

# MiniSeq Software Release Notes

**MiniSeq System Suite v2.2.1**

**MiniSeq Control Software v2.2.1**

**MiniSeq Service Software v2.2.1**

**MiniSeq Recipes v2.1.0**

**June 29, 2021**

## Introduction

These Release Notes detail new features, improvements, and issue fixes for the Illumina MiniSeq Software. For more information on the MiniSeq Sequencing System and associated software, see the MiniSeq Sequencing System page on the Illumina Support Site.

This is an optional software update, users wishing to enable full length reads with 10bp dual indexing should update to this version of software.

Prior to performing the software update, ensure all pending runs have completed with all files finished copying to the final output run folder and software update is performed as a local administrator account in Windows.

If users are upgrading from a version 2.0, please review the release notes for 2.1 for a list of features and bug fixes introduced in that version.

This release is only compatible on Microsoft Windows 10. If your system is running on Microsoft Windows 7 and would like to upgrade to the latest Microsoft Windows 10, reach out to your local sales representative or support team to schedule an upgrade.

The software package includes:

Software Application	Prior Version	New Version
MiniSeq System Suite Installer	2.1.0	2.2.1
MiniSeq Control Software (MNCS)	2.1.0	2.2.1
MiniSeq Service Software (MNSS)	2.1.0	2.2.1
MiniSeq Recipe Installer	2.1.0	2.1.0
MiniSeq Real Time Analysis (RTA)	2.11.4	2.11.4
Universal Copy Service	1.6.3	1.6.3
Illumina DMA Driver	4.5.3	4.5.3
Local Run Manager (LRM)	2.4.1	2.4.1
Firmware	r1.0.3	r1.0.4

## I. MiniSeq System Suite Installer v2.2.1

### NEW FEATURES:

- Update software installer versions (MiniSeq Control Software, MiniSeq Service Software)

## II. MiniSeq Control Software v2.2.1

### NEW FEATURES:

- Enabled support for 10 base pairs (bp) indexing through extending the maximum read length by 4 cycles

### IMPROVEMENTS:

- Resolved erroneous Operational Qualification (OQ) prompt after sequencing
- Improved issue where pre-run check could fail due to bit error check

### KNOWN ISSUES:

- Intermittent Bit Error Rate Failure during pre-run checks caused by PCIe board being disconnected from the BIOS. Current workaround is to perform a hard power cycle.
- On the Run Setup tab, users can select or deselect each checkbox by clicking on the area around the checkbox. This may cause user to accidentally select or deselect certain options on this tab. It is recommended to review selections before proceeding with the run setup.

## III. MiniSeq Service Software v2.2.1

### IMPROVEMENTS:

- Resolved minor bugs in the service software for ease of manufacturability

### KNOWN ISSUES:

- None

## IV. MiniSeq Recipe v2.1.0

No changes were made to this application/software component in this 2.2.1 release.

### KNOWN ISSUES:

- None

## V. Illumina DMA Driver v4.5.3

No changes were made to this application/software component in this 2.2.1 release.

**KNOWN ISSUES:**

- None

**VI. MiniSeq Real Time Analysis v2.11.4**

No changes were made to this application/software component in this 2.2.1 release.

**KNOWN ISSUES:**

- None

**VII. Universal Copy Service v1.6.3**

No changes were made to this application/software component in this 2.2.1 release.

**KNOWN ISSUES:**

- Large file uploads that take longer than 10 minutes to upload will fail data integrity check.
  - Workaround is to update the config file parameter OrphanFileDetectionTimeoutMinutes to a value in minutes to accommodate the time required to upload largest anticipated file(s).

**VIII. Local Run Manager v2.4.1**

No changes were made to this application/software component in this 2.2.1 release.

**KNOWN ISSUES:**

- If user management is enabled in LRM and the LRM user account is NOT an administrator account, the following error will prevent the run from starting: "Local Run Manager Error Originally caused by: Invalid Role". The user should switch to an LRM user account with administrator privileges or disable user management and restart the run.
- Bundled Local Run Manager Modules (.exe) require that the computer's Software Restriction Policy (SRP) be disabled prior to install because they install third party programs, such as a new .NET framework.
  - Contact ILMN Tech Support for assistance in installing these modules.

**IX. Firmware r.1.0.4****IMPROVEMENTS:**

- Added patch for bit error rate issue.

**KNOWN ISSUES:**

- None