start menu > Control Panel > Ease of Access Center.
- (2) Click Change sign-in settings.

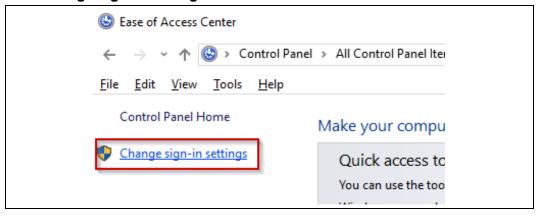


Figure 38

(3) In the At sign-in column: Clear the Type without a keyboard (On-Screen keyboard) checkbox.

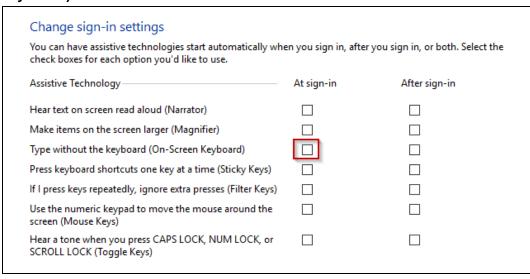


Figure 39

- (4) Click OK.
- (5) Restart the PC.

7.2 Disable Windows firewall

The Windows Firewall must be turned off for proper operation of NX.

- (1) Click the Windows Start Menu Button and type Firewall.
- (1) Click Windows Firewall.
- (2) Click Turn Windows Firewall on or off.

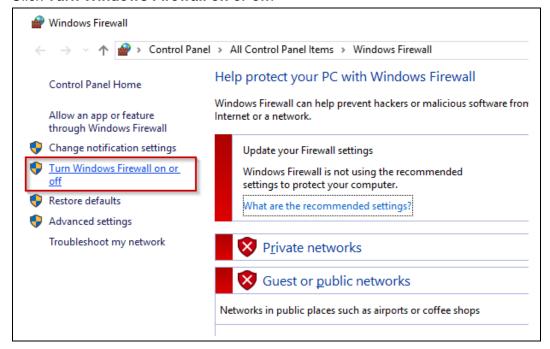


Figure 40

(3) Make sure that *Turn off* Windows Firewall is selected twice, so that the firewall is deactivated.

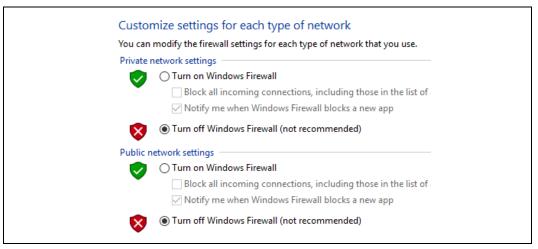


Figure 41

(4) Click OK.

7.3 Disable edge swipe

- (1) Click the Windows Start Menu button and type **gpedit.msc**.
- (2) Click **gpedit.msc**.
- (3) Navigate to Local Computer Policy > Computer Configuration > Administrative Templates > Windows Components > Edge UI.
- (4) Double-click Allow edge swipe.
- (5) Select **Disabled**.
- (6) Click **OK**.
- (7) Close the Local Group Policy Editor. The policy will be take effect after the next login.

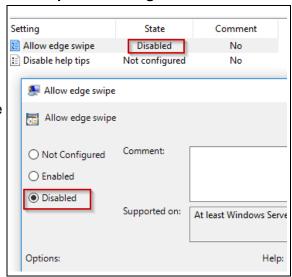


Figure 42

DOCUMENT CONTROL NOTE:

7.4 Adjust Ctrl-Alt-Del and power options

- (1) Click the Windows Start Menu Button and type **gpedit.msc**.
- (2) Click gpedit.msc.
- (3) Navigate to Local Computer Policy > User Configuration > Administrative Templates > System > Ctrl-Alt-Del Options.
- (4) Double-click Remove Lock Computer.
- (5) Select **Not Configured**.
- (6) Click **OK**.
- (7) Close the Local Group Policy Editor.The policy will be take effect after the next login.

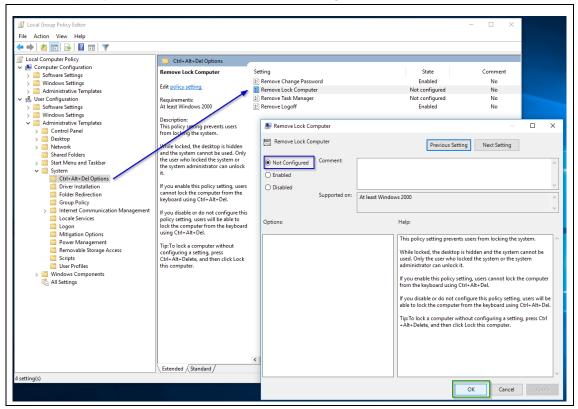


Figure 43

- (8) Click the Windows Start Menu Button and type **Gpudate**.
- (9) Press Enter.
 - The policy is updated.
- (10) Right-click the Windows Start Menu Button and click **Power Options**.

DOCUMENT CONTROL NOTE:

(11) Click Choose what the power buttons to do.

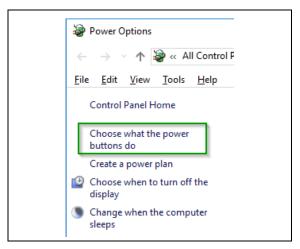


Figure 44

(12) Click Change settings that are currently unavailable.



Figure 45

(13) Adjust power settings as shown in Figure 46.

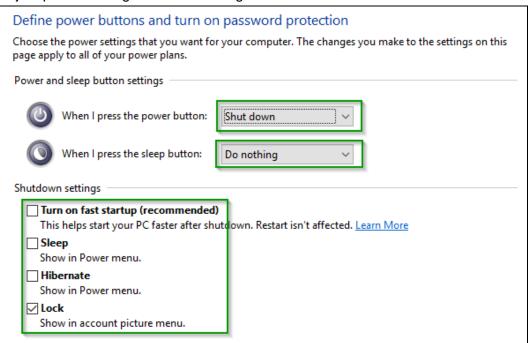


Figure 46

(14) Click Save changes.

DOCUMENT CONTROL NOTE:

7.5 Enable Windows Backup/Restore feature



NOTE:

Depending on the NX hardware and how it has been staged, it may be that the Backup/Restore feature is not enabled. In that case it will not be possible to create a system repair disc or to restore a previously created image.

- (1) Log in as crservice.
- (2) Click the Windows Start Menu button and type cmd.
- (3) Double-click Command Prompt.
- (4) Type reagent /info and press Enter.

```
C:\Users\CRService>reagentc /info
Windows Recovery Environment (Windows RE) and system reset configuration
Information:

Windows RE status: Disabled
Windows RE location:
Boot Configuration Data (BCD) identifier: 00000000-0000-0000-0000-00000000000
Recovery image location:
Recovery image index: 0
Custom image location:
Custom image index: 0

REAGENTC.EXE: Operation Successful.
```

Figure 47

- (5) If the Windows RE status is "Disabled": Type reagentc /enabl and press Enter.
- (6) Check if the Windows RE status is enabled by typing **reagent /info** again and pressing **Enter**.



NOTE:

If creation of a system repair disc still fails, repeat the procedure but first explicitly disable the feature by executing **reagentc /disable**.

7.6 Fix COM1



NOTE:

After a clean installation the COM1 port does not work. It has to be removed and added again.

- (1) Click the Windows Start Menu Button and type **device manager**.
- (2) Double-click Device Manager.
- (3) Navigate to Ports (COM & LPT) > COM1.

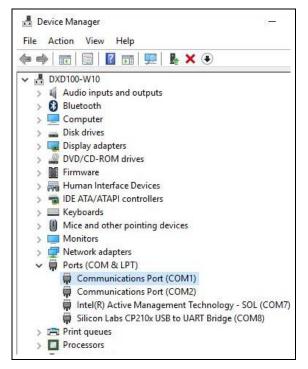


Figure 48

- (4) Press **Delete** on the keyboard.
- (5) Click **OK** in the confirmation window.
- (6) Right-click on **DX-D100-W10**.
- (7) Click Scan for hardware changes. COM 1 will now correctly be installed.

8 Check network settings (IP addresses)

The following section describes the settings that will be applied by production.

(1) Adapt the default network settings if needed. See previously noted IP addresses (see section 1.2).

8.1 Default setting

The configured IP address of the Access Point and IP address of the network interface card (NX) depends on the detector used:

	Recommended IP address			
	Network in	terface in NX	Access point	
Detector	IP address	Related subnet mask		
DX-D 30/35	192.168.100.20	255.255.255.0	192.168.100.200	
DR 10s/14s	192.168.100.20	255.255.255.0	192.168.100.200	
DX-D 40/45	169.254.0.50	255.255.0.0	External AP: 169.254.2.200 Mini SCU: 169.254.2.100	
XD 10/14/17	169.254.0.50	255.255.0.0	169.254.2.100	
DR 10e/14e/17e	192.168.0.10 *	255.255.255.0	192.168.0.20	

^{*} The IP address must be 192.168.YYY.10 (YYY = 0 for IRI ≤ 2.1 or YYY = 0 to 255 for IRI ≥ 3.0); Adapter name must be Eth1.

Refer also to figures below, the *DR wireless networking - Service Manual*, Document ID <u>58221971</u> and the respective detector manual.

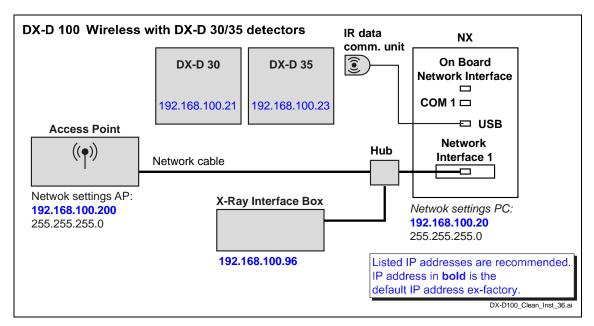


Figure 49: Network setting DX-D 30/35

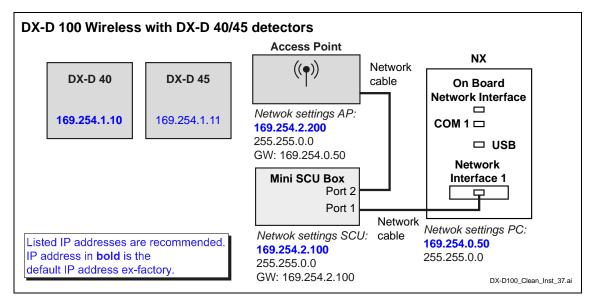


Figure 50: Network setting DX-D 40/45

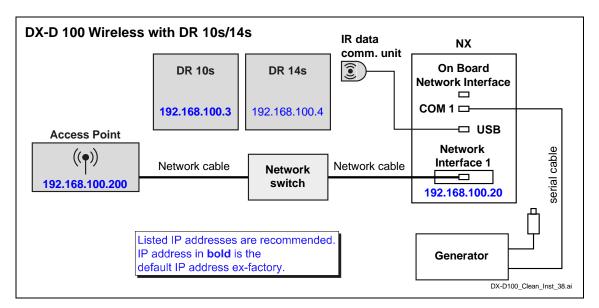


Figure 51: Network setting DR 10s/14s



NOTE:

For DR 10e/14e/17e detectors the name of the wireless network adapter has to be changed to "Eth1".

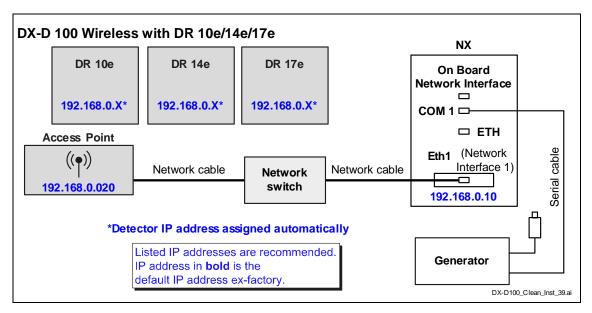


Figure 52: Network setting DR 10e/14e/17e

DOCUMENT CONTROL NOTE:

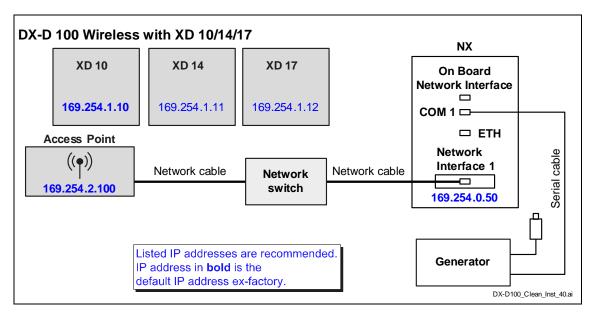


Figure 53: Network setting XD/XD+10/14/17

9 Install detectors

9.1 Portable DX-D 10/20 detectors (DX-D 100 only)



NOTE:

On a WIN 10 PC, the installation of VRN 8.0 in combination with Intel® I210-T1 network cards is *required*.

For details refer to DX-D 100 - SB111 - DX-D 10/20/Fixed detector software VRN 8.0 released, Document ID 67257724.

When using DX-D 10/20/Fixed Detectors on a Windows 10 PC:

- Install Intel® I210-T1 Network Card.
- Install VRN 8.0 (or later).

For installation instructions refer to

- DX-D 10 / DX-D 20 / DX-D Fixed Detector Service Manual, Document ID 41222172
- (1) Make sure to use the Varian Detector DAT file of the original installation (see section 1.2).

For detector configuration refer to section 10 Configure NX.

9.2 Wireless detectors (DX-D 100 Wireless only)



NOTE:

When using DX-D 30/35 or DR 10s/14s Detectors on a Windows 10 PC:

Only "new" IR data communication units are compatible with Windows 10.
 Compatible units can be recognized at serial number starts with "TA". Or check compatibility with "CheckPL2303ChipVersion" tool with Document ID 62206660.
 If not compatible, it has to be replaced. Refer also to the DX-D 100 Wireless – Service Manual, Document ID 66210593, chapter Repair.



NOTE:

When using DX-D 40/45 Detectors, make sure to *disable* the Access Point functionality on the mini SCU, if there is one.

For installation instructions refer to the dedicated detector manuals:

- DX-D 30C / DX-D 35C Detector Service Manual, Document ID 41477269.
- DX-D 40 / DX-D 45 / DX-D 60 Service Manual, Document ID 45016244.
- DR 10s / DR 14s Service Manual, Document ID 53659727.
- DR 10e / DR 14e / DR 17e Service Manual, Document ID <u>58669036</u>.
- XD 10 / XD 14 / XD 17 Service Manual, Document ID 74858636.

For detector configuration refer to section 10 Configure NX.

10 Configure NX

10.1 Load backup in NX Configuration Tool

By loading the backup, the detector configurations are restored also.

- (1) Stop NX: NX Control Center > Stop NX
- (2) Start NX Configurator: NX Control Center > NX > Start NX configurator

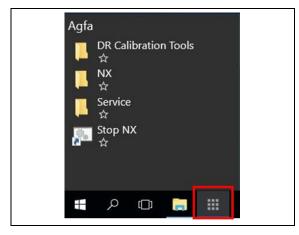


Figure 54

(3) Click Load a configuration from an external file

and load the backup of the NX configuration file (see section 1.2).



Figure 55

(4) Ignore the warning icon, in case it appears.

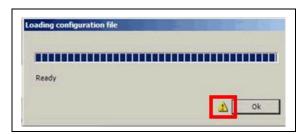


Figure 56

11 Configure Sedecal SoftConsole

11.1 Adjust Sedecal SoftConsole files

- (1) Use the backup files (see section 1.2) to change the following files.
- (2) It is recommended to compare backup and new file and then adapt the *new* file accordingly.
 - C:\Agfa\Healthcare\Sedecal\SiteConfig.xml
 - C:\Agfa\Healthcare\Sedecal\SedecalConfig.xml
 - C:\Agfa\Healthcare\Sedecal\ExtConsoleConfig.xml
 - C:\Agfa\Healthcare\Sedecal\Leds.xml

12 Verify clean installation

(1) Perform a DR workflow as described in Service Quality Test – Instructions, Document ID <u>54513844</u>.

13 Create backup of NX configuration data

After the clean installation, it is recommended to create a backup of the NX configuration data.

For details refer to the *NX/MUSICA Acquisition Workstation - Service Manual*, Document ID <u>74737949</u>,

Explanation of notes 14

Safety-relevant notes

Icon	Signal word	Situation	
<u> </u>	CAUTION:	Hazardous situation which, if not avoided, can lead to a minor injury to a user, engineer, patient or any other person.	
	WARNING:	Hazardous situation which, if not avoided, can lead to a potential serious injury to a user, engineer, patient or any other person.	
<u>^</u>	DANGER:	Direct, immediate danger: If not avoided, it can lead to a serious injury to a user, engineer, patient or any other person	
	-	Instruction to avoid damage to equipment and/or environmental pollution.	
0	-	Prohibition to avoid damage to equipment and/or environmental pollution.	

Non-safety-relevant notes

Icon	Name	Type of information	
	IMPORTANT:	Highlights very important actions which have to be carried out to prevent malfunction.	
	NOTE:	 Indicates advice to facilitate the following step or action without having a direct influence on the step or action. 	
		Highlights unusual points.	
		Indicates background information.	
		Can be used to explain or highlight displays of the graphical user interface.	

Conventions 15

Style		Use case	Example	
(1)	Step 1	Step by step task description	(2) Connect the cables.	
(2)	Step 2		(3) Mount the cover.	
Bold		Menu topics, keyboard keys, device buttons, commands, and so on	Press F9 or double-click the Refresh button.	
Italic		Emphasizing a word or indicating references in continuous text	Do <i>not</i> insert the USB flash drive yet. Refer to section 10, <i>Release</i> information.	
Cour		System messages	When the success message appears, close the window.	