



## Software Release Notes for nordicICE v2.3.9

Revision 3

Date: August 9<sup>th</sup>, 2010

Approved by: Sigvald Høyheim

---

*NOTE: The most current documentation for released products is available on <http://www.nordicimaginglab.com>. The online documentation may contain updated information on modifications made and issues reported after this document was issued.*

---

### Introduction

These release notes describe the bug-fixes and enhancements included in nordicICE, software version v2.3.9 released on July 5<sup>th</sup>, 2010.

### Overview

This update resolves **2 issues** (bug) and implements 2 enhancements as outlined in the following sections. None of the changes have been evaluated to have any impact on the safety of the application.

### Who should update?

In general we recommend all nordicICE users to update their installations regularly to ensure that they have access to the latest bugfixes and enhancements. The decision to apply a given update should be based on the nature of the resolved issues and their relevance/impact on the workflow and functionality utilized by the user. It is recommended that you update to nordicICE v2.3.9 if:

- You are experiencing poor performance of the co-registration/alignment procedure between functional (BOLD or DTI) data and structural datasets. This update of nordicBrainEx includes optimizations of the co-registration process which improves the achieved results on datasets with a relative high degree of rotation shift. It furthermore improves the memory usage to improve the performance on large structural datasets (512x512).
- **You're using Siemens B17/VB17 System and are having problems to retrieve/receive images via network.**

## Resolved Issues

- #343 Image data with no slice spacing were assumed to have no geometry. For image datasets where the Slice Spacing tag (0018,0088) are not present the geometry information was assumed to be missing even though the Slice Thickness is defined. When loading such datasets a warning message was issued stating that no geometry could be found.
- #353 B0 DTI images from Siemens VB17/B17 systems that are retrieved or received via network fail to insert into database. This error is located in the nt-service nDC that handles all DICOM communication for nordicICE.  
NOTE: This issue was resolved with the installation package built August 9<sup>th</sup> 2010.

## Enhancements

- #349 Update of the co-registration scheme with the following improvements:
- Rotation vertex at the center of the functional image; This ensures that the scheme performs better for data sets with a relative high degree of rotation shift.
  - Reduce memory usage
  - Improve results for low-resolution (64 x 64) data
- #344 Improvement of volume rendering option in the DTI 3D viewer.
- The 'Volume view' feature in the 3D viewer has been improved by optimizing the rendering technique and opacity function.

## Supplementary Notes

The software can be downloaded and updated from the company website:

<http://www.nordicimaginglab.com>

## Contact

For questions or problems please contact support:

[support@nordicimaginglab.com](mailto:support@nordicimaginglab.com)

## Known issues and limitations

**Installation**            Certain files may be blocked by anti-virus program during the installation procedure. As a consequence you will get the following error message when launching nordicICE:

```
nordicICE license error (HASP_FEATURE_NOT_FOUND) -  
...
```

This problem has been reported by users using the AVG antivirus program.

**Workaround: Add the following directory to the 'Exceptions' (list of directories that should not be scanned by the antivirus program):**

**C:\Program Files\Common Files\Aladdin Shared\HASP**

**Then perform an uninstall/install of nordicICE.**

**BOLD Module (#211)**            When changing the underlay volume in the MPR by drag and drop from the data-panel, the activation maps cannot be thresholded anymore using the slider on the BOLD interaction panel.

**Basis Module (#229)**            When applying a ROI mask to an image and saving it, the image is saved without the mask applied.