


Support Matrix

- Describes which combination of Spectrometer, Software and Operating System is supported
TopSpin - ParaVision

Version 004



Copyright © by Bruker Corporation

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, or by any means without the prior consent of the publisher. Product names used are trademarks or registered trademarks of their respective holders.

© October 09, 2018 Bruker Corporation

Rheinstetten, Germany

P/N: H168439

1	Overview	5
2	Supported Spectrometer Hardware.....	6
2.1	TopSpin.....	6
2.2	ParaVision.....	6
2.3	Dependencies of ParaVision to TopSpin.....	7
3	Supported operating systems	8
3.1	Acquisition Support.....	8
3.2	Processing Support	8
4	Support of additional Bruker BioSpin software	9
4.1	CMC Products.....	9
4.2	Dynamics Center 2.x	9
4.3	InsightMR.....	10
4.4	Sample Track.....	10
4.5	SamplePro Tube Control	11
4.6	Profiler 2.0.....	11
4.7	PrepGilsonST.....	11
4.8	Profiler.....	12
4.9	BEST-NMR	12
4.10	HyStar – standard installation.....	13
4.11	AURELIA-AMIX.....	13
5	Software licensing	14
5.1	Bruker software related.....	14
6	Available disk images.....	15
6.1	HP Z4 G4 workstation.....	15
6.2	HP Z440 workstation	15
7	Contact.....	16

1 Overview

Software versions:

TopSpin: 4.0, 3.6, 3.5

This document contains support information regarding TopSpin 4.0. Separate documents for older TopSpin Releases (TopSpin 1.2 up to TopSpin 3.5pl7) and XWIN-NMR are available on the Bruker homepage (<https://www.bruker.com/>).

ParaVision: 360, 6.0.1

This document contains support information regarding ParaVision 6.0.1. Separate documents for older ParaVision releases (ParaVision 3.0 up to 6) are available on the Bruker homepage (<https://www.bruker.com/>).

Spectrometer type: Avance Neo, Avance IIIHD, Avance III

Operating system:

Windows: 7 / 10

Linux: CentOS 5 / 7

Apple: OS X 10.11 / macOS 10.12 / macOS 10.13

2 Supported Spectrometer Hardware

2.1 TopSpin

Spectrometer Type	4.0	3.6	3.5	3.2	3.1	3.0	2.1	2.0	1.3
Avance Neo	•	-	-	-	-	-	-	-	-
Avance IIIHD	-	•	•	•	-	-	-	-	-
Fourier HD	-	•	•	•	-	-	-	-	-
Fourier 300	-	-	-	•	•	-	-	-	-
Avance III	-	•	•	•	•	•	•	•	-
Avance II	-	-	-	•	•	•	•	•	•
Avance I	-	-	-	-	-	-	•	•	•
Avance DRX, DPX, DMX ¹ , DSX	-	-	-	-	-	-	-	-	•

Table 2.1: Which Spectrometer Hardware is supported by which TopSpin version. Shaded combinations have reached the End Of Service (EOS), check also <https://www.bruker.com/service/information-communication/product-end-of-life.html>.

¹ No TopSpin support for DMX if a 4-phase modulator is available. If in doubt send the file 'hardware_list' from your spectrometer configuration directory to nmr-support@bruker.com

2.2 ParaVision

Spectrometer Type	360	6	5.1	5.0	4.0	3.0
Avance Neo	•	-	-	-	-	-
Avance IIIHD	-	•	-	-	-	-
Avance III	-	•	•	•	-	-
Avance II	-	•	•	•	•	-
Avance I	-	-	•	•	•	•
Avance DSX	-	-	-	-	-	•
Avance DBX	-	-	-	-	•	•

Table 2.2: Which Spectrometer Hardware is supported by which ParaVision version. Shaded combinations have reached the End Of Service (EOS), check also <https://www.bruker.com/service/information-communication/product-end-of-life.html>.

2.3 Dependencies of ParaVision to TopSpin

ParaVision Release	TopSpin Release	Comment
360	4.0.4	Standard TopSpin version
6.0 / 6.0.1	3.1pv	TopSpin is a ParaVision only version
5.1	2.0pvPL5	TopSpin is a ParaVision only version
5.0pl3	2.0pvPL3	TopSpin is a ParaVision only version
5.0	2.0pv	TopSpin is a ParaVision only version
4.0	1.5	TopSpin is a ParaVision only version

Table 2.3: Which ParaVision requires which TopSpin version

3 Supported operating systems

3.1 Acquisition Support

Operating System (64bit)	Version	TopSpin	ParaVision
Windows	10	4.0, 3.6, 3.5	-
Windows	7 Professional	4.0, 3.6, 3.5	-
Linux	CentOS 7	4.0, 3.6, 3.5	360, 6.0.1
Linux	CentOS 5	3.6, 3.5	6.0.1, 6.0, 5.1

Table 3.1: Acquisition support for **64-bit** operating systems

3.2 Processing Support

Operating System (64bit)	Version	TopSpin	ParaVision
Windows	10	4.0, 3.6, 3.5	-
Windows	7 Professional	4.0, 3.6, 3.5	-
Linux	CentOS 7	4.0, 3.6, 3.5	360, 6.0.1
Linux	CentOS 5	3.6, 3.5	6.0.1, 6.0, 5.1
Apple	OS X 10.11	4.0, 3.6, 3.5	
Apple	macOS 10.12	4.0, 3.6, 3.5	
Apple	macOS 10.13	4.0, 3.6, 3.5	

Table 3.2: Processing support for **64-bit** operating systems

Operating System (32bit)	Version	TopSpin	ParaVision
Windows	7 Professional	3.5	-
Linux	CentOS 5	3.5	5.1

Table 3.3: Processing support for **32-bit** operating systems

Note: So far all Windows service packs and all Linux updates are supported by the respective TopSpin versions. Bruker BioSpin cannot guarantee that a future operating system update will work correctly with TopSpin. Nevertheless, if a computer is connected to the internet despite this compatibility risk, it needs critical system updates downloaded and installed as soon as possible. Otherwise the Computer is a security risk!

TopSpin 4.0 is also used for data processing on other Linux distributions, including Ubuntu-17.10, Ubuntu-16.04, Debian-9, Fedora-27, openSUSE-Leap 42.3 and Linux Mint 18.3. You will find further information in the Bruker Knowledge Base Article #14407.

4 Support of additional Bruker BioSpin software

4.1 CMC Products

New versions of CMC-assist and CMC-se are released and distributed together with the publication of new TopSpin releases. Please review compatibility accordingly.

TopSpin Release	CMC-assist version	CMC-se version
TopSpin 4.0.5	2.11	2.5.5
TopSpin 4.0.4	2.11	2.5.5
TopSpin 4.0.3	2.10	2.5.4
TopSpin 4.0.2	2.8	2.5.2
TopSpin 4.0.1	2.7	2.5.2
TopSpin 3.6	2.9	2.5.2
TopSpin 3.5 pl7	2.6	2.5.1
TopSpin 3.5 pl6	2.5	2.5

Table 4.1: Which CMC product comes with which TopSpin version

4.2 Dynamics Center 2.x

- **Windows:**
Windows XP, Vista as 32-bit system.
Windows 7, 8.1 as 32- and 64-bit system, Windows 10
- **Linux:**
CentOS 5, CentOS 7
- **Apple:**
macOS 10.12, macOS 10.13

4.3 InsightMR

InsightMR is available in 2 principal versions:

- InsightMR for Avance IIIHD
- InsightMR for Avance Neo

For Avance IIIHD spectrometers the executable contains the most recent TopSpin, IconNMR, InsightMR, Diskless and FlexLM version supporting the hardware, which are installed by selecting 'InsightMR Default' installation type.

For Avance Neo spectrometers the executable contains the most recent TopSpin, IconNMR, InsightMR, SpectrOS and CodeMeter version supporting the hardware, which are installed by selecting 'InsightMR Default' installation type

The same hardware, license and operating system limitations apply as for the underlying TopSpin version.

4.4 Sample Track

Sample Track can be used in general on all kind of 32-bit Windows systems. It has especially been tested on:

- Windows 2000 Windows Server 3000
- Windows XP Windows Server 2003 R2

With Sample Track Version V2.60.18.0 and higher also Windows 7 32- and 64-bit are supported

Sample Track stores information into an Oracle database. This database can be installed on all kind of operating systems which are supported by Oracle (several Windows, Linux and UNIX systems). For more details please refer to the Oracle support information.

A free version of Oracle with limitations will be installed by Bruker as default. Other versions than the free Oracle Database are not offered by Bruker BioSpin; in many cases an Oracle database is already available at the customer site. If not, it must be purchased by the customer himself.

4.5 SamplePro Tube Control

The program for the control of the Bruker LiquidHandler SamplePro Tube is designed for Windows computers only. The basic package of the SamplePro Tube does not contain a control computer. The installation of the Software is supported on the following computers

- Dedicated BRUKER Controlunit for special applications
- BRUKER Workstation for LC-NMR or LC/MS-NMR applications for SPE-TT workflow with HyStar 3.2
- NMR workstation
- Customer supplied computer

Operating System	SamplePro Tube Control 1.3	SamplePro Tube Control 1.2	SamplePro Tube Control 1.1	SamplePro Tube Control 1.0
Windows 7 32/64 bit	•	•	•	•
Windows 10	•	•	-	-
Linux, Mac	-	-	-	-

Table 4.2: SamplePro Tube Control: Supported operating systems

Usage for sample preparation only no direct communication between NMR Hard-/Software and the SamplePro Tube Control is required. Therefore, the usage of the software is independent of any kind of NMR Software, i.e. compatible with all versions.

4.6 Profiler 2.0

The Profiler 2.0 is the successor of the Profiler configuration. The main difference is the replacement of the BRUKER LiquidHandler 215 by the SamplePro Tube, the restriction to Tube preparation (no flow injection NMR) and the limited support of newer LC-MS software. Up to three different computers may be used for this configuration and need to run SampleTrack, TopSpin, SamplePro Control and optionally Compass 1.7.

For the computer the individual specifications of software packages apply.

4.7 PrepGilsonST

The program for the control of the Bruker LiquidHandler 215 is designed for Windows computers only. Three solutions are supported for the computer.

- Dedicated Bruker Controlunit (H9447_01)
- Customer provided computer
- Installation and parallel usage on existing NMR/TopSpin¹ or LC-NMR/HyStar² computer

¹ In a Profiler configuration with BEST-NMR the installation on the NMR computer is **mandatory**.

² In a SPE-TT setup the installation on the HyStar computer is even **mandatory**.

Operating System	PrepGilsonST 1.3	PrepGilsonST 1.2
Windows 7 pro 64 bit	•	-
Windows XP pro sp2/sp3	•	•
Windows 2000 pro sp4	-	•

Table 4.3: PrepGilsonST: Supported operating systems

Usage for sample preparation only (no Profiler or SPE-TT setup) a direct communication between NMR Hard-/Software and the PrepGilson ST is not required. Therefore, the usage of the software is independent of any kind of NMR Software, i.e. compatible with all versions.

4.8 Profiler

The Profiler setup contains 2 to 3 different computers. All must run under Windows.

The NMR computer runs the following programs:

TopSpin, BEST-NMR and PrepGilsonST

The required operating system is Windows because PrepGilsonST runs under Windows only (see chapter 4.7). The LC-MS computer runs HyStar and the MS software which are both only compatible with Windows (see chapter 0). If Sample Track is not installed on one of the above computers, then a computer according to chapter 4.4 is required.

4.9 BEST-NMR

BEST-NMR comes as part of XWIN-NMR / TopSpin. The same support information for the respective version of these programs can be used.

NMR Software	BEST-NMR
TopSpin 4.x	-
TopSpin 3.2-3.5	(●)
TopSpin 3.0-3.1	•
TopSpin 2.x	•

Table 4.4: BEST-NMR supported TopSpin versions • = Supported, (●) = implemented, but not tested/supported

4.10 HyStar – standard installation

For most applications¹ the HyStar software is installed on a 2nd, independent computer system. This means, that the operating system of the NMR computer and the HyStar computer is independent, therefore a HyStar PC can be combined with a NMR computer with Windows, Linux or IRIX.

A preconfigured HyStar PC (H9447_01 Controlunit) is available from Bruker BioSpin.

¹ For one specific application (SPE-transfer only) HyStar can be installed on the NMR computer. In this case the NMR computer must have a compatible operating system for HyStar.

Operating System	HyStar 3.2 SR4	HyStar 3.2	HyStar 3.1
Windows 7 pro 64 bit	•	-	-
Windows 7 pro 32 bit	•	•	-
Windows XP pro sp2/sp3	•	•	•
Windows 2000 pro sp4	-	•	•

Table 4.5: HyStar: Supported operating systems

NMR Software	HyStar 3.2 SR4	HyStar 3.2	HyStar 3.1
TopSpin 4.0	•	•	•
TopSpin 3.6	•	•	•
TopSpin 3.0-3.5	•	•	•
TopSpin 2.x	• ¹	•	•
TopSpin 1.x	• ¹	• ¹	•

Table 4.6: HyStar: Supported NMR software

¹ HyStar 3.2 has some minor limitations with this NMR software version.

4.11 AURELIA-AMIX

- **Windows:**
Windows NT, 2000, XP, Vista as 32-bit system. Windows 7 as 32- and 64-bit system, Windows 10
- **Linux:**
Red Hat Linux 7.3 and higher, CentOS 5, CentOS 7

5 Software licensing

5.1 Bruker software related

Software	Version	CodeMeter	FlexLM
TopSpin	4.0	•	-
TopSpin	3.6	•	-
TopSpin	3.5	-	•
Dynamics Center	2.5	•	•
Dynamics Center	1.0-2.4	-	•
IVDr methods	1.0	-	•
IVDr Databrowser	1.0	•	-
AURELIA-AMIX	3.9.15	-	•
ParaVision	360	•	-
ParaVision	6.0.1, 6, 5.1	-	•

Table 5.1: Which license manager is supported from which Bruker software

FlexLM is not support on macOS.

6 Available disk images

6.1 HP Z4 G4 workstation

Operating System	Software	Application
Windows 10	TopSpin 4.0	NMR
Windows 10	TopSpin 3.6	NMR
Windows 10	TopSpin 3.2	NMR
CentOS 7	TopSpin 4.0	NMR
CentOS 7	TopSpin 3.6	NMR
CentOS 7	TopSpin 3.2 & 2.1	NMR
CentOS 7	ParaVision 360	MRI
CentOS 7	ParaVision 6.0.1	MRI
CentOS 7	ParaVision 6.0.1	MRI-Icon

Table 6.1: Images for the HP Z4 G4 workstation

6.2 HP Z440 workstation

Operating System	Software	Application
Windows 10	TopSpin 4.0	NMR
Windows 10	TopSpin 3.6	NMR
Windows 10	TopSpin 3.5	NMR
Windows 10	TopSpin 3.2	NMR
Windows 7 pro 64 bit	TopSpin 3.5	NMR
Windows 7 pro 64 bit	TopSpin 3.2	NMR
Windows 7 pro 64 bit	HyStar 3.2SR4 PrepGilsonST 1.3 SamplePro Control 1.2 SampleTrack 2.61	Bruker ControlUnit for "special" applications
CentOS 7	TopSpin 4.0	NMR
CentOS 7	TopSpin 3.6	NMR
CentOS 7	TopSpin 3.5	NMR
CentOS 7	TopSpin 3.2 & 2.1	NMR
CentOS 7	ParaVision 6.0.1	MRI
CentOS 7	ParaVision 6.0.1	MRI-Icon

Table 6.2: Images for the HP Z440 workstation

7 Contact

Manufacturer

Bruker BioSpin GmbH

Silberstreifen 4

D-76287 Rheinstetten

Germany

<https://www.bruker.com>

WEEE DE43181702

NMR Hotlines

Contact our NMR service centers.

Bruker BioSpin NMR provides dedicated hotlines and service centers, so that our specialists can respond as quickly as possible to all your service requests, applications questions, software or technical needs.

Please select the NMR service center or hotline you wish to contact from our list available at:

<https://www.bruker.com/service/information-communication/helpdesk.html>

Phone: +49 721-5161-6155

E-mail: nmr-support@bruker.com

Please refer to the Model No., Serial No. and Internal Order No. in all correspondence regarding the MR system or components thereof.





● **Bruker Corporation**

info@bruker.com
www.bruker.com