

## topspin

## 2.1 軟體安裝手冊





- 1. 以 Administrator 登入 Windows
- 2. 將 TOPSPIN2.1 光碟放入光碟機中,電腦將自動安裝 TOPSPIN 且 出現如下圖所示:



3. 等到 100%後即進入以下畫面,請點選 Next:



4. 此 PDF 檔案為 TOPSPIN 軟體之 release letter,請將 PDF 檔案關閉:



48 %



5. PDF 檔案關閉後出現下圖,請勿更動安裝路徑,並點選 Next:



6. 請點選 Data Processing only 選項並選擇 Next:





7. 請點選是(Y)調整防火牆組態:

Question	
?	Windows firewall is installed on your system. If the firewall has not been disabled, starting TOPSPIN will bring up several information dialogs about 'blocked components'. To prevent this, the firewall must be configured to allow TOPSPIN operations. The installation can do this now, or an Administrator can do it any time later, running C.'Bruker/TOPSPIN'prog/bin'Utilities/Miscellaneous/setfirewall.cmd Shall the installation configure the firewall for you?
	<u>是做</u>

8. 請點選No, I don't want to import a spectrometer configuration 選項後 點選Next:





【磊蔵科技股份有限公司 <mark>R</mark>ezwave Technology Inc. 9. 請勿更改使用者並點選 Next:



10. 請輸入兩次 TOPSPIN 程式管理者密碼,輸入後請按 Next (或直接 按 Next, 密碼則為空白):

Pas	sword Input
	Please choose an NMR Administration Password (requested for commands like 'cf', 'expinstall' etc.)
	Password
(	
	Reenter Password
(	
	<u>H</u> elp <u>B</u> ack <u>N</u> ext Cancel

11. 請等待安裝至 100% 且跳至另一畫面:

Setup
Copying files for GNU Utilities component gnu\bin\cygwin1.dll
0 %
Cancel

12. 此時會安裝範例光譜資料,請等待至100%且跳至另一畫面:





13. 此時正安裝 license server 軟體,請等待至 100%且跳至另一畫面:



14. 此時會自動調整電腦之防火牆設定:

C:\WINDOWS\system32\cmd.exe	- 🗆 ×
Configuring firewall for TOPSPIN	

15. 最後將出現下圖所示,請點選 Finish 完成安裝 TOPSPIN。





16. 點選桌面上的 TOPSPIN2.1 捷徑 TOPSPIN 2.1, 將出現下圖所示:



[附註] 若點選圖示後出現下圖所示:



則表示沒有安裝 TOPSPIN license file。

▶ License file 安裝步驟:

(1) 開啟記事本(Notepad)程式 (開始 → 所有程式 → 附屬應用程式

→ 記事本)

(2) 檔案 → 開啟舊檔, 到目錄 C:\flexlm\Bruker\licenses, 選取



example\_license.dat (檔案類型 → 所有檔案)

(3)將 your\_hostid 刪除並鍵入網路卡 MACID 十二碼(license file 內 HOSTID=XXXXXXXXXXXXX)

(4) 將以 e-mail 收到的 lincense 內容(FEATURE 開頭)貼至紅色圈處

(5) 檔案  $\rightarrow$  另存新檔  $\rightarrow$  檔名: license.dat  $\rightarrow$  點選儲存



17. TOPSPIN 開啟後,出現下圖,請點選 Cf。



18. 出現下圖時,請輸入安裝時所設定的 TOPSPIN 程式管理者密碼。再按 OK:





19. 請選擇 Bruker\_default\_av500 並點選 Edit:

	meter configuration (Cf):			
Configur	re the hardware of your spec	ctrometer or create a configu	uration for a datastation.	
Active co	onfiguration: " <mark>Bruker_default</mark>	t_av500"		
Availat	ble spectrometer configuration	ons		
	<ul> <li>Configuration</li> </ul>	Spectrometer type	Frequency [MHz]	Туре
Brui	ker_default_av500	Avance-AV 500	500.13	Datastatio
Bruk	er_deradit_avanceii300	Avarice III 300	300.13	Datastatio
Select o Press "E	ne of the available configura citl* to modify or use an exist	itions or create a new spectr	rometer configuration! J want to add new hardw	are

20. 選擇 Datastation 並點選 Next:

Configuration name     Bruker_defauit_av500       Spectrometer     •       Datastation     •       1H frequency of magnet [MHz]     500.13	Configuration		
Spectrometer  Datastation  H frequency of magnet [MHz]  Solo.13	Configuration name	Bruker_default_av500	
Datastation  IH frequency of magnet [MHz] 500.13	Spectrometer	0	
1H frequency of magnet [MHz]     500.13       Debug	Datastation	◎ ◀───	
Debug Jse debug module	1H frequency of magnet [MHz]	500.13	
	Jebug Jše debug module 🛛		
	iebug Jse debug module		



111110

## 21. 請點選 Next:

△ Nucleu	is Name	Receptivity (rel. 13C)	Spin	Frequency (rel. 1H)
1H	Hydrogen	5680.0	1/2	500.13
2H	Deuterium	0.00821	1	76.773
зн	Tritium	1.0E-9	1/2	533.458583
зне	Helium	0.00326	1/2	380.993893
6Li	Lithium	3.58	1	73.599661
7Li	Lithium	1540.0	3/2	194.369473
9Be	Beryllium	78.8	3/2	70.277367
10B	Boron	22.1	З	53.732257
11B	Boron	754.0	3/2	160.461579
13C	Carbon	1.0	1/2	125.757789
14N	Nitrogen	5.69	1	36.128816
15N	Nitrogen	0.0219	1/2	50.677733
170	Oxygen	0.0611	5/2	67.799773
19F	Fluorine	4730.0	1/2	470.592362
21Ne	Neon	0.0359	3/2	39.482913
23Na	Sodium	525.0	3/2	132.293992
25Mg	Magnesium	1.54	5/2	30.616173
27AI	Aluminum	1170.0	5/2	130.318324
29SI	Silicon	2.09	1/2	99.361762
31P	Phosphorus	377.0	1/2	202.45631
33S	Sulfur	0.0973	3/2	38.390079
35CI	Chlorine	20.2	3/2	49.002392
37CI	Chlorine	3.77	3/2	40.789422
		Add/Edit	<u>P</u> rint	Delete Restore Save
				< Previous Next > Canc

22. 請點選 Save:

💐 Edit Spectrometer Parameter			×
frequency	logical channel	amplifier	preamplifier
BF1         0.0         MHz           SF01         0.0         MHz           OFS1         0.0         Hz           BF2         0.0         MHz           SF02         0.0         MHz           SF02         0.0         MHz           SF03         0.0         MHz           SF03         0.0         MHz           SF04         0.0         MHz           SF04         0.0         MHz           SF04         0.0         MHz	NUC1 F1 SGU1 NUC2 F2 SGU2 NUC3 F3 SGU3 NUC4 F4 SGU4	X X 300 W H 50 W H 500 mW X 300 W X 300 W 2H 20 W	2H X-BB19F_2HS 1H 19F-Sel
	settings	Save Clear cable connections Info	Param Qiose

23. 請點選 Next:



Configur	ation summary (uxnmr.info):	
CONFIG	SURATION INFORMATION	
Date Release Host User	: Thu Sep 03 18:02:13 2009 e : TopSpin Acquisition Version ts_2_1:pl-4 : TOM Windows 5.1 : User	
System	: Datastation configured as Avance-AV NMR spectrometer (no acquisition hardware available)	

24. 請點選 Expinstall:

Installation of standard experim	ents Expinstall	◀	
Solvent table setup	Edsolv		
Probe table setup	Ed <u>h</u> ead		
Solvent dependent parameter s	etup Edgrosol		
Lock parameter setup	Edjock		
Spectrometer parameters setup	Edscon		

25. 請點選 Next:





26. 請選擇 Installation for Datastation 並點選 Next:



27. 請於 Select your printer 和 Select your plotter 選擇電腦所使用的印 表機,再按 Next:

👙 Experiment installat	on and AU compilation			
Select the basic freq	uency of your spectrometer:			
Basic frequency (M	Hz): 500.13			
Select your printer:				
Default printer:	HP LaserJet 2100 Series PS			
Select your plotter:				
Default plotter: 🤇	HP LaserJet 2100 Series Pt			
Select the plotter pa	er format.			
Paper format	A4 / Letter 🖌 🗸			
	< Back Next > Einis	h <u>C</u> ancel		
	11	- 4000	磊葳科技股份有限	限公司
		VVVV	Rezwave Techno	logy

## 28. 請點選 Finish:



29. 此時正進行 expinstall 動作。(紅色圈處顯示安裝進度)

Image: TOPSPIN 2.1 on TOM at User           Eile Edit View Processing Analys           Image:	Additional configuration programs:	
Last50 Groups Allas Browser C\Bruker\TOPSPIN	Config Installation of standard experiments Solvent table setup Probe table setup Solvent dependent parameter setup Lock parameter setup Spectrometer parameters setup	Egpinstall Edgolv Edgrosol Edgock Edscon
expinstali: Copying all Bruker library shape pr	< explostall copying all Bruker library shape p	rograms

30. 當紅色圈處出現 expinstall done 時,表示已經完成 expinstall 動作 且會出現詢問是否自動備份的視窗,請點選 Automatic Backup:



aalaanai coningaradon prog	ans.						
Config							
Installation of standard ex	periments	E	pinstall				
Solvent table setup		E	Ed <u>s</u> olv	1			
Сто	i check				D	3	
An aut	omatic perio	dical backu	ip of your To	pSpin co	nfiguratio	n	
Solvent dependen	. actined in 1	opopin. o	arrendy you	40 1102 43	C 1113 100		
Lock parameter se	"Automatic B	ackup" to i	open the con	figuration	tool.		
	Do	not show t	his message	again			
Spectrometer para		Hel	Automatic Ba	ackup	<u>C</u> lose		

31. 請於 Location of bacfup file 設定備份檔案的存放路徑,之後點選 Save:

ave installation files	Restore installation files	Save user files	Restore user files	
Save installation spe	cific files.			
Installation specific fi to copy the files from	iles are collected and stor a previous installation to	ed into a tar file. a new installatio	This tar file can be used h or to create a backup	
of the installation sp	ecific files.			
Note: To save user s	specific files use the "Save	e user files" tab.		
Location of backup	file:	C:\Bruke	r\TOPSPIN\nmr_backup	
Overwrite existing ba	ackup file:			
Installation to be say	ved (TopSpin home):	C:\Bruke	r\TOPSPIN	
Spectrometer config	juration (e.g. spect):	Bruker_	default_av500	
Display default infor	mation:	۲		
Display additional in	formation:	0		
Execute "Save insta	Ilation specific files" perio	dically Automa	tic Backup	
Log:				
				-
<				×



32. 當出現警示視窗時,請點選 Close:



33. 當出現另一警示視窗時,亦點選 Close:



34. 當紅色圈處出現 has been generated 時,請點選 Save:

Save installation files	Restore installation files	Save user files	Restore user files	
Save installation on	acific filos			
Sate instantion spo	Senie mes.			
Installation specific f	iles are collected and stor	ed into a tar file.	This tar file can be used	
to copy the files from	n a previous installation to	a new installatio	n or to create a backup	
of the installation sp	ecific files.			
Note: To save user	specific files use the "Save	e user files" tab.		
Location of backup	file:	C:\Bruke	r\TOPSPIN\nmr_backup	
Overwrite existing b	ackup file:			
Installation to be sa	ved (TopSpin home):	C:\Bruke	NTOPSPIN	
Spectrometer config	guration (e.g. spect):	Bruker_	default_av500	
Display default infor	rmation:	۲		
Display additional in	nformation:	0		
Execute "Save insta	allation specific files" perio	dically Automa	tic Backup	
1.00				
		-		
	_			
has been generate	edi 🔵			
			(	~ "
			/	



35. 最後請點選 Finish 完成 Cf 的動作,並完成 TOPSPIN 軟體安裝程 序。

Coming			
installation of standard ex		Expinstall	
Solvent table setup		Edsolv	
Probe table setup		Ed <u>h</u> ead	
Solvent dependent param	eter setup	Edgrosol	
Lock parameter setup		Edlock	
Spectrometer parameters	setup	Edscon	

By Tom Lin, Rezwave Technology Inc.

