

DOCUMENT NUMBER: FM-000-0004-48	TITLE: Form - Product Change Notice	
REVISION: H DCO# DC0005391	DOCUMENT CLASSIFICATION: 04-Forms, Templates or Other	

PCN Number: PCN399137-0001 Revision: A Creation Date: 17 Jun 2026

This Product Change Notice supersedes the following documents:

PCN386433-0002

Description and Reason for Change:

We are pleased to announce the release of **Firmware Version 51.00** for the IntelliXcap™ Automated Screw Cap Decapper/Recapper product range.

Firmware V51.00 replaces Firmware V50.03 and will be available for all IntelliXcap systems. This firmware release incorporates all functionality available in V50.03 and introduces a number of enhancements designed to improve system robustness, operational safety, labware handling, and process reliability.

Key enhancements in Firmware V51.00 include:

- Prevention of incorrect recapping through enhanced tube height verification.
- Improved cartridge replacement process with enhanced end-positioning control.
- Enhanced height detection and automated height calculations for improved labware recognition.
- Reduced rack warpage during recapping operations.

These enhancements have been developed to further improve instrument reliability, reduce the potential for operator error, enhance compatibility with Acoustic tube workflows, and simplify system configuration and operation.

In addition, as part of this firmware release, all IntelliXcap systems shipped from Azenta Life Sciences facilities **will be supplied with the complete set of validated Azenta labware profiles pre-installed as standard.**

By standardizing the installation of all validated Azenta labware profiles, users will have immediate access to the full range of compatible Azenta labware without requiring additional profile installation or service intervention.

This change will become effective as of **June 29th, 2026**, and applies to the following products:

- IntelliXcap™ Automated Screw Cap Decapper/Recapper 96-format
- IntelliXcap™ Automated Screw Cap Decapper/Recapper 48-format
- IntelliXcap™ Automated Screw Cap Decapper/Recapper 24-format
- IntelliXcap™ Automated Screw Cap Decapper/Recapper Acoustic 96-format
- IntelliXcap™ Automated Screw Cap Decapper/Recapper 96-format, Extended Height

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Impact of Change:

Effective June 29th, 2026, all IntelliXcap systems shipped from Azenta Life Sciences will be supplied with the **complete set of validated Azenta labware profiles pre-installed as standard**.

Previously, IntelliXcap systems were configured only with the specific labware profiles requested at the time of order. By standardizing the installation of all validated Azenta profiles, users will have immediate access to the full range of supported Azenta labware without requiring additional software configuration or service intervention.

For each IntelliXcap model, the corresponding validated cartridge profiles will be installed by default:

- IntelliXcap 96:
 - Cartridge 48-8013-01 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,INT)
 - Cartridge 48-8013-02 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,EXT)
 - Cartridge 48-8013-04 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,ACOUSTIC TUBE)
 - Cartridge 48-8013-12 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,0.2ML,EXT)
- IntelliXcap 48:
 - Cartridge 48-8015-01 (ASSY,CARTRIDGE,INTELLIXCAP,48,AZENTA,EXT)
- IntelliXcap 24:
 - Cartridge 48-8017-01 (ASSY,CARTRIDGE,INTELLIXCAP,24,AZENTA,EXT)
- IntelliXcap Acoustic:
 - Cartridge 48-8013-01 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,INT)
 - Cartridge 48-8013-02 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,EXT)
 - Cartridge 48-8013-04 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,ACOUSTIC TUBE)
 - Cartridge 48-8013-12 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,0.2ML,EXT)
- IntelliXcap Extended Height:
 - Cartridge 48-8013-01 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,INT)
 - Cartridge 48-8013-02 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,EXT)
 - Cartridge 48-8013-12 (ASSY,CARTRIDGE,INTELLIXCAP,96,AZENTA,0.2ML,EXT)

Should future application requirements change, **customers can simply purchase the appropriate cartridge and begin using it immediately, without the need for additional profile installation.**

This change provides several important benefits:

- Immediate access to all supported Azenta labware configurations.
- Reduced dependency on service visits for profile installation and system reconfiguration.
- Greater operational flexibility to support changing workflows and sample storage requirements.
- Reduced manufacturing and order fulfillment lead times for standard IntelliXcap with Azenta only configurations.
- Continued application of the same rigorous factory acceptance testing, quality control

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procedures, and verification activities prior to shipment.

Firmware V51.00 has been developed to further improve the robustness, reliability, and operational safety of the IntelliXcap product range:

- **Prevention of incorrect recapping:**
IntelliXcap with V51.00 now verifies tube height during the recapping process and prevents caps from being recapped onto tubes of a different height than those originally decapped. This additional verification step reduces the risk of operator error and helps protect sample integrity.
- **Improved cartridge replacement process:**
The cartridge replacement routine has been enhanced through improved motion control and more accurate switch detection. These changes provide a safer and more controlled cartridge exchange process, reduce mechanical stress on system components, and contribute to extending the service life of both the instrument and cartridges.
- **Enhanced height detection and labware recognition:**
Firmware V51.00 processes the detected light-curtain height directly to improve labware identification and positioning accuracy.
This enhancement reduces the likelihood of errors when processing labware with similar dimensions.
In addition, recap and decap height differences are now calculated automatically, simplifying system setup and improving operational robustness across a wider range of labware types, including labware with closely spaced heights.
- **Reduced rack warpage:**
A new recap de-tension setpoint has been introduced, especially important for when processing Acoustic tubes.
This enhancement reduces stress applied to all racks during recapping operations, minimizing rack warpage and helping maintain rack flatness for automated workflows.

This firmware update does not affect:

- The intended use of the IntelliXcap product range
- Hardware configuration or system specifications
- Compatibility with validated labware

No hardware modifications are required to benefit from the improvements introduced in Firmware V51.00.

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Affected Part Numbers:

This PCN affects Part Numbers listed below:

Part Number	Item Description
46-8012	ASSY,INTELLIXCAP,DECAPPER,96-CHANNEL
46-8011	ASSY,INTELLIXCAP,DECAPPER,48-CHANNEL
46-8010	ASSY,INTELLIXCAP,DECAPPER,24-CHANNEL
46-8014	ASSY,INTELLIXCAP,DECAPPER,96-CHANNEL,ACOUSTIC CP
46-8012R	REFURB,ASSY,INTELLIXCAP,DECAPPER,96-CHANNEL
46-8011R	REFURB,ASSY,INTELLIXCAP,DECAPPER,48-CHANNEL
46-8010R	REFURB,ASSY,INTELLIXCAP,DECAPPER,24-CHANNEL
46-8014R	REFURB,ASSY,INTXCAP,DECAP,96-CHANNEL,ACOUSTIC CP
46-8018	ASSY,INTELLIXCAP,DECAPPER,96-CHAN,EXTENDED HEIGHT
46-8018R	REFURB,ASSY,INTELLIXCAP,DECAPPER,96-CHAN,EXTENDED HEIGHT

Replacement/Alternative Part Numbers

Not applicable.

This change will not affect availability of any of the product codes mentioned in this document.

Specification of alternative products

Software/Firmware	Version 51.00
Controller	51.00
Display	23.03
Light Curtain	20.01

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Recommended Action:

NEW ORDERS:

No action required.

Please continue to order the product codes listed on “*Affected Part Numbers*” section to have the new firmware version V51.00 installed in your device.

UNITS INSTALLED IN THE FIELD:

Azenta Life Sciences strongly recommends upgrading existing IntelliXcap systems operating with Firmware V50.03 or earlier to Firmware V51.00.

Firmware V51.00 introduces significant enhancements to system robustness, operational safety, labware handling, and process reliability.

The firmware upgrade can be performed either at the customer site or at an Azenta Life Sciences service facility, depending on customer preference and local service availability.

It is also recommended to replace all cap driver motors at the same time of the upgrade if the decapper is approaching 10,000 cycles to ensure performance.

Please contact your Azenta Life Sciences representative or Azenta Technical Support team for information on scheduling a firmware upgrade for your IntelliXcap system.

Timeframe for Implementation:

Effective from June 29th, 2026.

Appendix:

N/A

For more information, please contact:

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Further contact information can be found at <https://www.azenta.com/contact-us>

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1 RECORD RETENTION

For Control and Retention of Quality Records, see QMS101517