

TA Instruments Setting Up Windows 10 to Run Thermal Advantage

This document provides the changes that must be completed in order for Thermal Advantage for Q Series instruments to work properly.

NOTE: Each user account that will be running a Q Series instrument <u>MUST</u> have full administrative rights on the computer.

After Thermal Advantage is installed, the following procedures must be completed:

- 1 <u>Setting the following files to run as administrator</u>:
 - TAIE.exe
 - TAMA.exe
 - QAdvX.exe
- 2 User Access Control (UAC) must be set to "Never Notify"
- 3 <u>A static IP address must be set on the network adapter</u> (NIC) that is to control the instrument

Setting Files to Run as Administrator

- Navigate to the following folder:
 C:\Program Files (x86)\TA Instruments\Thermal Advantage\Q Series.
- 2 Right-click the TAIE.exe file and then select Properties.

3 Select the **Compatibility** tab.

General Comp	TAIE.exe
Type of file:	Application (.exe)
Location:	C:\Program Files (x86)\TA Instruments\Thermal Ad
Size: Size on disk:	3.66 MB (3,844,096 bytes) 3.66 MB (3,846,144 bytes)
Created: Modified: Accessed:	Wednesday, January 10, 2018, 2:52:06 PM Wednesday, January 10, 2018, 2:52:06 PM Tuesday, January 29, 2019, 3:40:41 PM
Attributes:	Read-only Hidden Advanced
	OK Cancel Anniv

4 Click Change settings for all users.

eneral	Compatibility	Details	Previous Versions	
				Cur. 1
try run	program isn't wo ning the compat	tibility tro	ubleshooter.	n of Windows,
Run	compatibility tro	ubleshoo	ter	
How do	I choose comp	atibility s	ettings manually?	
Com	atibility mode -			
R	un this program	in compa	tibility mode for:	
Wind	dows 8		\sim	
Settir	ngs			
R	educed color mo	de		
8-bit	t (256) color		r	
	un in 640 x 480	screen re	solution	
Di	sable fullscreen	optimizat	tions	
R	un this program	as an ad	ministrator	
	Change high D	PI setting	IS .	
	strange night b			
	hange settings	for all us	erc	
V	and the occurrys	tor on da		

5 Select the option **Run this program as an administrator**.

🕋 TAIE.	exe Properties				×
General	Compatibility	Details	Previous Ver	sions	
If the TA					
try IA	IE.exe Properti	les			~
Ho C	ompatibility for	all users			
- c [If you have pro on an earlier ve that matches th	blems wit rsion of V nat earlier	h this program Vindows, selec Version.	and it worked o t the compatibili	orrectly ity mode
	Compatibility	mode			
4	Run this p	rogram in	compatibility r	mode for:	
S	Windows 8			\sim	
1	Settings				
Г	Reduced o	olor mode	e		
Ľ	8-bit (256) co	olor	\sim		
8	Run in 640) x 480 so	reen resolutio	n	
1	Disable ful	lscreen o	otimizations		
	Run this p	rogram as	s an administra	ator	
	Change	high DPI	settings		
			ОК	Cancel	Apply

- 6 Click Apply, then click OK.
- 7 Click **OK** on the **Properties** window.
- 8 Repeat this procedure for the two remaining files in the Q Series folder.

Setting UAC

- 1 In the Windows 10 search bar (Cortana), type "UAC" and then press Enter.
- 2 In the User Account Control Settings window, slide the notification bar down to Never notify.

👽 User Account Control Settings	100	\times
Choose when to be notified about changes to your computer User Account Control helps prevent potentially harmful programs from making changes to your <u>Tell me more about User Account Control settings</u>	computer.	
Always notify		
Never notify me when:		
Apps try to install software or make changes to my computer I make changes to Windows settings		
– 1 Not recommended.		
Never notify		
Фок	Cancel	

3 Click **OK** to close the window.

NOTE: You may need to reboot the computer for this action to take effect.

Setting a Static IP Address

- 1 In the Windows 10 search bar (Cortana) type "Ethernet Settings" and press Enter.
- 2 The Ethernet window displays how many NIC there are. Click Change adapter options.

Ethernet	
Unidentified network No Internet	Related settings Change adapter options
tainstruments.com Connected	Change advanced sharing options Network and Sharing Center
	Windows Firewall
	Have a question? Troubleshooting network connection
	Get help

3 Right-click the network adapter being used for instrument communication and click **Properties**.



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4 The Instrument Connection Properties dialog box displays. Highlight Internet Protocol Version 4 (TCP/IPv4). Then click Properties.

Instrument Connetion Properties	×
Networking Sharing	
Connect using:	
💭 Intel(R) Gigabit CT Desktop Adapter	
Configure	
This connection uses the following items:	
 Elient for Microsoft Networks File and Printer Sharing for Microsoft Networks QoS Packet Scheduler 	^
✓ Internet Protocol Version 4 (TCP/IPv4)	
La Microsoft Network Adapter Multiplexor Protocol	
 Microsoft LLDP Protocol Driver Internet Protocol Version 6 (TCP/IPv6) 	~
<	
Install Uninstall Properties	
Description	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	
OK Can	cel

5 On the Internet Protocol Version 4 dialog box, input the IP and subnet mask for the controller NIC.

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Internet Protocol Version 4 (TCP/IPv4) Properties

General	
You can get IP settings assigned aut this capability. Otherwise, you need for the appropriate IP settings.	omatically if your network supports to ask your network administrator
Obtain an IP address automatic	ally
• Use the following IP address: -	
IP address:	172 . 23 . 188 . 10
Subnet mask:	255.255.224.0
Default gateway:	
Obtain DNS server address aut	omatically
Use the following DNS server as	ddresses:
Preferred DNS server:	
Alternate DNS server:	
Validate settings upon exit	Advanced
	OK Cancel

We recommend using 172.23.188.10 for the controller IP address. The subnet shown is the required subnet for the 172.23 network. Leave the Default gateway blank.

- 6 Click OK.
- 7 Click **OK** to close the Instrument Connection Properties dialog box.
- 8 Open Q Series Explorer and verify that there is an icon for each instrument connected to the computer. If the instruments are not there or will not open, do the following:

a Click the TA logo in the upper left corner of the Q Series Explorer.



b Click **Reset TA Message Agent**.

CTA	TA Instrument Explorer	
	Restore	
	Move	
	Size	
	Minimize	
	Maximize	
	Close	
	Hide TA Instrument Explorer	
	Connect to Remote TA Message Agent (TAMA)	
	Show This Computer License	
	Show Version Infomation	
<	Reset TA Message Agent	
	Locate instrument with default IP address	
	Select Language	>
	About TA Instrument Explorer	
	Halo	

c The Q Series Explorer closes, and will reopen automatically. If it does not, reopen the Explorer by clicking the desktop icon.