Waters™

waters_connect Agilent ICF

Installation and Configuration Guide

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Introduction

waters_connect Agilent ICF application overview

The waters_connect Agilent ICF is a software package that installs the Agilent ICF application and supported third-party instrument drivers, enabling those instruments to be controlled within waters_connect.

Scope

This guide applies only to waters_connect on workstations and to waters_connect Agilent ICF version 3.0.0 and later.

System and software requirements

For more information about waters_connect, refer to waters_connect Informatics.

Refer to the Agilent ICF release notes for the appropriate version of the waters_connect Base Kit.

This installation requires waters_connect Agilent driver installation media.

For further information, see Contacting Waters Technical Service (Page iii), and refer to the appropriate waters_connect Base Kit release notes for supported operating systems.

Installing Agilent ICF

1. From the installation media, right-click *Setup.exe* and select **Run as administrator**.

   Tip: You can also double-click the file.
2. In the Waters UNIFI Installation wizard, click **Update Instrument Drivers**.
3. Restart the computer if the wizard displays the issue `Reboot is required prior to installation`.
4. After restart, accept the license agreement and click **Next**.
5. When prompted, click **Next**.
6. Take the workstation offline.
   a. Log in to waters_connect.
   b. In the waters_connect hub, select **Device Management**.

      Note: The first time this is clicked, the tile is black. The application silently downloads, and then the tile turns blue. Only then will the application launch when clicked.

   c. Right-click the workstation in the table and select **Change Status** > **Offline**.
7. Return to the installation wizard and click **Install**.

   Installation status is displayed on the wizard.
8. After the installation is completed, click **Finish**.
9. Follow the instruction to restart the computer on completion of the installation and click **OK**.
10. Log back in to waters_connect, reopen the **Device Management** window, and select the **Manage Drivers** tab.

    Note: If the window is small, the tab selections are condensed into a single drop-down selection instead.
11. In the Manage Drivers tab, click **Add** and select **Agilent Instruments** in the Instrument Model drop-down list, and then click **OK**.

    Agilent Instruments display in the table.
12. Click **Update drivers** to deploy to the workstation.

    The driver status field updates as the software gets deployed.

Adding Agilent GC instrument and CTC PAL3

1. Note the IP and MAC addresses of Agilent GC and CTC PAL3 that you can find using the interactive control devices.
2. Ensure that communication between the workstation and instrument is active by pinging the IP address of the instrument. Open Windows command prompt and use command ping <IP address> (for example, ping 192.168.0.29 for the GC oven and 192.168.0.40 for the CTC PAL3).
3. Open Waters DHCP server application. Default installation pathway is *C:\Program Files (x86)\Waters\LND\DHCP*.
4. Manually add IP and MAC addresses of Agilent GC (and CTC PAL3, if using).

   Note: Leave the instrument name and the serial number fields blank.

   Note: The Agilent autosampler does not have its own IP address as it uses the same as the GC oven.
5. Instruments are now visible in **waters_connect Hub** > **Device Management** > **Configure DHCP Server**.
6. Right-click the Agilent GC IP and select **Edit**.
7. The **Define Instrument** pop-up displays the IP address and Instrument Mode as **Agilent Instruments**. Select **Configure**.

   The Agilent instruments native configuration pop-up is displayed.
8. Move the Agilent GC model to the right-hand pane using the arrows.
9. Double-click the Agilent 8890 GC to open the configure window. Specify the IP address of Agilent GC and select **Get GC Configuration**. While retrieving configuration, `Attempting to connect to GC - Config Not available` is displayed.
10. After you retrieve the configuration, the configuration tab is available. Select this tab and confirm that the Agilent GC configuration is correct. Select **OK**.
11. Click **Save** on the top right-hand corner to save this configuration.
12. If you are using CTC PAL3, in the **Agilent instruments native configuration** pop-up, move CTC PAL3 GC to the right-hand pane.
13. Double-click the CTC PAL3 GC Sampler.

    The **Configure CTC PAL3 GC Sampler** window is displayed.
14. Specify the IP address of CTC PAL3.
15. Click **Retrieve Configuration**.

    Menu displays **Attempting to retrieve configuration**.
    If successful, **Configuration retrieved successfully** is displayed.

16. Click **Tray Configuration**, confirm that the trays display the physical setup of the CTC PAL3.

    Note: Trays can only be installed or changed using the CTC PAL3 front panel.

17. Select **Tool**, confirm that the configuration is correct.

    Note: Injection tools can only be installed or changed using the CTC PAL3 front panel.

18. Click **OK** to save and close the CTC PAL3 configuration menu.
19. Click **Apply** to save and close.

    The Agilent instrument is populated in **Waters Connect Hub** > **Device Management** > **Manage Instruments**.

Uninstalling Agilent ICF

1. From the waters_connect hub, select **Device Management**.
2. Decommission any instrument systems containing Agilent GC or CTC PAL3.
   Under Instruments Systems, right-click instrument system, select **Change status** > **Decommission** (instrument system must be offline before decommissioning).
3. Under **Workstation** > **Manage Drivers**, select the **Agilent Instruments driver** and select **Remove**.
4. Under **Database Driver** > **Available Drivers**, select the **Agilent Instruments driver** and select **Remove**.
5. You can now uninstall the Agilent ICF driver from the workstation. Type command `Appwiz.cpl` into Windows search or command prompt to open a list of installed programs. Select **AgilentICF for waters_connect**.
6. Right-click and select **uninstall**. The uninstall wizard for the Agilent ICF driver opens. Select **uninstall**.