BabelColor Color Translator & Analyzer (CT&A)
Version 6.1.0 - Freeware (for macOS)

Thank-you for your interest in this BabelColor product!

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1- UNINSTALL ANY PREVIOUS VERSION

For proper operation of CT&A, you should first remove any previously
installed version.

NOTE: Before uninstalling a version which required a Product Key, you should
first open CT&A, deactivate the license, and then close the program.
Please consult the Activation/Deactivation section of the old version manual
for help on performing this operation. If you are unable to deactivate, just
close CT&A.

NOTE: If you have added one or more decks to the Color Decks database file
("ColorDecks_R2.bbd"), we strongly recommend to discard this file and
regenerate your customized database after you update.

IMPORTANT: However, if you want to keep your customized Color Decks database
file, make a copy of the "ColorDecks_R2.bbd" file before deleting the BabelColor
CT&A application. Once the old application is deleted and the new one installed,
simply replace the "ColorDecks_R2.bbd" file in the CT&A application folder by
your customized database. If you were using a version of CT&A older than 3.1,
the Color Decks file name was "ColorDecks.bbd" (without "_R2"), then you must
regenerate your customized Color Decks database; DO NOT CHANGE THE OLD
DATABASE NAME TO THE NEW NAME! (i.e. DO NOT CHANGE "ColorDecks.bbd"
to "ColorDecks_R2.bbd"). DO NOT USE THE OLD "ColorDecks.bbd" DATABASE;
if you do so, the Munsell Deck, as well as conversions to the Munsell space, will be
less precise.

To uninstall an old version, drag the "BabelColor CT&A" application
folder to the "Trash" can. This folder is most likely located in the Mac
"Applications" folder, located at the root level of your System hard disk.

A shortcut to the "Applications" folder can normally be found in any
folder "Sidebar" (unless the user has removed it). If required, you can
enable the folder sidebar by selecting the Finder's "View/Show Sidebar"
menu.

NOTE: The exact "BabelColor CT&A" application folder name depends on the
version installed: "BabelColor CT&A", "BabelColor CT&A (Universal)",
"BabelColor CT&A (Intel)", or "BabelColor CT&A 64 bit".

2- PROGRAM INSTALL

IMPORTANT: You should not install two versions of CT&A at the same
time on a given computer. Please consult Section-1 to uninstall.

ESSENTIAL: For proper operation make sure that you
"Allow apps downloaded from: App Store and identified developer"
in the Security & Privacy control panel is selected BEFORE you download
the install file.

IMPORTANT: The program is packaged in a "disk image", a file with a *.dmg
extension. The program and disk image are digitally signed by an "identified
developer" (i.e. BabelColor). The disk image name is "CTA_Mac_Vxxx-64",
where "Vxxx" is the program version and "-64" identifies it as a 64 bit version.
The downloaded file can usually be found in the Mac "Download" folder unless
you specifically saved it elsewhere.

Open the disk image with a double-click. All program files are contained
in a single folder named "BabelColor CT&A".

Drag the "BabelColor CT&A" folder from the disk image to the Mac
"Applications" folder, located at the root level of your System hard disk.

IMPORTANT: DO NOT PLACE THE "BabelColor CT&A" FOLDER OUTSIDE OF
THE MAC "APPLICATIONS" FOLDER! If you place the folder elsewhere, this will
be detected by the Mac Gatekeeper and the program may not work properly.

You can now close/eject the disk image. We strongly recommend keeping the
disk image in order to reinstall the program at a later time. You should
also do an external backup of the disk image in case of a computer failure.

NOTE: A shortcut to the "Applications" folder can normally be found in
any folder "Sidebar" (unless the user has removed it). If required, you can
enable the folder sidebar by selecting the Finder's "View/Show Sidebar" menu.

To start the program, double-click on the CT&A application icon (which
is, in fact, the "BabelColor" logo). For faster access, you can drag the
"CT&A" icon to the "Dock"; this will create an alias which will provide
a one-click access to the CT&A application.

If you receive the following message the first time you launch CT&A:
  "(EM-19) CT&A cannot open the ColorDecks database…"
please read Section 8 of this document.

The folders and files in the "BabelColor CT&A" application folder are:

FOLDERS:
  i1d3 Support files   : A folder which contains the calibration matrix
                          files for the i1Display Pro. This folder and the
                          files it contains should not be moved or modified.
  Illuminants   : A folder with files containing the spectrum of
                          standard Illuminants in 5 nm and 10 nm bandwidths
  UV-filters   : A folder with files containing the
                          transmission spectrum of UV filters used
                          with the Whiteness tools (Spectral Tools)

FILES:
  CT&A   : The main program
  CT&A_Help.pdf   : The help file in PDF format
  CT&A_Readme.txt   : This file
  ColorDecks_R2.bbd   : The color chips database

3- PROGRAM ACTIVATION AND DEACTIVATION

IMPORTANT: You should not install two versions of CT&A at the same
time on a given computer. Please consult Section-1 to uninstall.

In CT&A free version there is no need for the user to activate or
deactivate the software since all features are enabled by default.

4- INSTALLING THE INSTRUMENTS DRIVERS

In macOS all the files required to operate the instruments are
included within the CT&A application. There is no further installation
required by the user.

Please consult Section-6, "COMPATIBILITY WITH X-Rite i1Profiler and
other X-Rite software," for additional information.

5- OPENING THE HELP FILE

The Help file can be opened from the CT&A application via the "Help" menu., by clicking on the help icon in the toolbar, or by clicking on the "Help" button located in the bottom of most tool windows. It can also be opened by double-clicking on the " CT&A_Help.pdf" file located n the "BabelColor CT&A" application folder.

The Help can be opened with "Preview", "Acrobat Reader", and any application that can read pdf documents.

Preview is installed with macOS.

The free Acrobat Reader application, from Adobe, is available at the following Web site:

  https://www.adobe.com/acrobat/pdf-reader.html

6- COMPATIBILITY WITH X-Rite i1Profiler and other X-Rite software

If you installed software from X-Rite, such as i1 Profiler, which
comprises the "X-Rite Device Services" program, you may receive a
message to the effect that the i1Pro or i1Pro 2 is not connected when
you click on the "Info" button located beside the "Instrument" selection
menu in the toolbar window. Assuming that your instrument is indeed
connected, first check if the i1Profiler program from X-Rite is opened,
and, if opened, close it, since CT&A cannot be used at the same time.

Early versions of i1Profiler provide a control panel named
"X-Rite Device Services", which is used to assign/unassign instruments
to X-Rite software. The latest version of i1Profiler still include
"X-Rite Device Services" but do not include a control panel, and
instrument assignment is performed dynamically when opening an X-Rite
program.

If using an early version of i1Profiler, open the "X-Rite Device Services"
control panel, located in the System Preferences, and DESELECT the
i1 (Eye-One) in the panel; this will make the instrument available for
CT&A. Please note that changes in the X-Rite control panel can be done
while CT&A is opened. You should then be able to connect the instrument
by selecting "Try to connect again" in the "Instrument" menu. The early
versions of i1Profiler may also open one or more dialogs asking if you
want CT&A to take ownership of the i1 peripherals; please answer "Yes"
to the question(s).

"X-Rite Device Services" is dedicated to X-Rite programs and is not
under CT&A's control; any problem related to its use should be directed
to X-Rite.

If the above fails, disconnect and reconnect the instrument, then
select "Try to connect again" in the "Instrument" menu. Please note
that CT&A should be used with only one Eye-One (Display, Display 2,
i1Pro, or i1Pro 2) connected at a time.

7- COMPATIBILITY WITH SOFTWARE WHICH CONNECT TO THE SAME
INSTRUMENTS

It is not recommended to run, at the same time, two programs which
connect to the same instrument! For example, this means that you should
not make i1Pro measurements with CT&A while running X-Rite's i1Profiler,
or vice-versa.

8- ERROR ON LAUNCH: "(EM-19) CT&A cannot open the ColorDecks database…"

This error message may appear if the program was downloaded and installed BEFORE the "Security & Privacy control panel" was set to:
"Allow apps downloaded from: App Store and identified developer"

In this case, you should:
  0. Make sure the "Security & Privacy control panel" is properly set.
  1. Delete (or zip and remove) ALL CT&A app folders.
  2. Delete the CT&A install file (i.e. the disk image) of the version you just installed.
  3. Flush the trash can.
  4. Download again the CT&A disk image install file.
  5. Reinstall as described in Section 2 of this document.

9- TRADEMARKS

BabelColor is a registered trademark, and CT&A and PatchTool are trademarks of Danny Pascale and The BabelColor Company.

Eye-One (i1) is a brand of colorimeters (Eye-One Display, Display 2, i1Display Pro) and spectrophotometers (i1Pro, i1Pro 2, i1Pro 3, i1Pro 3 Plus, Eye-One Monitor) sold by X-Rite.

Eye-One is a trademark of the GretagMacbeth Company (owned by X-Rite).

Spyder5 and SpyderX are brands of colorimeters sold by Datacolor.
Datacolor and Spyder are registered trademarks of Datacolor Holding AG.

X-Rite is a registered trademark of X-Rite Incorporated.