

## Service Bulletin

Revised version: Atheros driver version corrected in overview table in section 1.3.

## Announcement of System Version 8.0

Task			
Timing	Category		Scope
Next service as agreed with customer	<input type="radio"/>	Apply at all sites	Problem Record: PRB0048935, PRB0049986
	<input type="radio"/>	Apply at affected sites as listed below	
	<input checked="" type="radio"/>	Optional to improve functionality of product	

### Task Tracking

After completion of your task the following entry in your Service Report is required:

DD+DIS081.16E

\*

\* Insert the document number into the field "Comment" (SMS form).

Purpose of this document:

- This document announces system version 8.0 of the DX-D 100 / DX-D 100 Wireless system.
- It introduces the new subtype 5411/400 for the DX-D 100 Wireless system.
- It lists the components and software which have been introduced with system version 8.0.
- It contains the solutions for the listed PRB cases.

Affected serial number(s) / batch: Refer to section 1.4

The signatures on the approval page indicate the solutions described in this Service Bulletin have been reviewed and are NOT reportable because no actions are taken to reduce a "Risk to Health" according to our risk assessment process.

Use, dissemination, distribution or reproduction of this bulletin by unauthorized personnel is not permitted and may be unlawful.  
 The controlled version of this document is available from the Agfa HealthCare Library. Any printed copy of this document is uncontrolled.

Copyright © 2017 Agfa HealthCare N.V. | Document ID: 54926361 | service\_bulletin\_template\_v10

Release date: 01-2017

DX-D 100 / DX-D 100 Wireless

Agfa HealthCare Company Confidential Type 5410/050 / 5411/050/300/400

Page 1 of 12

## List of contents

1	Introduction .....	3
1.1	New components of DX-D 100 / DX-D 100 Wireless version 8.0 .....	3
1.1.1	Release of Wireless detectors DR 10s and DR 14s .....	3
1.1.2	Canon Detector Software CDI 3.4 .....	3
1.1.3	SoftConsole version SC 5.6 .....	3
1.2	Overview of DX-D 100 subtypes and configurations.....	4
1.3	Version overview .....	5
1.4	Solved PRB cases.....	6
1.4.1	Screws of parking block loosened (PRB0048935).....	6
1.4.2	Telescopic arm locked (PRB0049986).....	7
2	Prerequisites .....	8
3	Instructions.....	10
3.1	DX-D 100 Wireless V8.0 new installation.....	10
3.2	Upgrading existing DX-D 100 / DX-D 100 Wireless systems to V8.0 .....	10
3.3	Preparing the upgrade.....	11
3.4	Upgrading software on NX workstation .....	11
4	Verification .....	12
5	Keywords .....	12
6	Version history .....	12

## 1 Introduction

### 1.1 New components of DX-D 100 / DX-D 100 Wireless version 8.0

#### 1.1.1 Release of Wireless detectors DR 10s and DR 14s

With DX-D 100 Wireless system version 8.0 the new DR 14s and DR 10s wireless detectors with **Trixiell Detector Software TRI 2.0** are introduced.

- The large DR 14s detector is available as Csl and GOS version.
- The small DR 10s detector is only available as Csl version.
- Detector sharing is supported (one detector used on different NX) for DR 10s/14s detectors.
- The new Subtype 5411/400 for DX-D 100 Wireless was created.

Both detectors are released for new installations and the installed systems of type 5411/050 (DX-D 30/35). DR 10s/14s detectors require the installation of Trixiell Detector Software TRI 2.0 (or later). All upgrade scenarios and installation steps are described in the DX-D 100 Wireless V8 - Service Manual.

An IR data communication unit is required for detector installation and (optional) sharing of detectors between 2 NX workstations.

Additional hardware items depend on the installation (e.g. Network Interface Card, Network switch). For details refer also to section 2 Prerequisites.

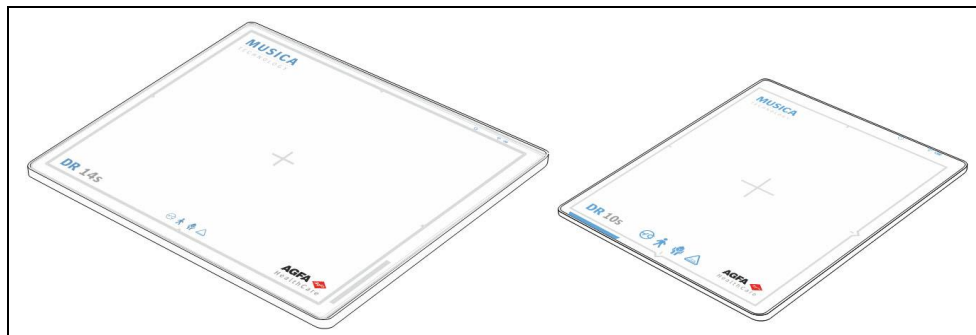


Figure 1

#### 1.1.2 Canon Detector Software CDI 3.4

With system version 8.0 the Canon Detector Software CDI 3.4 is introduced, to be installed on all DX-D 100 Wireless systems Type 5411/050 with DX-D 30/35 detectors.

#### 1.1.3 SoftConsole version SC 5.6

With system version 8.0 the SoftConsole 5.6 is introduced.

## 1.2 Overview of DX-D 100 subtypes and configurations

The new subtype 5411/400 has been created for DX-D 100 Wireless solutions.

This new subtype '400' is the indicator for the DR10s / DR14s detectors.

The following 4 different DX-D 100 configurations are available as from DX-D 100 V8.0:

- Type number 5410/050, with tethered detector DX-D 10C/G or DX-D 20C/G
- Type number 5411/050, with wireless detector DX-D 30C or DX-D35C
- Type number 5411/300, with wireless detector DX-D 40C/G or DX-D 45C/G
- Type number 5411/400, with wireless detector DR10s / DR14s

	DX-D 100 5410/050	DX-D 100 wireless 5411/050	DX-D 100 wireless 5411/300	DX-D 100 wireless 5411/400
DX-D 20C/G	✓	-	-	-
DX-D 10C/G	✓	-	-	-
DX-D 30C	-	✓	-	-
DX-D 35C	-	✓	-	-
DX-D 40C/G	-	-	✓	-
DX-D 45C/G	-	-	✓	-
DR 10s	-	-	-	✓
DR 14s	-	-	-	✓

### 1.3 Version overview


**NOTE:**

At the release of this Bulletin the new installations are delivered with DX-D 100 Wireless system version 8.0. This summer also new components like NX8950, XRDI 18, TRI 2.1 and VDI 3.1 will be released in higher system versions.

It is possible to upgrade the components to its latest versions. Refer to SB 79 – “Release of NX3.0.8950, XRDI 18, ASC 4.1, VDI 3.1” with Document ID [54614702](#) for more instructions.

System version	7	8.0*	8.0.10	8.1
Type	5410/050	5410/050	5410/050	5410/050
	5411/050	5411/050	5411/050	5411/050
	5411/300	5411/300	5411/300	5411/300
		5411/400	5411/400	5411/400
NX Workstation	NX 8900 SU1	NX 8900 SU2	NX 8900 SU2	NX 8950
XRDI	16	17.1	17.1	18.0
Canon Detector Software CDI	3.3	3.4	3.4	3.4
VDI software	2.0	3.0	3.1	3.1
Trixell Detector Software TRI	n.a.	2.0	2.0	2.1
Sedecal SoftConsole	5.5 SU1 Build no. 5.5.015	5.6	5.6	5.6
Agfa Softconsole ASC	2.0	4.0	4.0	4.1
Sedecal TechServ	6.15	6.15	6.15	6.15
Generator firmware ATP Console	V7R1b78	Type 5411/050/300: V7R1b78	Type 5411/050/300: V7R1b78	Type 5411/050/300: V7R1b78
		Type 5411/400: V7R1b82	Type 5411/400: V7R1b82	Type 5411/400: V7R1b82
Generator firmware HT controller	V5R8.9	V5R8.9	V5R8.9	V5R8.9
Motion Control Board firmware	V11R3b5	V11R3b7	V11R3b7	V11R3b7
Atheros driver	V10.0.0.297	V10.0.0.297	V10.0.0.297	V10.0.0.297

\* Standard configuration that is installed ex factory

## 1.4 Solved PRB cases

### 1.4.1 Screws of parking block loosened (PRB0048935)

*Symptom* Parking block mounting screws loosened.

*Cause* Quality issue of some fixation screws at the DX-D100 telescopic arm.  
The lock pin bracket fixation screws kit come loose.



Figure 2

*Solution* Quality of the fixation screws improved. The AET washers are changed to Nord-lock washers in order to make the fixation stronger. Also the head of the screws is marked in order to ensure that the final tightening according to the torque defined (4,6 Nm) has been applied.

No need for replacement in the field, change was implemented in production as of:

- DX-D 100 Type 5410 / 050 (DX-D 10/20) from SN A5410001006
- DX-D 100 wireless Type 5411 / 050 (DX-D 30/35) from SN A5411001170
- DX-D 100 wireless Type 5411 / 300 (DX-D 40/45) from SN A5411002043

### 1.4.2 Telescopic arm locked (PRB0049986)

*Symptom* Telescopic arm locked in park position due to loosen screws.

*Cause* The loosen screws of the pin locks the arm in the park position.

*Solution* Attachment of the pin with 2 Allen wrench's instead of only one.

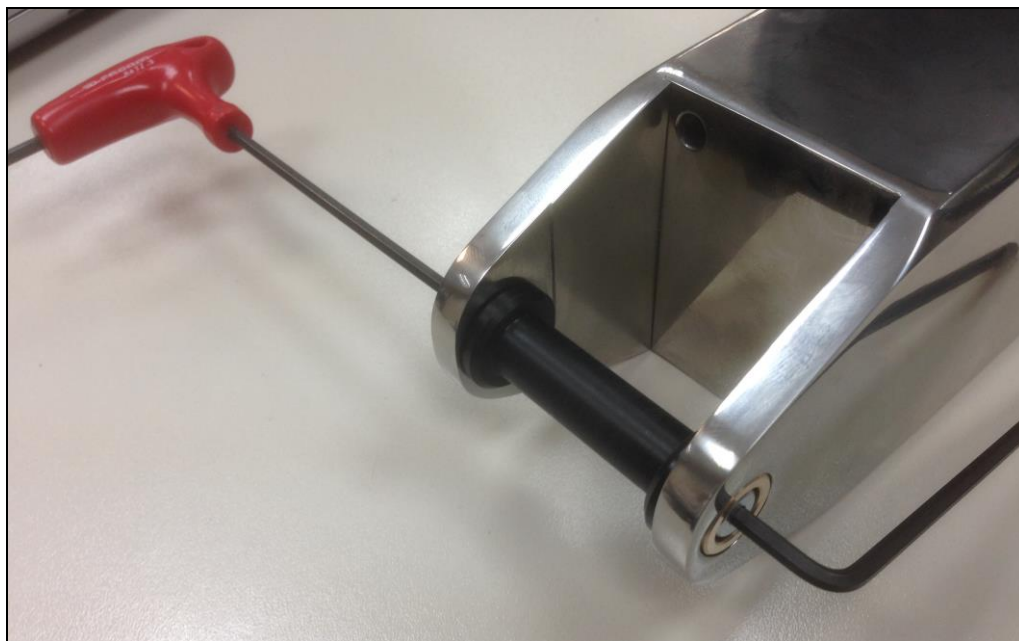


Figure 3

## 2 Prerequisites



### SOFTWARE:

- ELMS license for TRI 2.0 needs to be activated

Download the following software from the Agfa HealthCare Library to a USB flash drive (checked to be virus-free).

- Trixell Detector Software TRI 2.0  
**Direct Radiography > DR Detectors > DR 10s/DR 14s/Pixium 4343 > Software**
- Canon Detector Software CDI 3.4 *(for all systems with DX-D 30/35 detectors)*  
**Direct Radiography > DR Detectors > DX-D 30C/DX-D 35C > Software**
- Canon Detector Software CDI 3.4 *(for all systems with DX-D 30/35 detectors)*  
**Direct Radiography > DR Detectors > DX-D 30C/DX-D 35C > Software**
- X-Ray Generator Software Sedecal SoftConsole 5.6  
**Direct Radiography > DX-D Components > Generator > Software**



### TOOLS:

- Portable storage medium, checked to be virus-free, e.g. USB Flash Drive.
- Standard service tool kit



### SPARE PARTS:

Required parts to add a DR 10s/14s detector:

Order the following parts (depending on installation – see tables below).

#### Detector Hardware:

Part	Spare Part Number	ABC Code
DR14s Pixium 3543 EZ-C	n.a.	5ZSDE
DR14s Pixium 3543 EZ-G	n.a.	5ZSEG
DR10s 2430 EZ-C	n.a.	5711E
Battery Charger	TR+63102146	5714L
Battery Pixium EZ (one battery)	TR+62821231	5713J
DR14s Link package	n.a.	574KS
DR10s Link package	n.a.	574JQ



### NOTE:

The Link Packages will be available later after the release of system version 8. These packages contain the user manual and identification labels. Until the link packages are available it is possible to download the user manual from the Agfa HealthCare library.





## REFERENCED DOCUMENTS:

- Mobile X-Ray Unit - Service Manual  
**Direct Radiography > DX-D 100 > DX-D 100 Generic > Service Manual**,  
Document ID [41600560](#).
- DX-D 100 Wireless - Service Manual  
**Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless V7 > Service Manual**, Document ID [51229591](#)
- DX-D100 - Service Manual  
**Direct Radiography > DX-D 100 > DX-D 100 V7 > Service Manual**,  
Document ID [51228328](#)
- DX-D100 / DX-D 100 Wireless - Spare Parts List  
**Direct Radiography > DX-D 100 > DX-D 100 Generic > Service Spare Parts**,  
Document ID [30872155](#)
- DX-D100 / DX-D 100 Wireless - Spare Parts List  
**Direct Radiography > DX-D 100 > DX-D 100 Generic > Service Spare Parts**,  
Document ID [30872155](#)

**IMPORTANT:**

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

### 3 Instructions



**REQUIRED TIME:**  
60 minutes



**IMPORTANT:**

If the DR 10s/14s detector will be used at different systems:  
Configure the detector on all systems in the same way (e.g. use the same IP address for the network interface card and detector).



**NOTE:**

At the release of this Bulletin the new installations are delivered as DX-D 100 System Version 8.0 with NX8900 SU2, XRD117.1 and TRI 2.0. This summer also new components like NX8950, XRD1 18 and TRI 2.1 will be released with DX-D 100 Wireless System version 8.1 (see section 1.3 Version overview).

It is possible to upgrade the components to its latest versions immediately. Refer to SB 79 – “Release of NX3.0.8950, XRD1 18, ASC 4.1, VDI 3.1” with Document ID [54614702](#) for more instructions.

#### 3.1 DX-D 100 Wireless V8.0 new installation

Installation of a new DX-D 100 Wireless V8.0 system is described in the *DX-D 100 Wireless V8 - Service Manual*.  
See *Referenced Documents* in section 2 of this bulletin.

#### 3.2 Upgrading existing DX-D 100 / DX-D 100 Wireless systems to V8.0

Two scenarios are possible:

- (1) Replacing wireless DX-D 30/35 detectors with DR 10s/14s detectors.
- (2) Updating the existing installation with the latest component software.



**IMPORTANT:**

- It is not possible to use DX-D 30/35 at the same time with DR10/14. Only one type of detectors can be used / configured at a time.
- It is not required to adapt the type label of the DX-D 100 Wireless Type 5411/050 to 5411/400.

Installation instructions for scenario 1:

For a detailed description refer to *DX-D 100 Wireless V8 – Service Manual*, section 11 Upgrade procedures.

Installation instructions for scenario 2:

For update of the software components refer to the next sections in this bulletin.

### 3.3 Preparing the upgrade



#### IMPORTANT:

The following step is crucial as some files will be lost after the upgrade:

- (1) Make a copy of the **SiteConfig.xml** file which is located in the **C:\Agfa\Healthcare\Sedecal** folder.

### 3.4 Upgrading software on NX workstation

Perform the following steps at the NX Workstation to upgrade to Sedecal Softconsole 5 and CDI 3.4:

- (1) Stop NX.
- (2) Copy the applicable Sedecal Softconsole installer to **C:\Agfa\Healthcare\NX\Installers\Sedecal**  
Create the folder if it doesn't exist.
- (3) Copy the applicable CDI installer to **C:\Agfa\Healthcare\NX\Installers\CDIDetector Software**  
Create the folder if it doesn't exist.
- (4) Export the current NX configuration via NX configuration tool.
- (5) Load the updated NX license file (.alf) via the license manager.
- (6) The following error message may occur. Click **Yes** to continue.

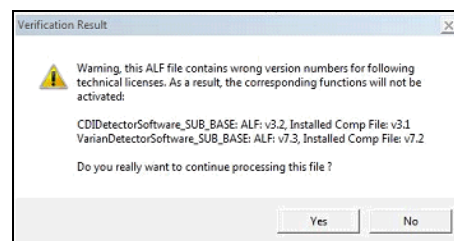


Figure 4

- (7) Load the new installers by using the Activation Utility Helper.
- (8) Reload the previously saved NX configuration via NX configuration tool.



- (9) Activate the configuration.
- (10) Restore the backup file saved in section 3.3.

### Installation instructions for all scenarios

For the installation sequence, see

- DX-D 100 Wireless - Service Manual Document ID [51229591](#), section 4.
- DX-D100 - Service Manual Document ID [51228328](#), section 4.

For detailed installation information about the DR10s / DR14s detectors, see

- DR 10s / DR 14s - Service Manual, Document ID [53659727](#)

## 4 Verification

Depending on what was updated:

Check if the correct build numbers are displayed in

**Start > Control Panel > Programs > Add or Remove Programs**

Build number should be at least:

- SC 5.6: SC5.06.003 or higher
- CDI 3.4: 3.4.0100 or higher

## 5 Keywords

Detectors, parking mechanism

## 6 Version history

Version	Change	Date
1.0	Initial version	07-2016
1.1	Atheros driver version corrected in overview table in section 1.3. Correct version is V10.0.0.297.	01-2017



### Details as of PDF Creation Date

#### Document Metadata

<b>Title:</b>	DX-D 100 Wireless - Service Bulletin No. 81 - Announcement of System Version 8.0
<b>Livelihood ID:</b>	54926361
<b>Version#:</b>	14
<b>Version Date:</b>	2017-01-17 02:33 PM CET
<b>Status:</b>	Approved on 2017-01-23 08:23 AM CET
<b>Owner:</b>	Carsten Bockel (awyuq)
<b>Created By:</b>	Carsten Bockel (awyuq)
<b>Created Date:</b>	2016-05-19 03:15 PM CET
<b>PDF Creation Date:</b>	2017-01-23 08:23 AM CET

### This document was approved by:

#### Signatures:

1. Josef Wagner (agwj) on 2017-01-17 05:11 PM CET
2. Paul Merckx (amdag) on 2017-01-18 12:50 PM CET
3. Bart Biesemans (amajm) on 2017-01-18 10:31 AM CET
4. Lieven Lauwers (awibr) on 2017-01-20 02:52 PM CET

#### Detailed Approver History:

- **Approval Workflow started on 2017-01-17 02:34 PM CET**
  - Approval task originally assigned to and completed by Josef Wagner (agwj) on 2017-01-17 05:11 PM CET
  - Approval task originally assigned to and completed by Lieven Lauwers (awibr) on 2017-01-20 02:52 PM CET
  - Approval task originally assigned to and completed by Bart Biesemans (amajm) on 2017-01-18 10:31 AM CET
  - Approval task originally assigned to and completed by Paul Merckx (amdag) on 2017-01-18 12:50 PM CET

#### Version & Status History

Version#	Date Created	Status

14	2017-01-17 02:33 PM CET	Approved - 2017-01-23
13	2017-01-17 02:32 PM CET	
12	2017-01-16 01:34 PM CET	Reviewed - 2017-01-17
11	2017-01-16 01:33 PM CET	
10	2017-01-10 02:38 PM CET	Reviewed - 2017-01-16
9	2016-07-29 02:26 PM CET	Published - 2016-08-18 Approved - 2016-08-03
8	2016-07-29 02:24 PM CET	
7	2016-07-27 03:57 PM CET	Reviewed - 2016-07-29
6	2016-07-27 03:57 PM CET	
5	2016-07-26 05:10 PM CET	

#### Applied Categories and Attributes:

<b>Agfa Healthcare Library</b>	
Document Type:	Service Bulletin
Category > SubCategory > Item:	Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless Generic
Content Manager:	Josef Wagner (agwj)
Summary:	Service Bulletin No. 81 - Document Number DD+DIS081.16E - Version 1.0 Purpose of this document: - This document announces system version 8.0 of the DX-D 100 / DX-D 100 Wireless system. - It introduces the new subtype 5411/400 for the DX-D 100 Wireless system. - It lists the components and software which have been introduced with system version 8.0. - It contains the solutions for the listed PRB cases.  This is a part of the Service Documentation DX-D 100 Wireless.
Language:	English
Availability:	Extranet
Language Master Document:	
Fileshare FTP URL:	