



## AMPLIFICATION

# Checking Firmware and Software Updates for the C1000 Touch Thermal Cycler and the CFX96 Touch, CFX96 Touch Deep Well, and CFX384 Touch Real-Time PCR Detection Systems

### Quick Guide

Bio-Rad periodically releases updates for the C1000 Touch Thermal Cycler and the CFX96 Touch, CFX96 Touch Deep Well, and CFX384 Touch Real-Time PCR Detection Systems firmware and for CFX Maestro Software. We strongly recommend that you regularly check your system and install any available updates. Installing updates ensures optimal instrument performance and provides additional features as they become available.

To confirm that your system is up to date, check the firmware version installed on your system and the CFX Maestro Software version installed on your computer. Compare these versions to the latest versions posted on the Bio-Rad website at [bio-rad.com/pcrupdates](http://bio-rad.com/pcrupdates).

#### Checking the Firmware Version

1. Turn on the instrument. Wait until the instrument is fully booted and shows the main menu screen.
2. On the real-time system main menu screen, touch **Tools** (Figure 1).
3. In the User menu, touch **About** (Figure 2).
4. Compare the installed firmware version displayed on the instrument (Figure 3) with the most current firmware version available on the website.

**Note:** The 8051 and DSP firmware are used only for real-time PCR. If you are using a C1000 Touch Thermal Cycler for standard PCR, these firmware versions will not be visible.

5. If the version installed on your instrument does not match the current version listed on the website, then download and install the update.

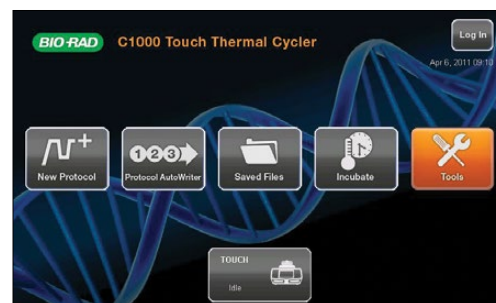


Fig. 1. Main menu of the C1000 Touch Thermal Cycler.

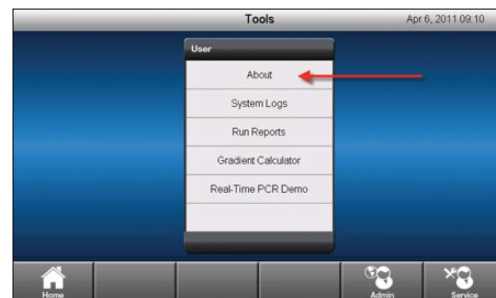


Fig. 2. User menu.



Fig. 3. Installed firmware versions displayed on the real-time system screen.



## Checking the CFX Maestro Software Version Installed on Your Computer

1. Open CFX Maestro Software.
2. On the software menu bar, click **Help > About** (Figure 4).
3. The About Bio-Rad CFX Maestro window displays the installed software version (Figure 5).
4. If the version installed on your computer does not match the current version listed on the website, then download and install the update.

**Note:** CFX Maestro Software can automatically check for updates if the computer is connected to the Internet. For more information, refer to the CFX96 Touch, CFX96 Touch Deep Well, CFX Connect, and CFX384 Touch Real-Time PCR Detection Systems Instruction Manual (#10021337).

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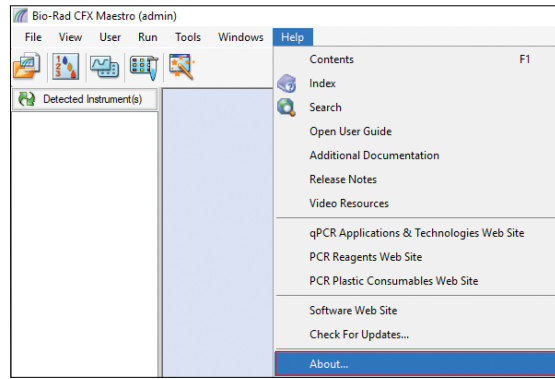


Fig. 4. Navigating in the main window of CFX Maestro Software.



Fig. 5. Installed software version displayed in the About Bio-Rad CFX Maestro window.



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