



USB FLAT BOX SOFTWARE USER GUIDE

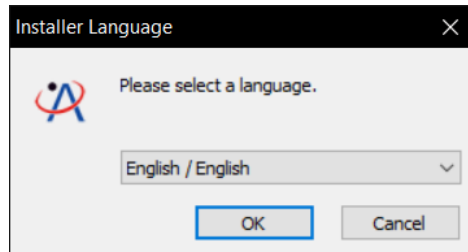
version 1.0.0 | May 2019

Microsoft Windows OS

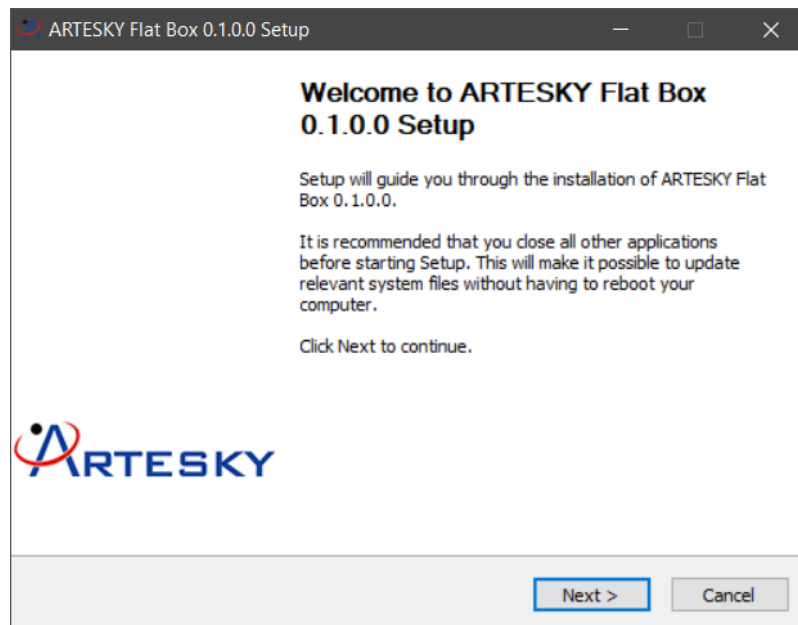


SOFTWARE INSTALLATION

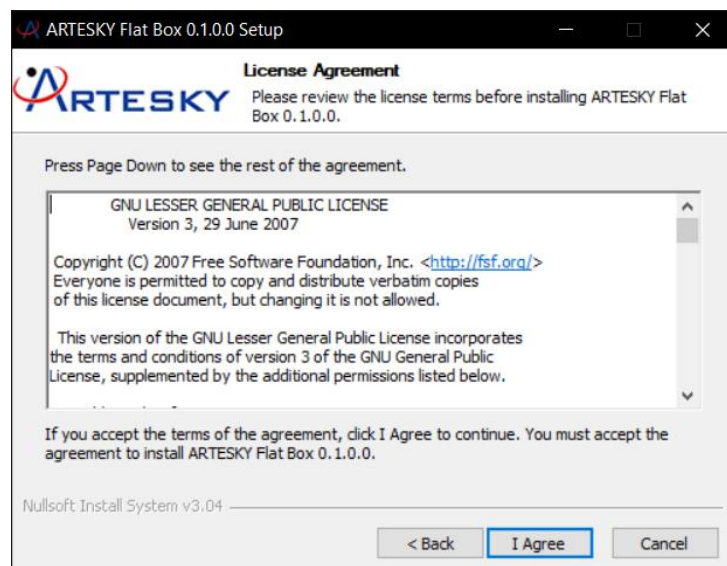
- Download the MS Windows installer from the ARTESKY website <https://www.telescopi-artesky.it> (choose between 32- or 64-bit version)
- Double click on the setup_artesky-flat_0.1.0.0_x64.exe file
- Select the installer language



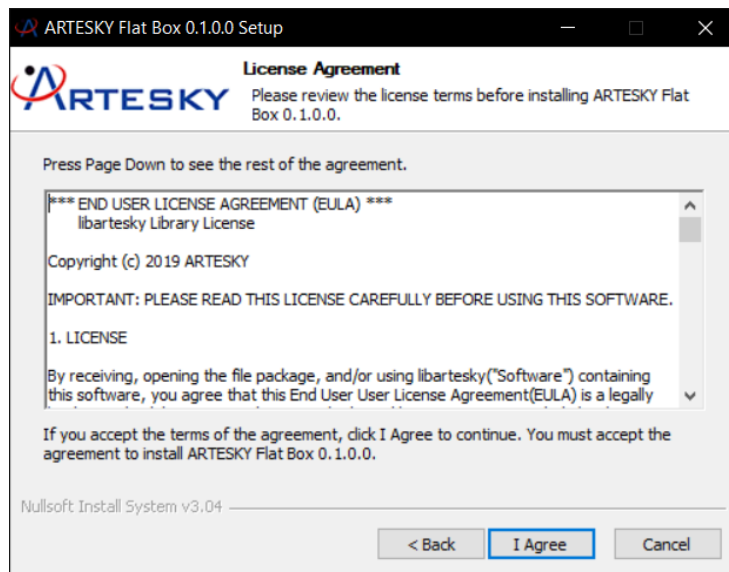
- A welcome message will be shown. Please press the “Next” button



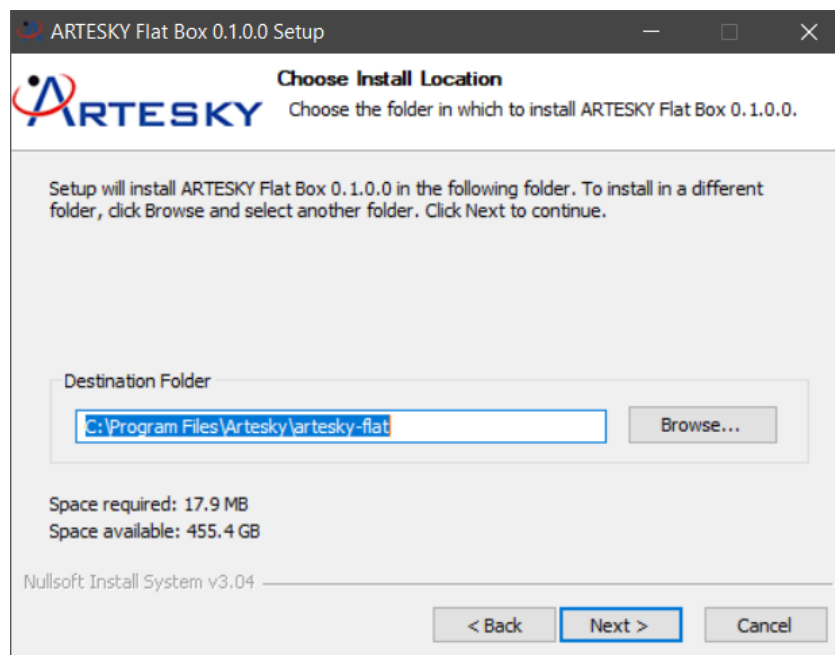
- Accept the ARTESKY Flat Box application LGPL license



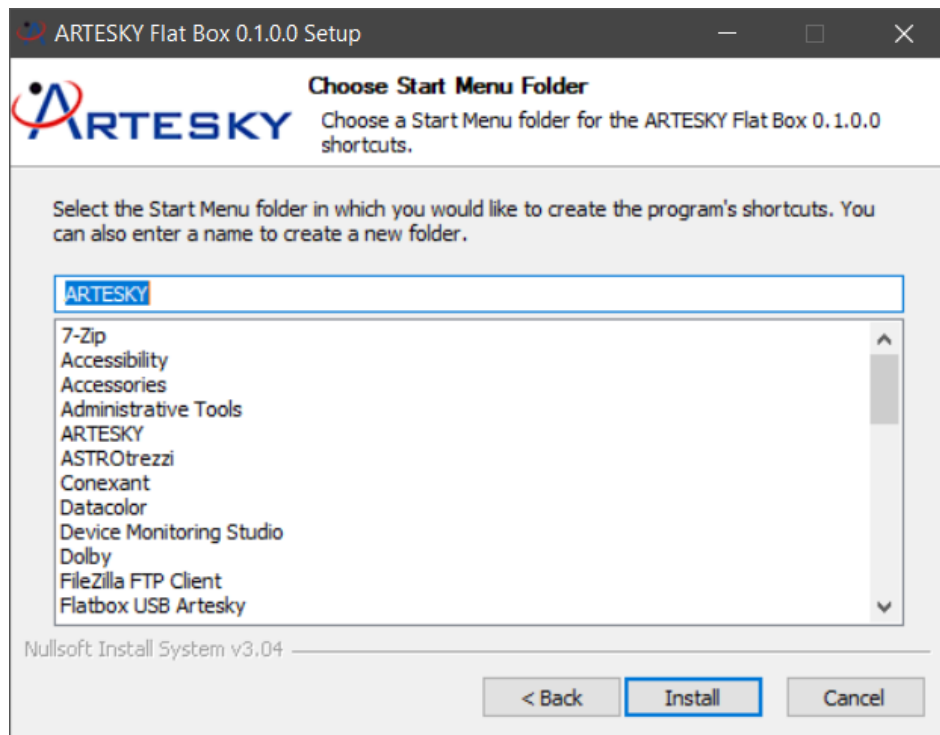
- Accept the LibArtesky library EULA license



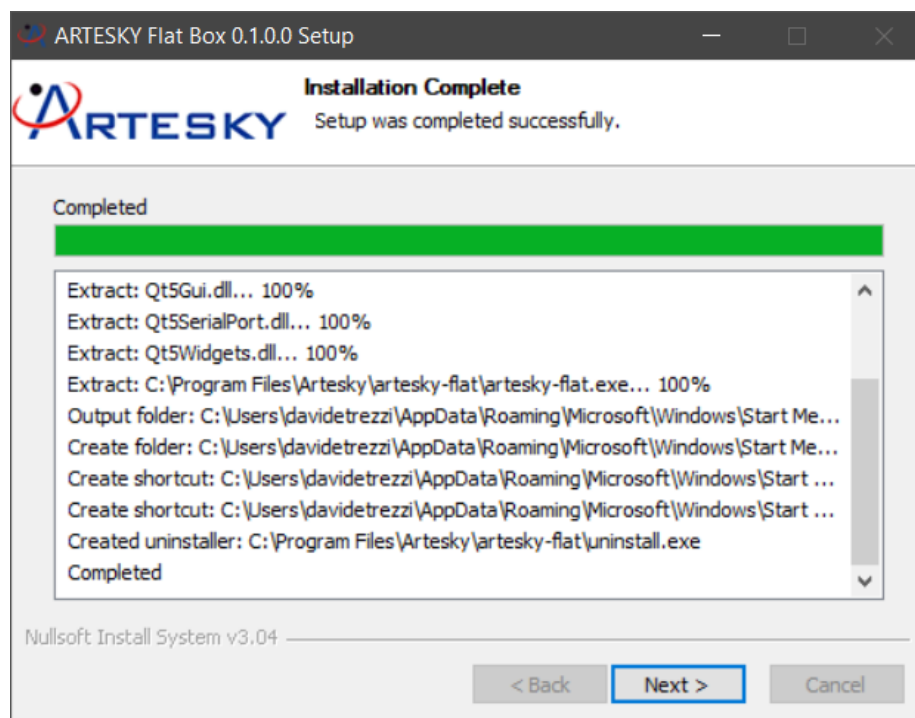
- Choose the file folder where install the ARTESKY usb flat box software on your filesystem



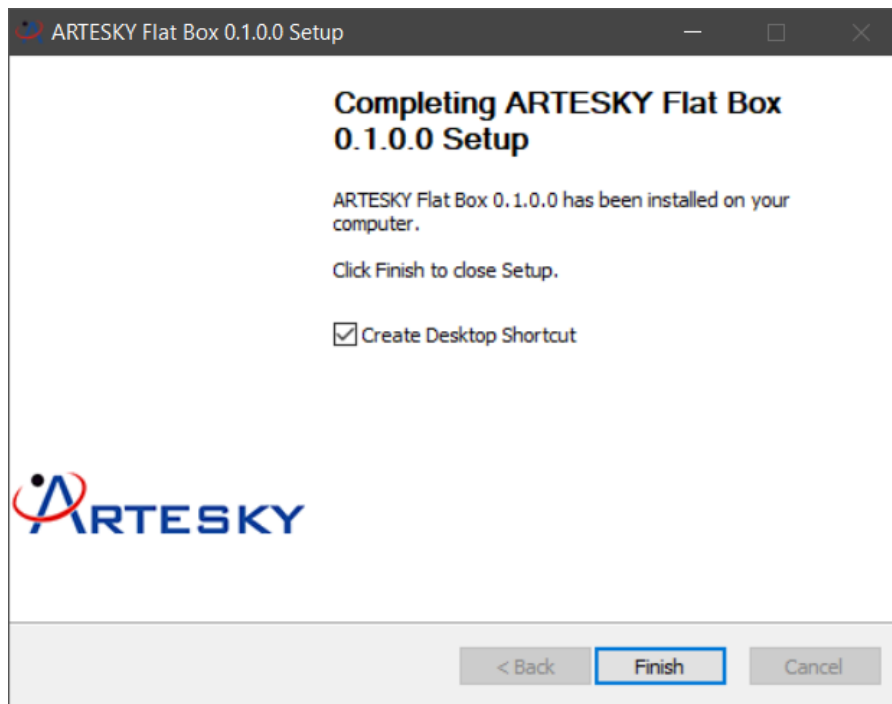
- Choose the Windows Start Menu folder where the ARTESKY usb flat box application will be installed



- Press on “Install” button and wait for software installation




- Check on “Create Desktop Shortcut” in order to create a link to the application on Windows desktop



- Press on “Finish” in order to complete the installation

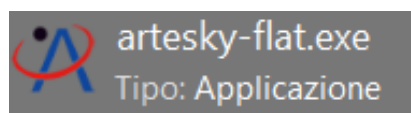
UNINSTALL ARTESKY FLAT BOX APPLICATION


- Click on Windows Control Panel
- Go to Program and Features / Uninstall a Programm
- Right click on ARTESKY USB Flat Box icon
- Click on uninstall


Organizza ▾		Disinstalla		
Nome	Autore	Installato il	Dimensioni	Versione
 ARTESKY USB Flat Box	ARTESKY	01/05/2019	17,9 MB	0.1.0.0

PRELIMINARY OPERATIONS

- Plug the ARTESKY Flat Box using the provided power supply cable
- Connect the ARTESKY Flat Box to the PC using the provided USB cable
- Double click on the artesky-flat icon (using Windows Star Menu or desktop Shortcut). The application will be executed with system administration privileges



- From the “Flat Field Generator” main tab , select the serial communication port using the combo box menu of the Serial Port utility group. If you don’t know at witch port the ARTESKY Flat Box, open the

“Settings” tab  and click on “Connect Now”. In only one ARTESKY Flat Box is connected, the software automatically selects the related serial port. If “Automatic Search” checkbox is enabled, at the startup the application will automatically connect to the ARTESKY Flat Box.



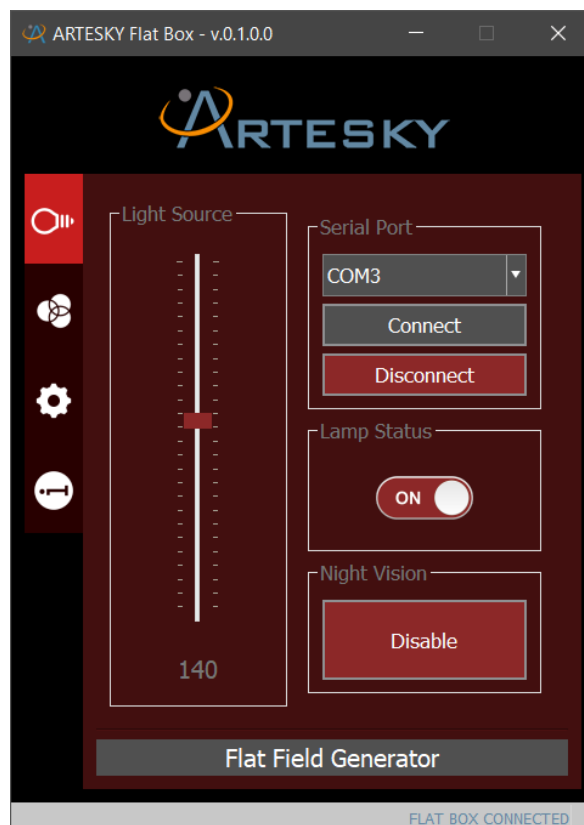
- When the ARTESKY flat box is connected the Connect button is disabled and on status bar the connection status is shown.



- Using the toggle button, switch on the ARTESKY Flat Box lamp. Using the “Light Source” slider is thus possible to change the lamp light intensity. The light intensity level in ADC units is reported under the slider.



- Press on “Enable” to enable night vision colors theme. Again, press on disable in order to go back to normal color theme.



ARTESKY FLAT BOX FILTERS CONFIGURATION



- Open the “Settings” tab . Select from “Settings” group if your camera is a reflex (DSLR) or a CCD camera. Then, select you ISO/binning setting and the filter are you using.
- Using the slider in order to set the lamp light brightness to the appropriate value
- Click on “Modify” in order to enable the “Exposure” setting. Then, write the camera exposure time value on the “Exposure” text field and press “Apply”.
- Repeat the procedure for each filter and ISO/binning settings you need.
- The Flat Box Filter configuration are deleted when the application is closed. In order to prevent data loss, please save your configuration on file using the “Open” and “Save” button of the File group.



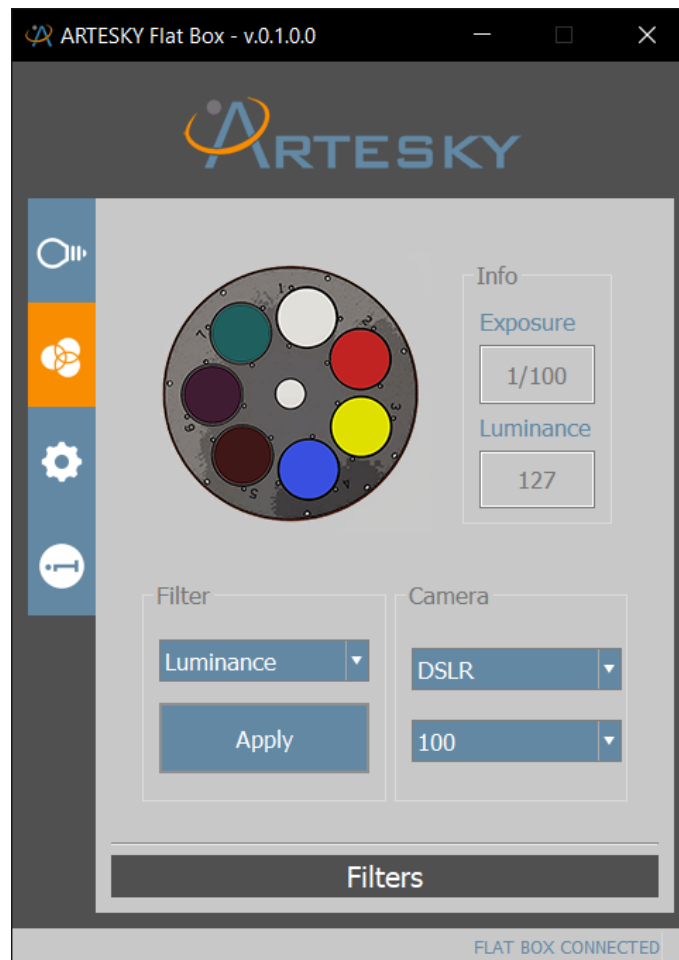
ARTESKY FLAT BOX FILTERS UTILITY





- Click on “Filters” tab and select the desired camera configuration:
 - Model: DSLR or CCD
 - ISO/binning setting
 - Filter type

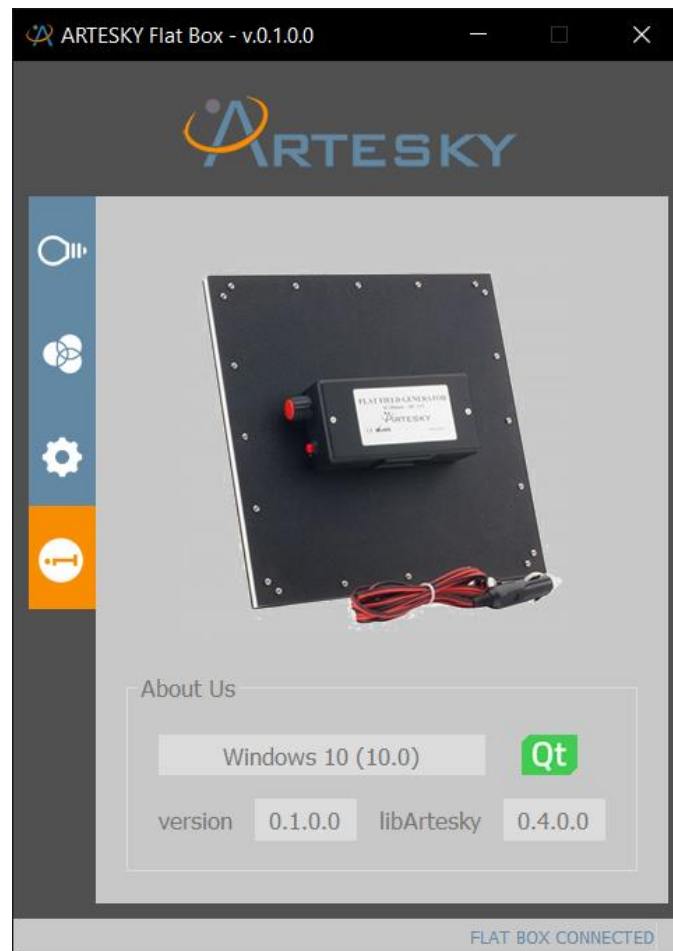
Then click on “Apply” button. Thus, the lamp automatically set its brightness to the configured value

- The brightness level in ADC units as well as the expected exposure time is shown into the “Info” group text fields.



ARTESKY FLAT BOX INFO

- Click on “Info” tab  . The current Operative System, the application version and libArtesky version are reported.
- Click onto Qt icon  in order to show the Qt license and version.



SYSTEM REQUIREMENTS

Minimum requirements for the ARTESKY Flat Box application version 1.0.0 follow:

<i>Operative System</i>	Microsoft Windows XP, 7, 8, 8.1, 10
<i>Architecture</i>	32-bit, 64-bit
<i>CPU</i>	300 MHz Pentium
<i>RAM</i>	128 MB
<i>Interface</i>	USB 2.0
<i>Screen Resolution</i>	800 x 600
<i>Disk Space (MB)</i>	20 MB