INSTALLATION GUIDE FOR

SOLAR UNIVERSAL READER-SCANNER
SOLAR PROFESSIONAL 3000

Software V1.8

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INSTALL THE CAMERA BEFORE THE UNIVERSAL SOFTWARE

1. Reader-Scanner for Microfilm

The reader-scanner has a high-resolution digital camera embedded with a USB 2.0 interface. The data transport speed between the Universal and its host computer is rated at 480 M bits/sec. With this speed, real-time, live previewing of the target is displayed on the host computer screen. In addition, high-resolution still images are easily captured for further processing opportunities.

1.1. Standard packing list for the Universal:

Main assembly.
Light pad with selected power option.
USB2.0 A-A male type cable.
CD with software & instructions.
Choice of microfilm carrier(s).

1.2. System requirements and installation:

System requirements:

1. Pentium IV or equivalent CPU or above.
2. RAM: 512MB or above. (Recommended 1 Gbyte+)
3. Video 128MB or above. (Recommended dedicated 256MB+)
4. Built-in USB 2.0 port or USB 2.0 interface card.
5. Operation system: Windows 2000 (SP3+), XP (SP2+), Vista
6. Microsoft Direct X 9.0 or above (included on the CD)

INSTALL THE CAMERA BEFORE THE UNIVERSAL SOFTWARE

Contact:

If you have any questions, please contact your agent in the first instance or Solar via the online help in the software..

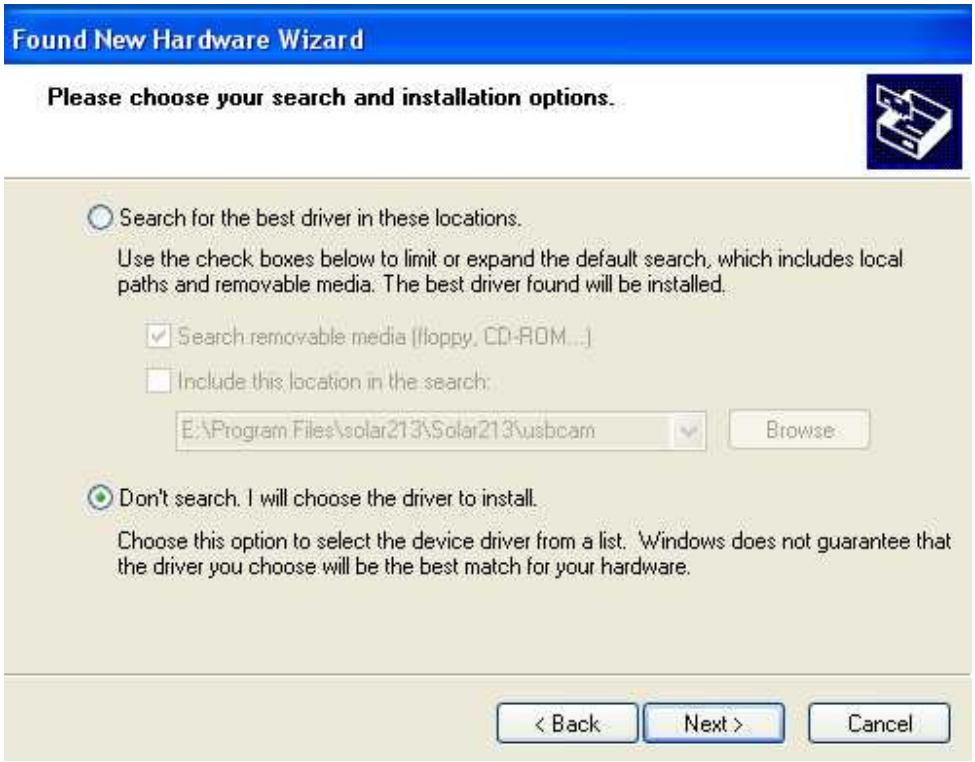
2. Installation of the USB Hardware Device Driver

Connect the reader-scanner to a personal computer or notebook (PC) via a USB 2.0 port.

When the USB 2.0 cable is plugged into the USB 2.0 port of a PC, the Windows operating system will search for the new USB device and show the dialog "Found New Hardware Wizard ". If the camera is not seen try connecting the camera to the PC via an externally powered USB 2.0 hub.

In the following window select “**No, not this time**” and then click "Next" to continue to the next step. Follow the on screen instructions for **manual** installation as shown in the following images.

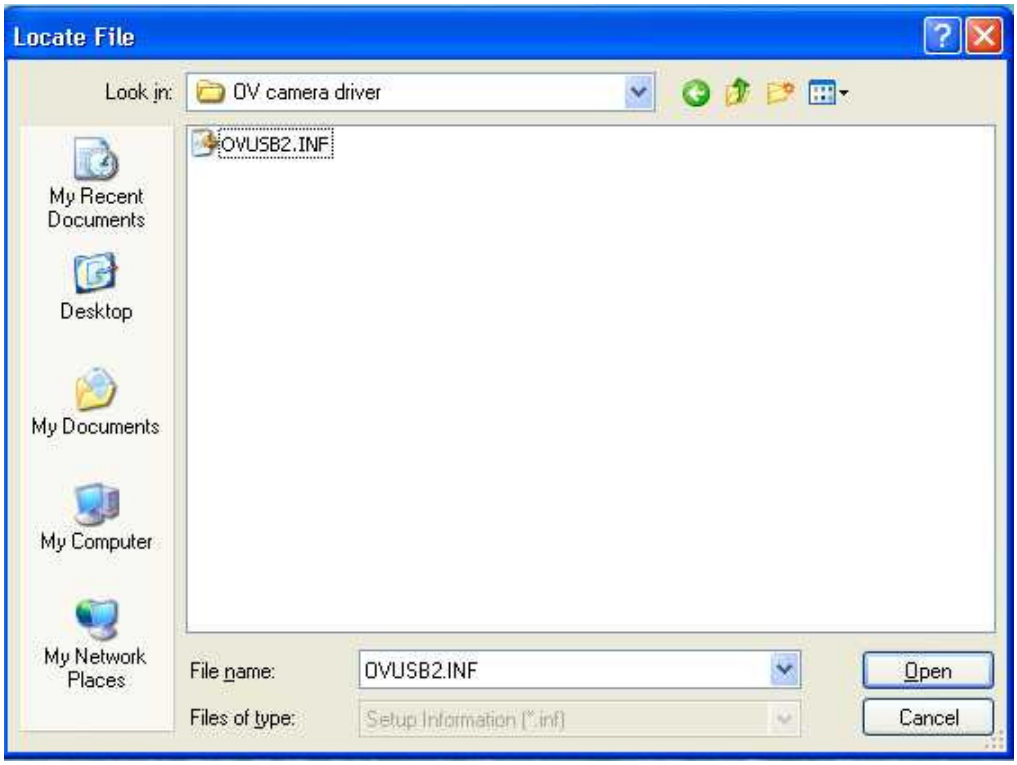
Do not use the automatic installation options.



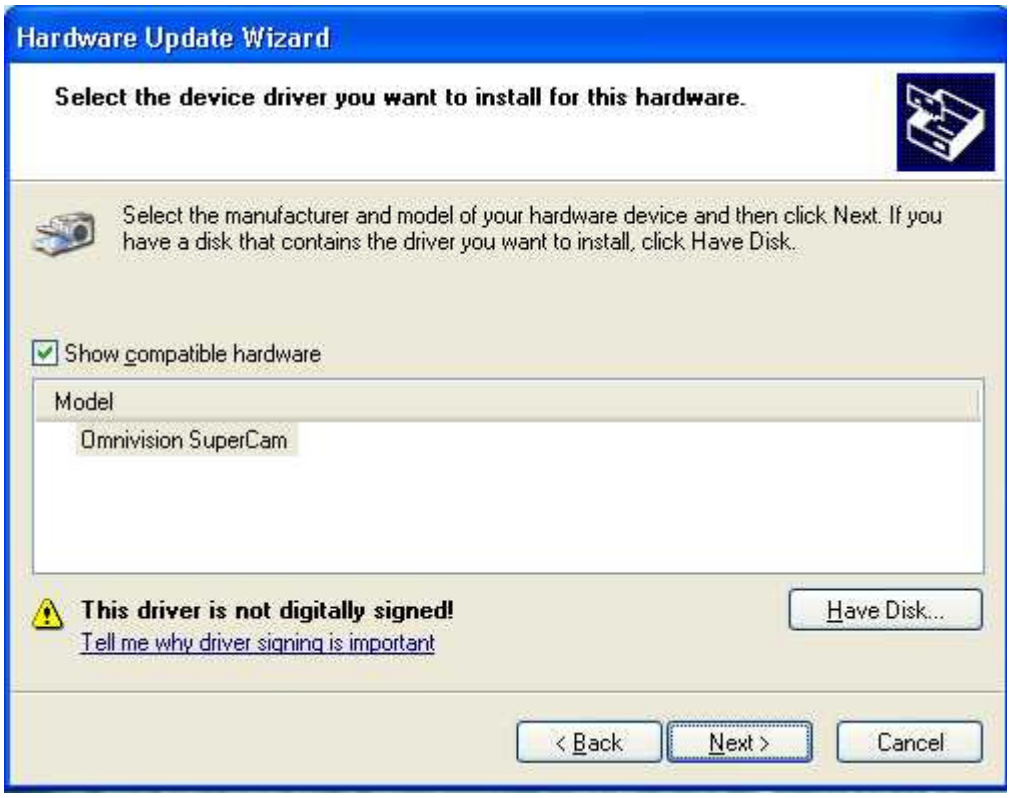
You might now be asked to select the device type. Select “Imaging Devices”.

Click the button “Have Disk” and navigate/browse to the **OV camera driver** folder on the installation CD.

The camera driver and any other files that might be asked for during this process are found on the CD in the folder **OV camera driver**. Choose the driver file **OVUSB2.INF** and click “Open”.



Click “Next”



Click “Continue Anyway”.

Click “Finish”

Warning: Windows might automatically load another driver. Check that the correct driver is loaded. To change the driver, navigate to Device Manager* and use “Update Driver” to install the correct version.

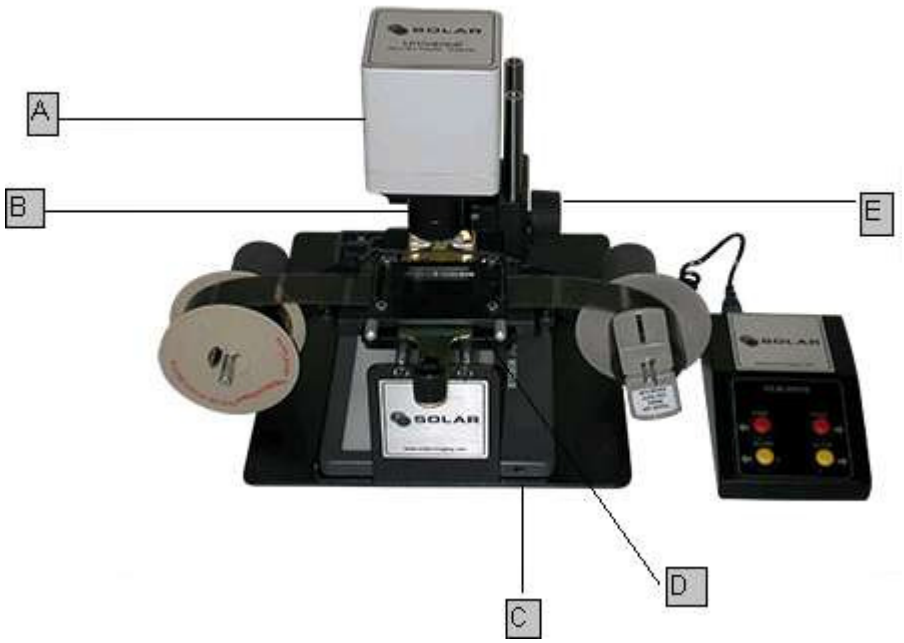
*(Control Panel>System>Hardware>Device Manager>Imaging Devices)

3. Installation of the reader-scanner software

1. Insert the bundled CD into the CD ROM drive.
2. Navigate to the CD.
3. Open the folder **Solar Universal**.
4. Double click **Pro3000.msi** and follow the on screen instructions.

4. The main assembly

Due to ongoing design changes and model variations the images might be different to your system.



A is the camera. Rotate the camera to the left or right so that the image on the computer monitor can be read correctly.

B

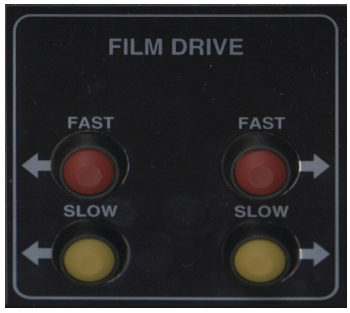
B is the lens. Gently turn the focus wheel to focus.

C is the light pad. Switch the light pad on with the switch to the front-right.

D Film carriers can be easily exchanged by pulling the carrier off and sliding on another.

E is for zooming. Loosen the knob and raise or lower the camera. When in position lightly tighten the knob and re focus.

4.1. The motorised carrier control box



The control box is connected to the motorised carrier by cable **D** and it is separately powered directly from the mains supply via a transformer **E**.

The Red buttons are for left and right fast winding and the Yellow buttons for left and right slow winding.

A single click of a Yellow button will move the microfilm in small steps. For even more precise positioning you may manually turn the film spools on the carrier.

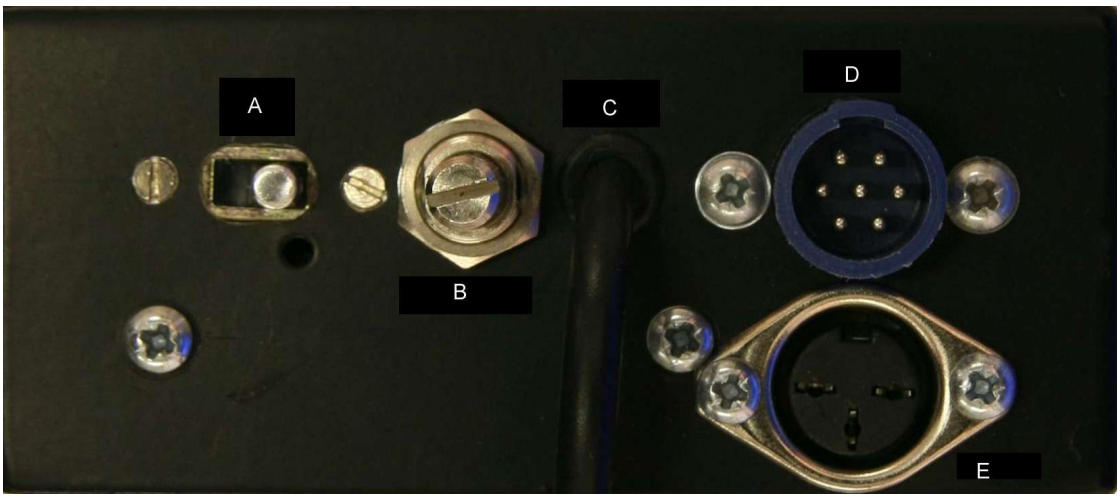
Note: Many users prefer to position the roll microfilm frame by looking at it in relation to the opening on the carrier rather than the live image on the computer monitor.

Changing film direction

The film direction can be reversed by sliding the switch on the back of the control box **A.**

Changing button speed

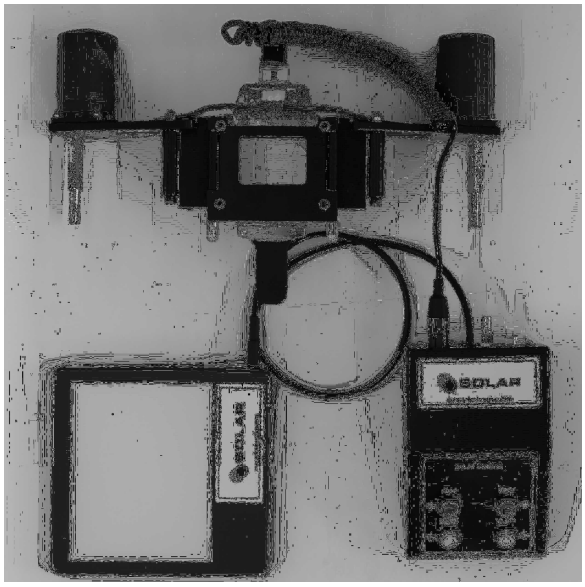
The YELLOW button speed (Slow) can be adjusted by turning the screw on the back of the control box **B.**



4.2. Light pad power supply

If a motorised carrier is fitted then the power for the light pad is taken from the control box via cable **C** as shown below. If a manual, fiche or aperture carrier is fitted the light pad requires batteries to be fitted or a separate power supply.

Motorised carrier



Manual carrier