USB FLAT BOX

SOFTWARE USER GUIDE
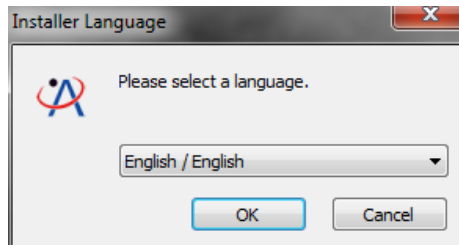
version 1.1.0 | July 2019

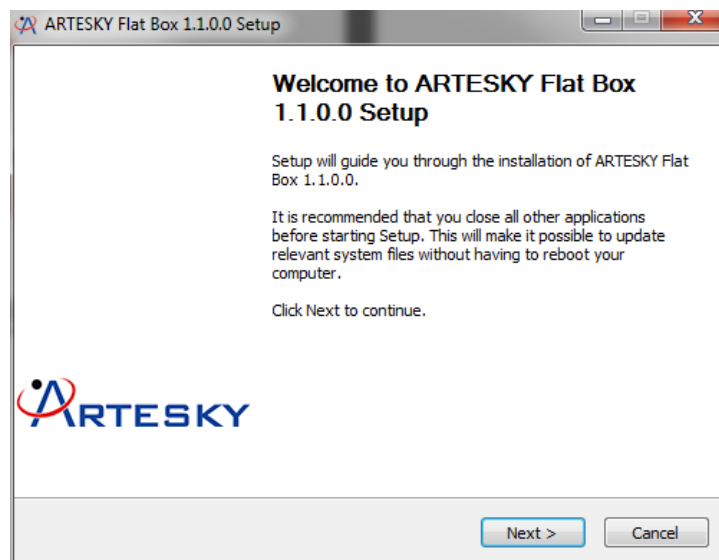### Microsoft Windows OS

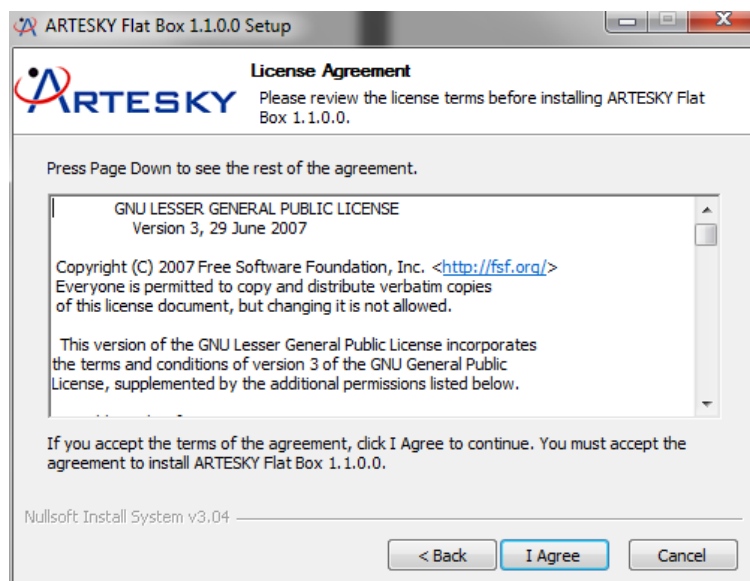- Download from the ARTESKY website https://www.telescopi-artesky.it, the setup file for MS Windows OS, choosing the desired architecture (64-bit for Windows 7 and 10, 32-bit for Windows XP)
- Disconnect the flat box USB cable and double click on **setup_artesky-flat_1.1.0.0_x64.exe** (Windows 7 and 10) or **setup_artesky-flat_1.0.0.0_winXP32.exe** (Windows XP) setup file.
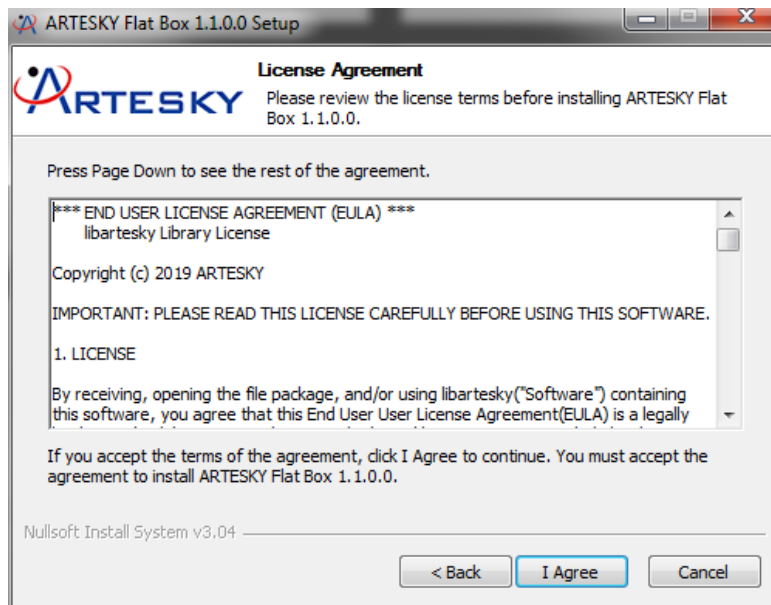- Select the language choosing between English and Italian.

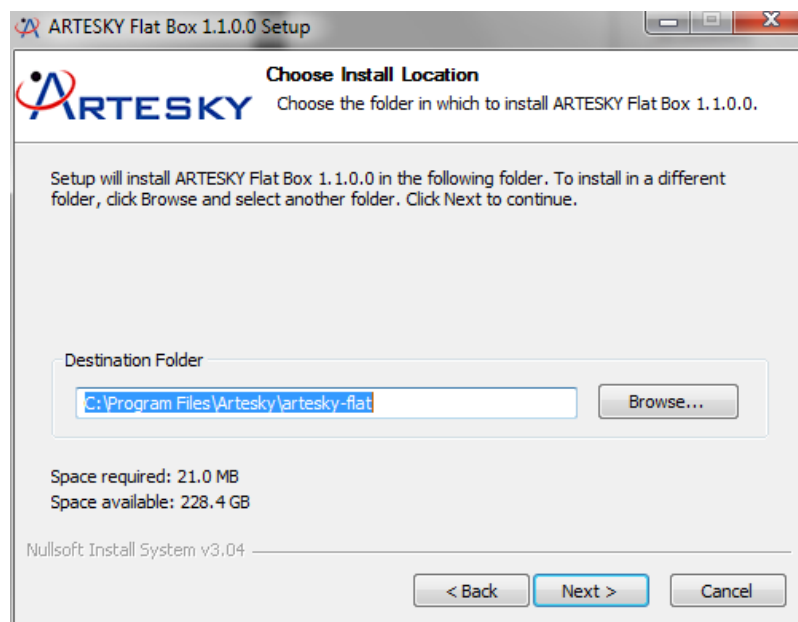- A welcome message follows. Click on "Next" button to go on

- Accept the LGPL license in order to install the ARTESKY Flat Box application
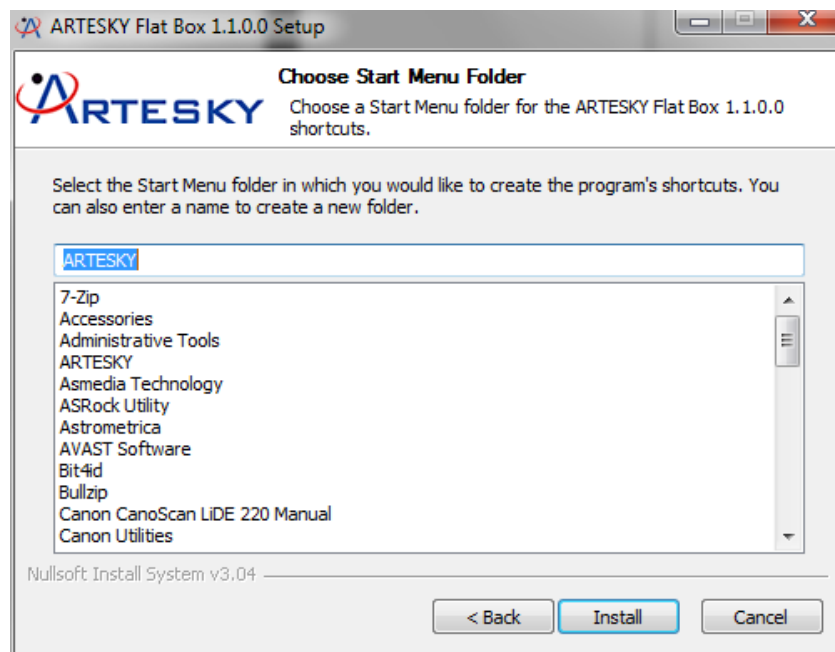
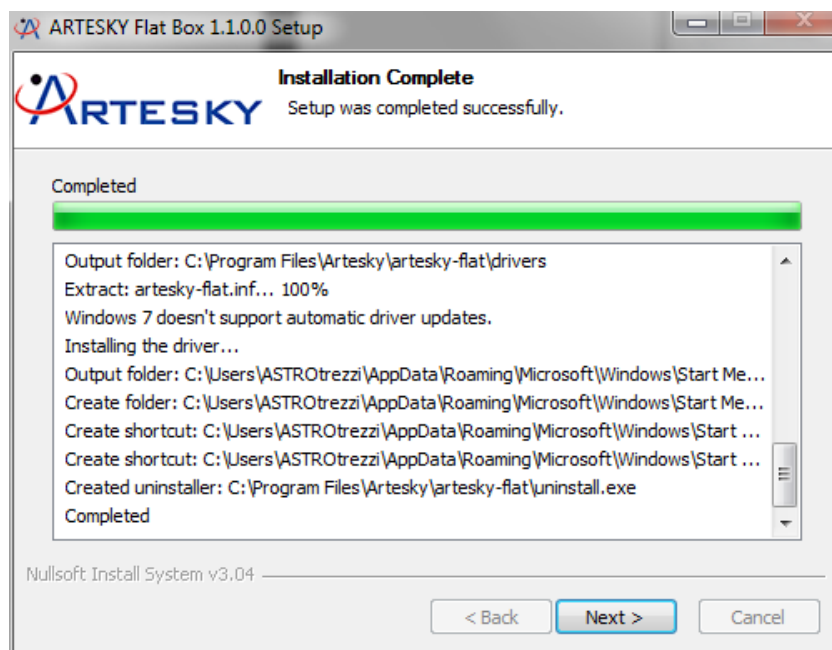- Accept the EULA license in order to install the LibArtesky library

- Choose the computer folder where install the ARTESKY usb flat box application

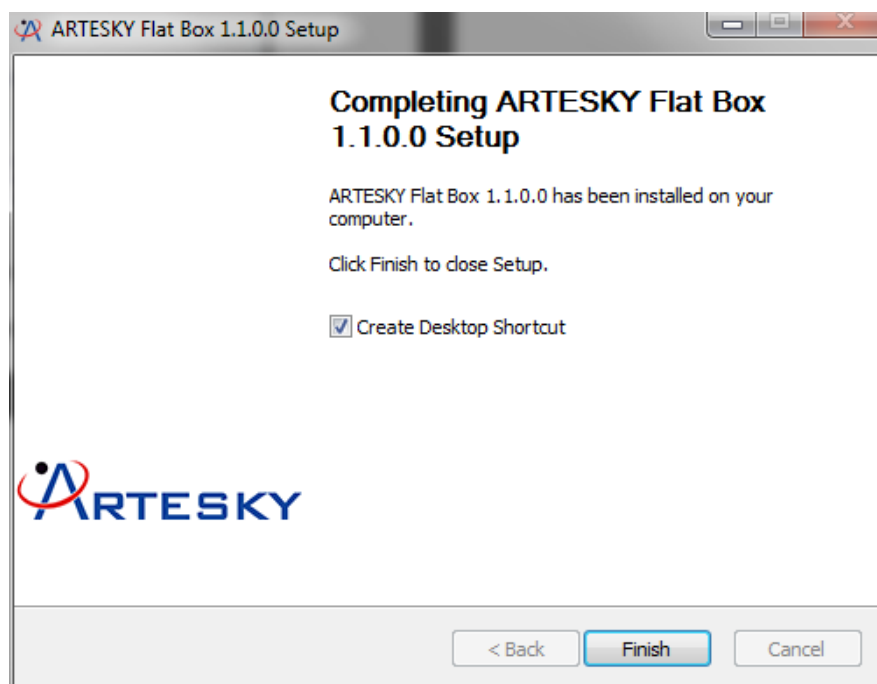- Select the Windows Star Menu folder where install the ARTESKY usb flat box application

- Click on "Install" and wait untill the installation was completed.

- ⚠ During the installation procedure on *Windows 7 or Windows XP operative systems*, the confirmation of USB Flat Box ARTESKY driver installation will be required. Please, click on "Install this driver software anyway" for Windows 7 OS or "Continue Anyway" for Windows XP OS.

- Check "Create Desktop Shortcut" box for create a Windows desktop shortcut of the application.

- Press the "Finish" button to conclude the software installation.
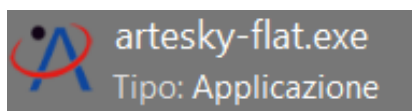
UNINSTALL ARTESKY FLAT BOX APPLICATION

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

- Plug the ARTESKY Flat Box using the provided cable.

- Plug the ARTESKY Flat Box to the PC using the provided USB cable. The ARTESKY USB Flat Box will be automatically installed by the operative system. Otherwise, select the Windows automatic driver research.

- Double click on artesky-flat icon (using the Windows Start Menu or the desktop shortcut icon). The application will be executed with the administrator privileges

- Select the "Info" tab and choose the application language between English and Italian. The selected language is saved for next application usage. This feature is note present on Windows XP OS.
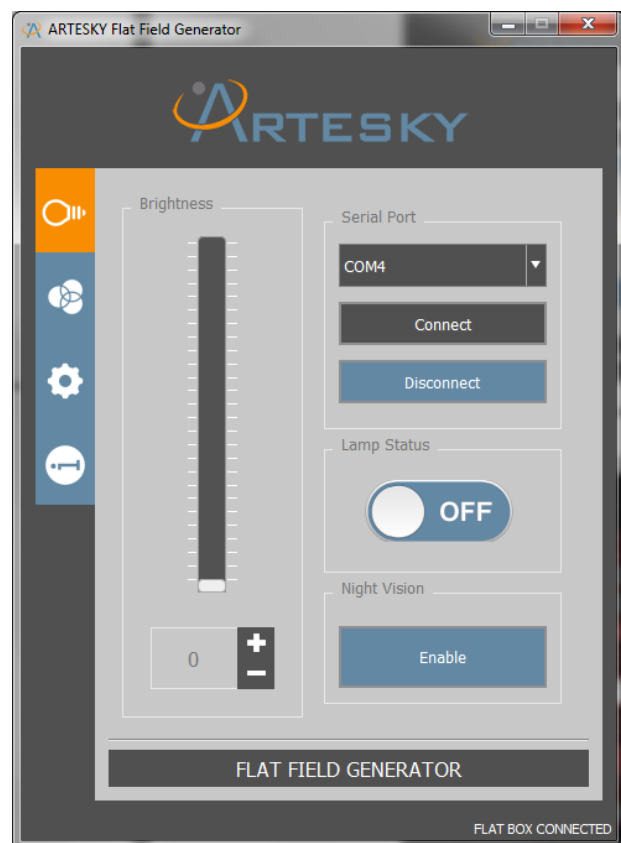

- Select the "Flat Field Generator" tab and choose the serial port using the "Serial Port" group combo box.

If the serial port name of the ARTESKY usb flat box is unknown, select the "Settings" tab and click on "Connect Now" button. If there is only one ARTESKY usb flat box connected to the PC, the application automatically connects to it identifying the relative serial port name.

- When the ARTESKY usb flat box is connected, the "Connect" button will be disabled and the connection status will be shown onto the status bar.

- Using the toggle button, switch on/off the ARTESKY Flat Box lamp. Using the "Brightness" 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.

- 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.

- 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 **Qt** in order to show the Qt license and version.

SYSTEM REQUIREMENTS

Minimum requirements for the ARTESKY Flat Box application version 1.1.0 follow:

Operative System	Microsoft Windows XP, 7, 10
Architecture	32-bit, 64-bit
CPU	300 MHz Pentium
RAM	128 MB
Interface	USB 2.0
Screen Resolution	1024 x 768
Disk Space (MB)	25 MB