

## **The ABACS+ Module for sliceOmatic**

ABACS+ is a plug-in module for sliceOmatic. It will enable you to segment axial images automatically.

This manual will guide you through the installation process for the ABACS+ module. For more detailed instructions, please refer to the program's documentation at:

[http://www.TomoVision.com/SliceO\\_Help/index.htm](http://www.TomoVision.com/SliceO_Help/index.htm)

### **The ABACS+ license:**

The license for the ABACS+ module are contained in the "Vortoni ABACS+" USB dongle. The license has 2 components:

- A limited period (30 days or 1 year). The 30 days license start when we ship out the dongle to you. The 1 year license start when we email you the V2C file.
- A number of tokens (100 or 10,000). The first time a slice is analyzed with ABACS+, a token will be consumed. Re-analysing the same slice again will not consume any tokens.

## Step-by-Step Installation Part 1

What to have on hand:

- SliceOmatic USB Flash Drive



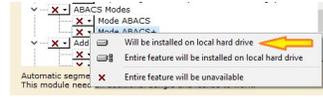
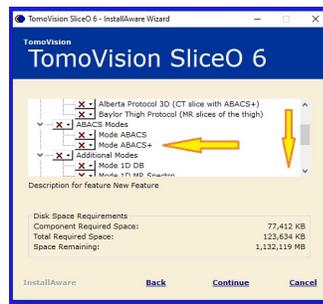
- The license Dongle



### Installing the ABACS+ module from the key:

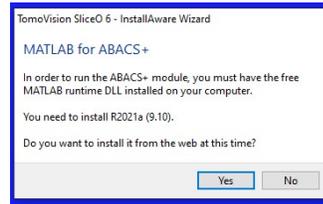
- Log in as an administrator.
- Insert TomoVision's sliceOmatic USB Flash Drive in one of the computer's USB ports. Open your window's browser and navigate to the USB drive. The drive contain only one file: "SliceO\_6\_rxx.exe" (Where "xx" is the revision number). Just double click the file to launch the Install application.

- After a few screens, you will be presented with the list of the features that will be installed. By default, ABACS+ is NOT installed! You need to find it in the list, click on it, and select the "Will be installed on local hard drive" option.



- After the installation, you will be presented with a choice of installing the dongle's devices drivers. If you have previously installed sliceOamtic then the drivers are already installed and you can skip this step.

- You will then be presented with the option of installing the Matlab runtime DLL. You need this DLL in order to run ABACS+.



Please note the Matlab version required specified in this window, you will need this version number for your next choice.

- Clicking Yes will open the Matlab runtime DLL installation web pages. From that page select the appropriate Matlab version for Windows.

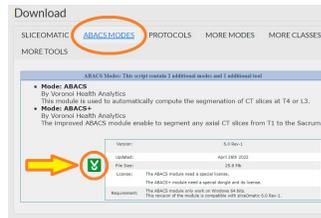


Release	Windows	Linux	Mac
R2022a (9.12)	64-bit	64-bit	Intel 64-bit
R2021b (9.11)	64-bit	64-bit	Intel 64-bit
R2021a (9.10)	64-bit	64-bit	Intel 64-bit
R2020b (9.9)	64-bit	64-bit	Intel 64-bit
R2020a (9.8)	64-bit	64-bit	Intel 64-bit

This will start the Matlab installation process. Once the installation is completed, the Matlab DLL should be located in: C:\Program Files\ MATLAB\MATLAB Runtime" with a sub-directory for the installed version.

### Installing the ABACS+ module from the web:

Alternatively, you can install the latest version of the program from the download pages of the TomoVision's web site. The ABACS+ is under the "ABACS MODES" tab.



The process is quite similar. Just download the installation program, execute it and follow the previously described steps 3 to 6.

### **Installing the License Dongle Drivers**

The dongle contain the licenses for the program. Its drivers should have been installed when you installed sliceOmatic. However, if for any reasons you need a newer version of the drivers, you can find it in the download section for the sliceOmatic software on our web site.

To run the ABACS+ module, you need both the sliceOmatic and the ABACS+ dongles to be plugged in your computer. When the dongles are in place, a red indicator light inside the dongles will turn on.

### **Email TomoVision**

The dongle you received only contains license codes valid for 30 days. TomoVision will send your first year license codes by email when the 2 following conditions are met:

- TomoVision has had confirmation that you received the dongle
- TomoVision has received your payment

At this point you need to advise TomoVision that you have received the dongle.

- Send an email to [sales@TomoVision.com](mailto:sales@TomoVision.com) stating that you have received the dongle and that it is working properly. Unless you specify otherwise, the return address of this email will be used by TomoVision to communicate with you.

### **Step-by-Step Installation Part 2**

Once we received your payment, we will send you an email letting you know that we are ready to generate your yearly license. The process for the first year license and for any renewal after that will be the same:

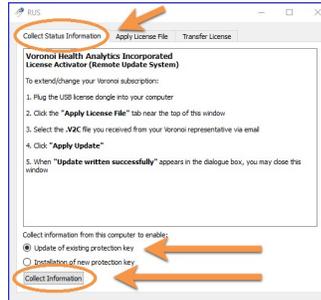
We will need a C2V file from you.

## Generating the C2V file:

- On the computer where you installed ABACS+, with the USB dongle plugged in, start the "Voronoi License Activator" program.

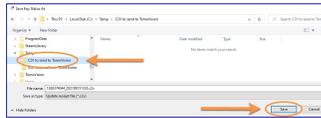
By default it will be installed at the same location as sliceOmatic(c:/Program Files/TomoVision/). You should also have a shortcut to it in "Start/TomoVision" menu.

- On the "Collect Status Information" tab, Make sure the "Update of existing protection key" is selected and click "Collect Information".



This will open a Windows browser.

- Select a location where you want to save the



"C2V" key. and click "Save"

- Email the "C2V" file to us at  
Support@TomoVision.com.

### **Step-by-Step Installation Part 3**

Once we received the C2V code, we will use it to generate your new license. The new license has 2 components: a V2C code that will activate your ABACS+ module for one year, and a "VHAlm.exe" program that will put 10,000 ABACS+ tokens in your dongle.

We will send you an email with a link to these files. The V2C file must be installed before execution the "VHAlm.exe" program.

### **Burning the yearly V2C file to your dongle:**

You need to save a copy of this "V2C" file on the computer where you installed ABACS+.

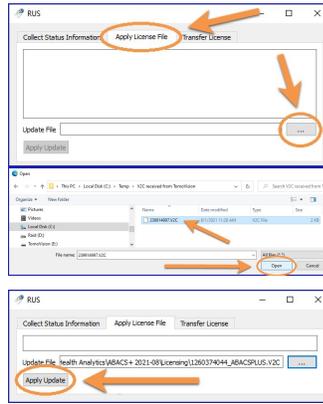
- On that computer, make sure your ABACS+ dongle is

plugged in, and start the "Voronoi License Activator" program.

- From the "Apply License File" tab, click on the "..." button to open a Windows browser.

- Navigate the browser to locate the "V2C" file. Click the "open" button.

- Now click on the "Apply Update" button to burn the new license in your dongle.



You no longer need the V2C file and can delete it if you want..

### Burning the new tokens to your dongle:

You need to save a copy of this "VHAI.exe" file on the computer where you installed ABACS+.

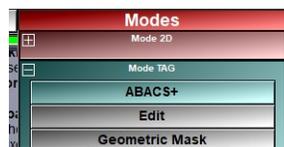
Run the program.

### Moving sliceOmatic to a new computer

If you wish to transfer the software from one computer to another, you can do it. The licenses are contained in the dongles and are not tied to the computer. Just follow the Part-1 of the installation to install the software on the new computer and transfer the dongle to that computer. You do not need to repeat Part 2, your dongle already has the permanent licenses.

### Using the ABACS+ module:

Once installed, the ABACS+ module will show up as a new button in the "Mode" menu of sliceOmatic.



The interface for the ABACS+ module is fairly simple. If you want more information on how to use



the module, simply place your cursor over it and hit the "F12" key to open the instruction web manual at the appropriate page.

You can also access these pages from:

[http://www.TomoVision.com/SliceO\\_Help/index.htm](http://www.TomoVision.com/SliceO_Help/index.htm)

### **Technical Support**

TomoVision's technical support office hours are from 9:00AM to 5:00PM Eastern Standard Time, Monday through Friday. TomoVision's support services are subject to conditions.

You can reach TomoVision's technical assistance by email at [support@TomoVision.com](mailto:support@TomoVision.com) or by phone at (819) 843-1999.

### **Software Update**

As long as your sliceOmatic update license is valid, you can download the latest version of the software directly from TomoVision's web site at:

<http://www.TomoVision.com/download/download.htm>