**Introduction**

This is a little manual explaining how to perform cortex-based alignment in BrainVoyager QX in an automated way by using the AutoIt script from Draulio de Araujo (Brazil).

**Overview**

This script performs most of the steps for cortex-based alignment (CBA).

**Background**

Some of the functionality in BrainVoyager that cannot be scripted in BrainVoyager, can be automated using the keyboard and mouse recording tool 'AutoIt'. This is a free tool that can be downloaded from the website (http://www.autoitscript.com/autoit3/):

"AutoIt v3 is a freeware BASIC-like scripting language designed for automating the Windows GUI. It uses a combination of simulated keystrokes, mouse movement and window/control manipulation in order to automate tasks in a way not possible or reliable with other languages (e.g. VBScript and SendKeys)."

**Versions**

BrainVoyager QX version: 1.10  
AutoIt version: 3  
Platform: Windows XP (not all computers)  
Manual: v0.1
**Installation of AutoIt**

Follow the instructions.

**Installation of script**

The script does not need to be installed. When AutoIt is installed, it will run when double-clicking on the script.
Usage

Running the cortex-based alignment script

Once you run it, and select the needed files you, don't touch the mouse anymore. It will do the job. It is tested under different resolutions, and there are still problems with widescreen laptops. It is working fine for the English and Portuguese Windows versions. Other languages might have problems due to the path where BV_.exe is located.

![Image of script execution]

The script will ask for the number of brains to be aligned (see figure below).

![Image of number selection]

The script will ask for anatomical (*.vmr) and folded surface (*.RECOSM.srf) files for as many files as brains that need to be aligned.
About...

By Draulio de Araujo
Laboratorio de Neuroimagem Functional, Brazil.

![Neuroimago Logo](image)