030.0122.03.0



# **S1 TITAN/TRACER 5/CTX**

# **Bruker Toolbox Installation Guide**

1.7.0.128

Innovation with Integrity

Handheld XRF



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Description	<ul> <li>Bruker S1 TITAN, TRACER 5, and CTX instrument</li> <li>Windows operating system 7, 8.1, or 1</li> <li>Bruker Toolbox, part number 710.0042 Toolbox, Videos, part number 160.0209</li> </ul>	0. 2, included on the Bruker USB stick <i>User Manuals,</i>
	This manual describes how to install Bruker To are required.	olbox onto a PC. <i>Windows administrator rights</i>
Microsoft requirements	<ul> <li>Bruker Toolbox software requires appropriate</li> <li>.NET 4.6.2 or higher.</li> <li>Visual C++ Redistributable package.</li> </ul>	Microsoft support packages –
.NET		igher, the installation process is exited. <i>To install</i> <u>ft.com/en-us/download/details.aspx?id=55170</u> or
IP address		ress is 192.168.137.139. <i>To change the IP</i> address, nt, tap <b>Utilities</b> -> <b>Connections</b> -> <b>Connection</b> -> <i>anual</i> , Bruker document 030.0113.
Contacting Bruker	Email: <u>support.hmp@bruker.com</u> Phone: +1 (509) 783-9850, Option 4 Web: <u>www.bruker.com/hhxrf</u>	<i>Address</i> : 415 N. Quay Street Kennewick, WA 99336 USA

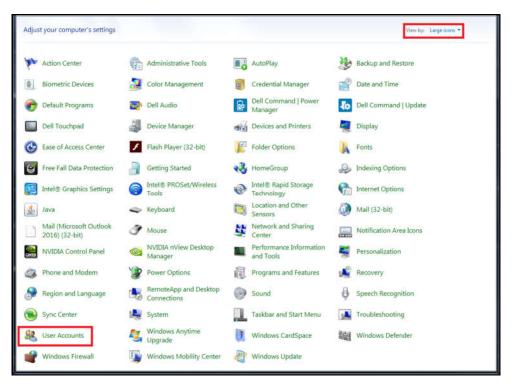


#### 2. Setting User Access Control

Description Before installing Bruker Toolbox, the User Access Control must be set.

Process To change User Account Control settings in Windows –

Step	Action	Result
1	On the PC, open the Control Panel.	The Control Panel window is displayed.
2	Select User Accounts.	The User Accounts window is displayed.





3	Click Change User Account Control settings.	The User Account Control Settings
		dialog box is displayed.
4	Drag the slider down and click <b>OK</b> .	The change is saved and the dialog box is closed.



Alway	ys notify	
-	_	Never notify me when:     Apps try to install software or make changes to my computer     I make changes to Windows settings
Д-	-	
⊡ ۷	<b>a</b> -	Not recommended.



# 3. Installing Bruker Toolbox

This section describes how to install Bruker Toolbox onto a PC. The two different methods are based
on whether Toolbox was installed previously. If so, the old version is automatically uninstalled, with
one exception, as described below.

Exception:In the case of Bruker Toolbox version 1.6.0.110, before a new version can be installed, versionversion1.6.0.110 must be explicitly uninstalled using Windows Start -> Control Panel -> Programs and1.6.0.110Features. Right click Bruker Toolbox and click Uninstall.

110003311	1101
installed	
previously	/

#### Process if not To install Bruker Toolbox onto a PC for the first time –

Step	Action	Result
1	Disconnect the instrument from the PC.	
2	Install the provided USB stick, part number	The Bruker Instrument Tools and Bruker
	160.209. Navigate to and double-click the	RemoteCtrl Installation dialog box is displayed.
	Bruker Toolbox file name or download from	
	the Bruker website.	



#### Bruker Instrument Tools (1.7.0.124) and Bruker RemoteCtrl (4.06) installation.

This setup program will install Bruker Instrument Tools (1.7.0.124) and Bruker RemoteCtrl (4.06) on your computer. Click Cancel if you do not want to install these applications. Click Next to continue the installation.

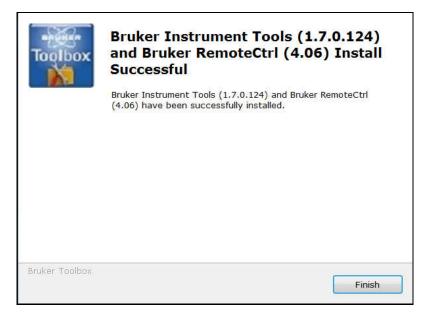
3 Click Next.

The Installation Folder dialog box is displayed.

Installation folder Select a destination folder and Bruker RemoteCtrl (4.0	r where Bruker Instrument <sup>-</sup> 06) will be installed.	Fools (1.7.0.124)
Setup will install files in the	e following folder.	
If you would like to install ( RemoteCtrl (4.06) into a di folder.		
Destination folder		
C:\Program Files (x86)\	Bruker\Bruker Toolbox	Browse
Space required: 18.11 MB		
Space available: 16.34 GB		
ruker Toolbox		

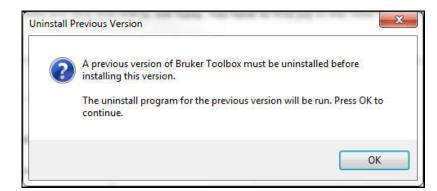


4	<ul> <li>Accept the default folder by clicking</li> <li>Next.</li> <li>OR</li> <li>Change the destination folder by –</li> <li>1. Clicking Browse</li> <li>2. From the Browse for Folder dialog box, selecting a folder and clicking</li> <li>OK.</li> <li>3. Clicking NEXT.</li> </ul>	The Installing Files progress box is displayed briefly, then the Bruker Instrument Tools and Bruker RemoteCtrl Install Successful dialog box. If a previous version is already installed, the Uninstall Previous Version dialog box is displayed. See the following table for steps.
5	Click Finish.	Bruker Instrument Tools and Bruker RemoteCtrl icons are displayed on the desktop.



Process if previously installed

s if	Step	Action	Result
usly	1	Starting at Step 4 of the previous	After a moment, the Bruker Instrument Tools and
ed		table, click <b>OK</b> on the <b>Uninstall</b>	Bruker RemoteCtrl Uninstallation! dialog box is
		Previous Version dialog box.	displayed.





Toolbox	(1.7.0.124) and Bruker RemoteCtrl (4.06) Uninstallation!			
	Are you sure you want to uninstall Bruker Instrument Tools (1.7.0.124) and Bruker RemoteCtrl (4.06)? This uninstall process will remove Bruker Instrument Tools (1.7.0.124) and Bruker RemoteCtrl (4.06) from your computer			
	Click Cancel if you do not want to remove this application.			
	Click Next to continue the uninstall process.			

2	Click Next.	A progress bar is displayed briefly, then the Uninstall
		Successful dialog box.

Toolbox	Uninstall Successful
	Bruker Instrument Tools (1.7.0.124) and Bruker RemoteCtrl (4.0 have been successfully uninstalled.

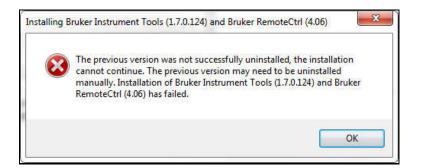
3	Click Finish.	The Installing Files progress box is displayed briefly,
		then the Bruker Instrument Tools and Bruker
		RemoteCtrl Install Successful dialog box.



Bruker Instrument Tools (1.7.0.124) and Bruker RemoteCtrl (4.06) have been successfully installed. Bruker Toolbox	Toolbox	Bruker Instrument Tools (1.7.0.124) and Bruker RemoteCtrl (4.06) Install Successful		
	Bruker Toolbox	Finish		

4	Click Finish.	Bruker Instrument Tools and Bruker RemoteCtrl icons
		are displayed on the desktop.

Cancelling *To cancel the uninstallation*, click **Cancel** on an **Uninstalling** dialog box. The following dialog box is displayed.



Click OK.



# 4. Connecting the Instrument

Description To finalize the driver installation *for the first time only*, connecting the instrument to the PC through a USB cable is recommended.

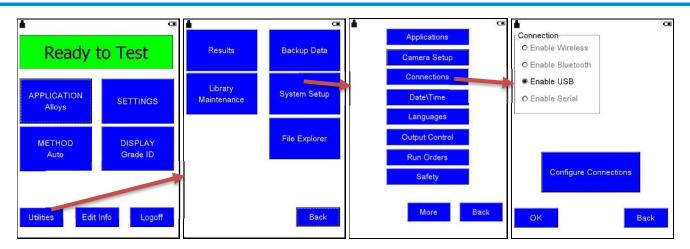
Process To connect the instrument to the PC –

Step	Action	Result
1	Power on the PC and the instrument.	
2	Connect the instrument to the PC with a USB cable (Bruker part number 160.0012.01.0).	
3	On the PC, double-click the <b>Bruker RemoteCtrl</b> icon.	The <b>Bruker RemoteCtrl</b> window is displayed.
4	Click File.	A dropdown list is displayed.
5	Click Connect.	The <b>Connect</b> popup is displayed.

<u>F</u> ile	Trigger Unknown	Display		
	Connect	1		
	Disconnect			
	Exit			

Γ	6	Log into the instrument in Supervisor mode and	The Ready to Test screen is
		follow instructions on the instrument screen. The	displayed.
		default password is 54321.	
Γ	7	On the instrument, tap Utilities -> System Setup	The <b>Connection</b> screen is displayed.
		-> Connections.	





8	On the instrument, select <b>USB Enable</b> and click <b>OK</b> .	After a few minutes, the first time the PC and instrument are connected after the first time the driver is installed, the <b>Windows Security Alert</b> window is displayed on the PC. If not, see <b>Working with a</b> <b>Firewall</b> on page 17.
9	Check the box for <b>Public network, such as</b> and click <b>Allow access</b> .	After a few seconds, the instrument serial number is displayed in the <b>Connect</b> dialog box.
10	On the PC, click the instrument name and click <b>OK</b> .	After a few seconds, the instrument screen is displayed on the PC.

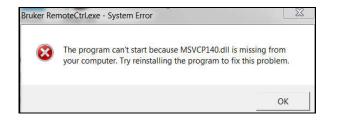




#### Appendix A C++ Redistributable

C++ Redistributable The installation process should include automatic installation of .dll files. If not, see the following.

When accessing Bruker RemoteCtrl, if an error message stating that **msvcp140.dll and/or vcruntine.dll are missing** is displayed, Visual C++ Redistributable for Visual Studio 2015 must be installed.



To install msvcp140.dll and/or vcruntine.dll -

Step	Action	Result
1	Navigate to	The download page is
	www.microsoft.com/en-us/download/details.aspx?id=48145.	displayed.
2	Click the red <b>Download</b> button.	A new page is
		displayed.
3	Select the vc_redist.x86.exe checkbox and click Next.	vc_redist.x86.exe is
		available at the bottom
	Note: x86 version is required even on a 64-bit OS.	of the browser.
4	Click Save and Run.	The installation
		window is displayed.
5	Read, and click the box to agree to, the license terms and	Libraries are installed
	conditions. Click Install.	in the appropriate
		location.



### Appendix B Installing the Driver

Description The installation process should include automatic installation of the driver. If not, see the following.

This section describes how to manually install the driver for Windows operating systems 7, 8.1, or 10. *For subsequent installations of Bruker Toolbox, these steps are not required* as the driver is automatically installed.

#### Process To install the driver –

Step	Action	Result
1	Power on the PC and the instrument.	
2	Connect the instrument to the PC with a USB	
	cable (Bruker part number 160.0012.01.0).	
3	Navigate to the folder containing Bruker	
	Toolbox. The default location is	
	C:\Programs Files (x86)\Bruker\Bruker	
	Toolbox\.	
4	Right click on the file name appropriate to the	A dropdown list is displayed.
	operating system.	
	Windows 7 – <b>rndisbruker.inf</b>	
	Windows 8.1 and 10 - brukerrndis.inf	
5	Click Install.	The Windows Security dialog box is
		displayed.
6	Select Install this driver software anyway.	The message <b>Device driver software</b>
		installed successfully is displayed.
		If the message <b>Device driver</b>
		software was not successfully
		installed, unplug the USB cable, wait
		15 seconds, and plug it in again.

Name	Date modified	Туре	Size
12x86.exe	6/27/2017 5:47 PM	Application	381 KB
🚟 Bruker Instrument Tools.exe	6/27/2017 5:45 PM	Application	2,605 KB
🚟 Bruker RemoteCtrl.exe	9/19/2016 3:26 PM	Application	97 KB
Note: Starp.dll	6/27/2017 5:47 PM	Application extens	568 KB
🖳 ReadMe.rtf	6/27/2017 5:47 PM	Rich Text Format	25,084 KB
🗿 mdisbru' 👘	2017 5:47 PM	Setup Information	8 KB
S1Sync.e Open Install Print	/2017 5:45 PM	Embarcadero RAD	27 KB
7-7in			



9	Windows can't verify the publisher of this driver software
	Don't install this driver software You should check your manufacturer's website for updated driver software for your device.
	Install this driver software anyway Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or stea information.



#### Appendix C Working with a Firewall

Description The installation process should include automatic access through a firewall. If not, see the following.

A firewall may interfere with the connection between a PC and an instrument and prevent the instrument serial number from displaying in the **Connect** dialog box. This section describes how to work around a firewall by deleting certain firewall rules.

Port numbers Fixed port numbers are 55000, 55101, 55102, 55203. Artax uses 55204. Data Stream uses 55001, 55204, 55205, and 55500. These must stay open.

#### Process To delete firewall rules that block Bruker programs –

Step	Action	Result	
1	On the PC, open the Control Panel.	The Control Panel window is displayed.	
2	Click Windows Firewall.	The Windows Firewall window is	
		displayed.	

🗁 🚽 🛧 🔝 > Control Panel	✓ Ö Search Control P			
Adjust your computer's settin	gs		View by: Small icons	
🔠 Administrative Tools	🕞 AutoPlay	🐞 Backup and Restore (Windows 7)	Re BitLocker Drive Encryption	
💶 Color Management	Credential Manager	🕒 Date and Time	Default Programs	
📩 Device Manager	To Devices and Printers	🛄 Display	Sase of Access Center	
File Explorer Options	🕢 File History	Flash Player (32-bit)	A Fonts	
• HomeGroup	🚑 Indexing Options	🦉 Infrared	🐑 Internet Options	
Keyboard	😒 Language	Mail (Microsoft Outlook 2016) (32-bit)	Mouse	
Network and Sharing Center	🚅 Personalization	🛄 Phone and Modem	Power Options	
Programs and Features	Recovery	🚱 Region	🐻 RemoteApp and Desktop Connections	
陀 Security and Maintenance	Sound	Speech Recognition	Storage Spaces	
Sync Center	🔜 System	Taskbar and Navigation	📧 Troubleshooting	
& User Accounts	🖶 Windows Defender	I Windows Firewall	🖳 Windows Mobility Center	
Windows To Go	Work Folders			



3



Click Allow a program or feature through Windows Firewall. The Allow programs to communicate through Windows Firewall window is displayed.

	iu ponts, ci	ick Change settings.		
hat are the risks of allowing a program to com	municate			Change set
For your security, some settings are manac	red by you	r system administrato	vr.	
g roryour security, some securitys are manag	jed by you	system commister		
Allowed programs and features:				
Name	Domain	Home/Work (Pri	Public	Group Polic
AudioTuningWizard		V	•	No
BranchCache - Content Retrieval (Uses				No
BranchCache - Hosted Cache Client (U				No
BranchCache - Hosted Cache Server (U				No
BranchCache - Peer Discovery (Uses W				No
Bruker communication server				No
Bruker communication server			~	No
Bruker PostgreSQL			•	No
Bruker RemoteCtrl			$\checkmark$	No
Ruker S1 Remote Control - Program				Yes
Bruker S1 Remote Control - Program x86	<b>~</b>	<b>V</b>	<b>~</b>	Yes
Bruker S1 Remote Control - TCP				Yes
			Details.	. Rem

4	<ul> <li>For each program to be deleted, highlight the name and click <b>Remove</b>. Remove the follow programs:</li> <li>All entries that start with S1RemoteCtrl, e.g., S1RemoteCtrl, S1 RemoteCtrl, S1 RemoteCtrl.exe.</li> <li>S1 Sync.</li> <li>Bruker Instrument Tools.</li> <li>Bruker RemoteCtrl.</li> </ul>	The window reflects the changes.
5	Close all windows.	
6	Repeat the steps in Connecting the	
	Instrument on page 12 for both Bruker	
	RemoteCtrl and Bruker Instrument Tools.	