

# Eco Update v4.1.11.2 Software Release Notes

This document describes new features and improvements of Illumina's Eco instrument operating firmware.

## 1. New Features

- 1.1. Addresses a recently identified initialization issue for systems with Ubuntu v9.10.
  - 1.1.1. Automatic selection of Ubuntu Operating System for Ubuntu v9.10 startup screen.
- 1.2. Automatically repairs the Ubuntu file system upon a file system check prompt in Ubuntu v9.04 and v9.10 without manual user intervention.

## 2. Scope

This version of the software has been developed to patch an identified start up issue with Ubuntu v9.10 software. This release forces the boot loader (grub screen) to automatically select the Ubuntu operating system and start initialization where previously it required manual intervention. This version of the software also allows the Ubuntu system to automatically repair the Ubuntu file system when prompted with a file system check for Ubuntu v9.04 and v9.10.

This release contains an executable for Eco Update v4.1.11.2 Software.

## 3. Installation Instructions

This update will be deployed as an executable. The Eco Real-Time PCR System must initialize before the patch can be executed. In the event the Eco Real-Time PCR System does not initialize, please contact your local distributor for assistance. User must perform the following actions in succession for successful update installation:

- 3.1. Copy EcoUpdate.exe to the PC desktop.
- 3.2. Connect to the Eco Real-Time PCR System using Eco software v3, 3.1, 4.0 or 4.1 (preferably v4 or 4.1).
- 3.3. Upon instrument connection, close the Eco software.
- 3.4. Install EcoUpdate.exe by launching the executable. Progress bar to reflect the installation process.
- 3.5. Eco instrument will power cycle automatically after Eco Update installation.
- 3.6. After Eco instrument has rebooted, open Eco software and claim the Eco instrument. Select "About Eco/License Information" and observe instrument firmware should be updated to (4.111.2, 1.28).

## 4. Trouble Shooting

- 4.1. User cannot connect to Eco instrument after Eco Update installation is complete.
  - 4.1.1. Wait for 5 minutes after Eco Update software installation is complete.
  - 4.1.2. If instrument does not reboot by this time, manually power cycle only the Eco instrument.
  - 4.1.3. Instrument should be available to be claimed after Eco instrument power cycle.

## 5. Upgrade Compatibility

	Eco Update v4.1.11.2 SBC FW v4.111.2 MCU FW V1.28	Firmware Upgrade Required?	Notes
Eco v2.0.6	Not Tested	No	Upgrade from v2.0 to v4.1 is <b>not</b> recommended. You must first upgrade from v2.0 to v3.0, then upgrade from v3.0 to v4.1.
Eco v3.0.16 SBC FW v4.099.0 MCU FW V1.16	Tested	Yes	
Eco v3.1.6 SBC FW v4.107.7 MCU FW V1.25	Tested	Yes	
Eco v4.0.07 SBC FW v4.109.7 MCU FW V1.28	Tested	Yes	
Eco v4.1.02 SBC FW v4.110 MCU FW V1.28	Tested	Yes	

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