	Title:	CURRY 9.0.3 Release Notes
	Doc. Number:	**AK333**

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1 Introduction

The part numbers for the Compumedics CURRY 9 product are 9138-0900-01 through 9138-0916-2U. CURRY 9.0.3 is an update for CURRY 9. It contains bug fixes and new features to make recording, review, and analysis of EEG, MEG, and medical image data easier.

CURRY 9 software suite comprises the following programs:

- CURRY 9

- CURRY 9 Launcher

- CURRY 9 Database Server

- CURRY 9 Dongle Updater

2 Changes in CURRY 9.0.3 from CURRY 9.0.2

This is an overview of the most significant changes and bug fixes that were made to the current software release compared with the last release, CURRY 9.0.2.

2.1 Highlights

- Open and record Profusion Nexus 360 studies

- Support for Multi-Okti devices

2.2 Enhancements

2.2.1 User Interface

- None.

2.2.2 Database

- Ticket #4433: When trying to insert an XLTek *.eeg file into the database, the sibling "data" files *.erd is used instead

2.2.3 Acquisition

- Ticket #4429: Added additional option to control amount of parameter dialogs visible in the Acquisition parameter panel

- Ticket #4450: Added default QuikCap Net amplifier configurations for Okti devices

- Ticket #4462: Added functionality to record Profusion Nexus 360 studies

- Ticket #4486: Added support for Multi-Okti devices (synchronize up to 4 Okti128 or 8 Okti64)

2.2.4 EEG and MEG Data Import

- Ticket #4446: Don't automatically move EEG channels to "other" group if EEG group would be empty, then

2.2.5 Signal Processing

- Ticket #4444: Added functionality to open Profusion Nexus 360 studies

- Ticket #4452: Improved handling of Detection Review previous/next buttons when cursors in invalid event

- Ticket #4457: Annotation conditions allow the use of more complex regular expressions

- Ticket #4458: CURRY export should write head shape points even when there are no landmarks

- Ticket #4460: Detection Review operation via Function Keys

2.2.6 Image Data Import

- Ticket #4451: Reading JPEG 2000 format allows decoding signed images

- Ticket #4487: Read mgh files as intensities for FreeSurfer surfaces

2.2.7 Image Data

- None.

2.2.8 Source Analysis

- None.

2.2.9 3D View

- Ticket #4435: "Ctrl + Shift + Click" on a sensor in 3DView now also works for coils

2.2.10 Localize

- None.

2.2.11 Results

- None.

2.2.12 Digitizer

- Ticket #4435: Added support for NDI Lyra digitizer devices

2.2.13 Miscellaneous

- Ticket #4464: Added MD icon to About CURRY 9 dialog

2.2.14 Orion Lifespan MEG

- Ticket #1532: Added support for dual-helmet recordings on Orion MEG devices

2.3 Issues Addressed

2.3.1 User Interface

- Ticket #4454: Pressing "Return" key may disable control's accelerators

2.3.2 Database

- None.

2.3.3 Acquisition

- Ticket #4481: Fixed an issue where global PCA reduction was non-functional when using an "All" artifact average

- . Ticket #4492: Fixed an issue where "Convert Recording" was not functional when exporting in an EDF format

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2.3.4 EEG and MEG Data Import

- Ticket #4434: Parameter wizard writes internal epochs / samples instead of "virtual" - contiguous files become epoched

- Ticket #4442: Swapping channels and samples during raw ASCII import leads to incorrect scales written to DPA file

- Ticket #4447: 4D Magnes reader does not read head shape points correctly

- Ticket #4488: Micromed TRC reader cannot handle disabled channels

2.3.5 Signal Processing

- Ticket #4466: Combined MEG and EEG data is not exported correctly

- Ticket #4467: Combining MEG and EEG should ensure that the combined "others" labels are unique

- Ticket #4473: Cursor positions in frequency domain not applied after reading parameters

- Ticket #4497: Seizure detection event duration is wrong in Functional Data display

2.3.6 Image Data Import

- None.

2.3.7 Image Data

- Ticket #4443: Issue with import/export of segmentation result between image data sets

2.3.8 Source Analysis

- Ticket #4469: Heap corruption in Beamformer when analyzing large files

2.3.9 3D View

- None.

2.3.10 Localize

- Ticket #4461: Localize's adapt-button fails to change number of contacts or spacing

2.3.11 Results

- Ticket #4490: Fixed a crash when exporting Dipole Statistic results to Excel

2.3.12 Digitizer

- None.

2.3.13 Miscellaneous

- Ticket #4427: Crash after deleting multiple users in Options > Logon dialog

- Ticket #4484: Prevent adding events from MATLAB-script during events/epochs scan

- Ticket #4488: Restarting CURRY from within the program might not reclaim optional features

- Ticket #4489: MATLAB Points-export fails when more than 10 Points objects already exist

- Ticket #4491: Time-limited features are displayed with status "perpetual"

3 Known Issues

- Recording video from an RTSP network camera under Windows 11 might require CURRY to run as administrator.

- In frequency domain, sLORETA CDRs or rotating dipoles may produce incorrect results.

- The manual transformation in "Adjust Sensor Locations" may be applied twice when adding a second functional data file.

- When opening "newer" Profusion 4 studies, CURRY does not extract the channel labels, but uses numbers instead.

4 Risk Analysis

There is no increased risk with the changes introduced in this upgrade. If anything, the risk is reduced given that the above-mentioned issues have been fixed.

5 Recommendation for Users in the Midst of a Study

If you are in the midst of a study and consider upgrading from CURRY 8 to CURRY 9, you are advised not to do so.

6 Installation / Upgrade

CURRY 9.0.3 is an update to CURRY 9. However, it does not require the existence of any CURRY 9 software. If you already have CURRY 8 installed, it is possible to install CURRY 9 alongside it as long as they are installed in different directories.

7 Operating System

CURRY 9.0.3 is designed for use on Microsoft Windows 8.1 or later, 64-bit and has been extensively tested on Windows 11 64-bit and Microsoft Windows Server 2019 64-bit. Microsoft Windows 7 or earlier operating systems are not supported. 32-bit operating systems are not supported.

8 Contact and Support Information

A procedure for obtaining support, reporting problems, or requesting features for this software release:

8.1 Obtaining Support

Send an e-mail to curry9help@neuroscan.com. This can be done via

- Help > Send E-mail to Helpdesk

8.2 Reporting Problems

8.2.1 CURRY Produces a Warning

If you are suspicious about a certain warning (error message):

1. Edit > Options > Troubleshooting > Enable Debug Mode

2. Reproduce the error message as straightforward as possible

3. In Output, right-click and select Open in Editor

4. Save the log file and mail its contents to curry9help@neuroscan.com

8.2.2 CURRY Crashes

1. Edit > Options > Troubleshooting > Enable Debug Mode

2. In Output, right-click and select Open File Location

3. An Explorer window opens

4. Reproduce the crash as straightforward as possible

5. In the Explorer window just opened, locate the most recent log file and e-mail it to curry9help@neuroscan.com

8.3 Requesting Features

Send an e-mail to curry9help@neuroscan.com. This can be done via

- Help > Send E-mail to Helpdesk

9 Document History

Revision	Date	Author	Description of Changes
0	08/08/24	JK	Created for CURRY 9.0.3 release