

Dear customer,

Congratulations on purchasing a high-quality Rollei product. You have acquired a modern Multi Scanner with excellent technical features and respective accessories, which is particularly easy to operate. Please study this information in detail, observing safety instructions, in particular.

The scanner comes with a 2-year warranty. You will need the enclosed warranty card and your sales receipt in the event of the Multi Scanner developing a fault. Keep these in a safe place together with the instruction manual.

Please include the instruction manual when passing on the scanner to a third party.



Note:

- Only use the scanner for the intended purposes. Where the scanner has been used for other purposes, resulting in damage, the warranty shall be invalidated. Injuries and damage to the environment can also only be avoided if used correctly.

Main features

- Multi scanner with 5.1 megapixels image size
- High scanning quality of 1800 dpi and 2400 dpi (interpolated)
- Digitize slides, negatives and photos in a matter of seconds
- Automatic and manual exposure
- Automatic colour balance
- Power supply via USB cable

Contents of box

The box contains the following components:

1. Rollei Multi Scanner PDF-S 340
2. USB-Cable
3. Negative Film Holder
4. Positive Slide Holder
5. 4 in 1 mount for photos and business cards(13x18cm, 10x15cm, 9x13cm and 9.1x5.5cm)
6. OCR CD
7. AC/DC adapter
8. Instruction manual

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1. Safety Instructions

HAZARD for children

- Children do not recognize the hazards that can result from the incorrect use of electrical equipment. The scanner should consequently be kept away from children.
- Keep children away from packaging material. Danger of suffocation !

ELECTRICAL hazard

- Never immerse the Multi Scanner, the USB connection cable and the USB mains adapter in water, as this may cause an electrical shock.
- Do not touch the scanner with wet hands and do not operate in the open or in rooms with a high humidity.
- Do not place any containers filled with water, such as vases near the scanner. The container may tip over and liquid may impair electrical safety.
- The Multi Scanner may only be connected to a PC with a USB interface from version 1.1 onwards. In the event of a fault, the operation with an USB 1.0 interface may cause a short circuit and fire hazard.
- Always disconnect the Multi Scanner from the mains ...
 - ... if you are not using the device for some time,
 - ... during thunder and lightning,
 - ... prior to cleaning the device and
 - ... in case of malfunctioning during the operation.

When the Multi Scanner is plugged into the socket always pull on the USB mains adapter and not on the USB connection cable.

- Pull USB cable out of the USB socket of the computer to disconnect the device from the PC.
- The connection cable may not be kinked or squashed. Keep connection cable away from hot surfaces and sharp edges.
- Do not operate the scanner if there is any visible damage to the USB connection cable or the USB mains adapter
- Do not make any changes to the scanner. Do not replace the USB connection cable or USB mains adaptor yourself. Repairs on the device should only be carried out by a specialist workshop or by the Service Centre. Incorrect repairs can cause considerable hazards for the user.
- Do not overload the USB connections of your computer. If too many devices are connected to the computer, such as cordless mouse, media player, mobile phones or other USB-operated devices, there may not be sufficient power available to operate the Multi Scanner.

WARNING against injuries

- Install USB connection cable so that it does not become a trip hazard.

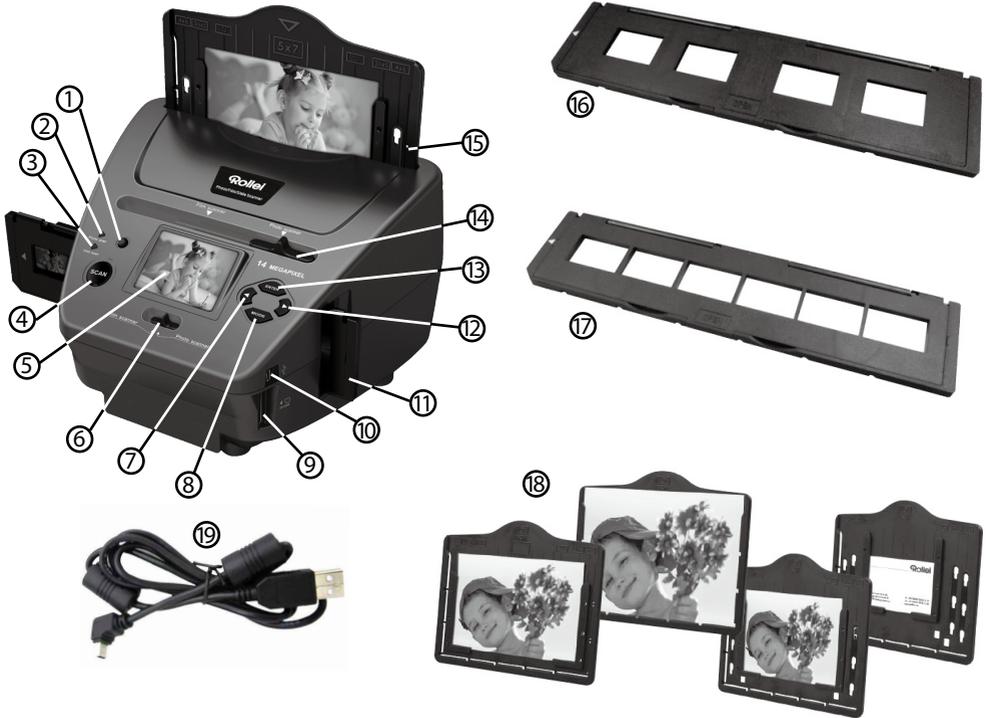
CAUTION – material damage

- Place Multi Scanner on a sturdy, level surface.
- Protect the device against moisture, dust, high temperatures and direct sunlight as these may cause malfunctioning and can damage the electronics or housing.
- Ensure that there is enough space for ventilation around the device.
- Keep a safe distance to heat sources, such as hobs or ovens.
- Do not drop the Multi Scanner and do not subject it to strong impacts.
- Do not place any candles or other naked flames close to the device.
- Do not place device close to strong magnetic fields, e.g. loudspeakers, as this may interfere with its functioning.
- Do not use harsh chemicals or aggressive or abrasive cleaning agents.

Purpose of use

The Multi Scanner is intended for private use and not for commercial purposes.

2. Description of parts

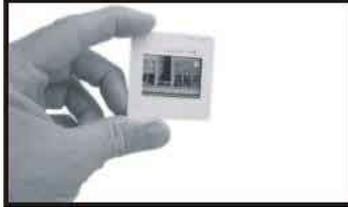


- | | |
|---|---|
| <ul style="list-style-type: none"> 1. ON/OFF switch 2. Control LED photo scan mode 3. Control LED film scan mode 4. SCAN button 5. TFT-LCD colour monitor 6. Switch for scan mode 7. Left button ◀ 8. ENTER button Negative film holder 9. SD-/SDHC and MMC memory card slot 10. Mini USB 2.0 connection 11. Slide holder in insertion slot for slides and negatives | <ul style="list-style-type: none"> 12. Right button ▶ 13. MODE button 14. Slider for selecting scan template 15. Insertion slot for photo holder 16. Slide holder 17. Negative holder 18. 4 in 1 mount for photos and business cards (13x18cm, 10x15cm, 9x13cm and 9.1x5.5cm) 19. USB Cable |
|---|---|

3. Loading Slides

Hold up the slide toward the light. Face the trademark side of the slide away from you. Look through the slide and it should appear normally (not a mirror image).

Now turn the slide so the image is upside down while looking at the same side.



Open the slide holder at the marked spot on the top.

With the slide holder open, place the slide into recessed area in the holder- the slide should fit perfectly.



Note:

- Handle slides with care. Any dust scratches or fingerprints will show up on your saved images. If possible use cotton gloves when handling slides. It is recommended to use compressed air to remove any dust on the slides. This is not included with the film & photo scanner but can be purchased from an office supply or electronics retailer.



Close the slide holder and press the edges so that it locks in place.



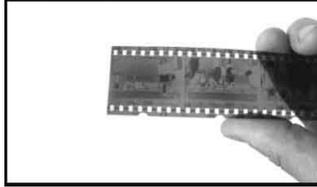
Hold it in the position as shown in the film & photo scanner.

Insert the Slide Holder into the slot on the right side of the film & photo scanner as shown.

4. Loading Negatives

Hold up the negative toward the light. As you look through the negative you should be able to read the small negative numbers normally (not a mirror image).

Now turn the negative so the image is upside down while looking at the same side.



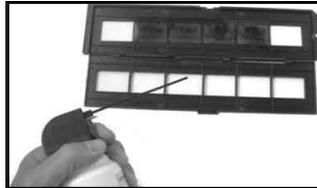
Open the negative holder at the marked spot on the top.

With the negative holder open, place the negative into holder so the notches line up with the notches on the holder.



Note:

- Handle negatives with care. Any dust, scratches or fingerprints will show up on your saved images. If possible use cotton gloves when handling negatives. It is recommended to use compressed air to remove any dust on the negatives. This is not included with the film & photo scanner but can be purchased from an office supply or electronics retailer.



Close the negative holder and press the edges so that it locks in place



Hold it in the position as shown in the film & photo scanner.

Insert the negative holder into the slot on the right side of the film & photo scanner as shown.

Film Holder: The design of the film holder follows the ISO standard. In some cases the holes on the film will not match exactly to the alignment of the holder. This is caused by a non-standard camera. In this case there will be a small black line on the edge of the frame that can easily be cropped out using photo editing software.

ISO-- International Organization for Standardization

5. Inserting photos

Adjust the Photoholder to the desired size. You can set the holder for the sizes 9x13, 10x15 and 13x18 cm, as for Name cards. Insert the border pieces in the available holes and push them down.



Note:

- Handle photos with due care. Dust, scratches or fingerprints will be visible on the saved image.



Insert picture frame into slot in the top of the scanner (see illustration). Prior to scanning photos, ensure that no slide or negative holder has been left in the scanner.



Note:

- Observe that prior to commencing the scanning operation the right image size for the picture holder must be set in the menu.

6. General operations



Note:

- Maybe there is some difference between the preview image and saved image, please subject to the image that you saved in SD card.

6.1 Quick Start

- Please insert the memory card into the device, and do not take out the memory card when the device is operating, otherwise the device will be powered off automatically.
- If you want to scan the film, please push the two switches on the top of the device to the left side. Otherwise if you want to scan the photos, please push the switches to the right side.
- Put Slide/Negative onto the Slide/Negative Holder or insert photo into appropriately sized photo tray (13x18cm, 10x15cm, 9x13cm)
- Insert the Slide/Negative Holder into the slot on the right of the device or insert photo tray into photo tray slot from the top of the device.
- Apply the power to the film & photo scanner by two ways:
 - (1) USB: Connect the film & photo scanner to PC with USB cable
 - (2) 5V adapter: Connect the adapter to the device with USB cable

Press POWER button to turn on the film & photo scanner.



NOTE:

- When the Film scanner mode is selected, the Film scan indication LED is on.
- When the Photo scanner mode is selected, the Photo scan indication LED is on.

- Follow the menu on screen for scanning.
- After you have finished scanning, take out the memory card.



Note:

- The film & photo scanner has a built-in memory for recording, when there is a memory card inserted, it will take priority for saving data

- Or read pictures from PC by USB mode
- When capturing in either photo or film modes, please remember to push both slide switches to the correct placement.

A notification will appear on-screen as a reminder to carry out the following:

1. Photo: push both sliders to the right

2. Film: push both sliders to the left.

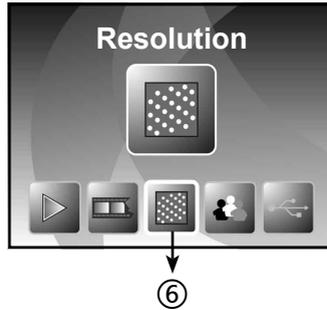
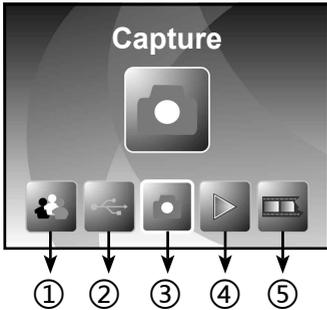
1. Push the slider above to the right(photo scanning)
2. Please remove film tray for photo scanning

Push the slider above to the left (film scanning)

6.2 Operation Guide

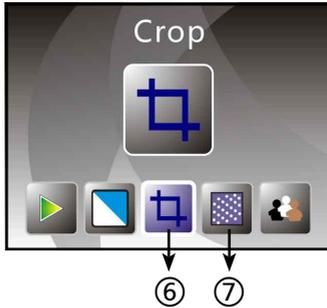
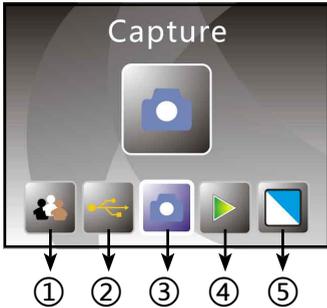
Home: Main menu

When the Film scanner mode is selected, the following main menu will appear:



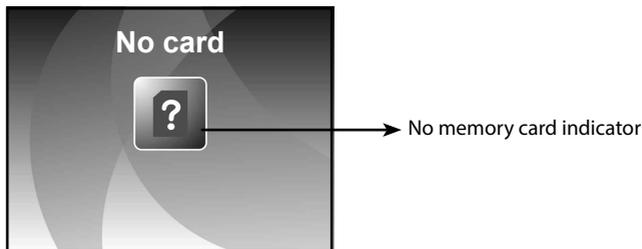
- ① Language mode
- ② USB mode
- ③ Capture mode
- ④ Playback mode
- ⑤ Film Type
- ⑥ Resolution

When the Photo scanner mode is selected, the following main menu will appear:



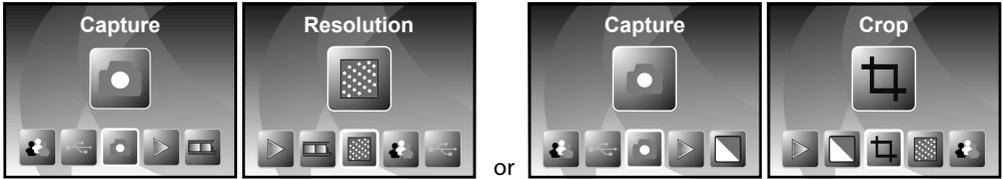
- ① Language mode
- ② USB mode
- ③ Capture mode
- ④ Playback mode
- ⑤ Effect: multicolor, B&W
- ⑥ Crop proportion:
(13x18cm, 10x15cm,
9x13cm , name card)
- ⑦ Resolution

Home/MODE: No memory card



If there is no memory card inserted into the device, a warning icon will be shown on screen when entering the main menu

6.3 Capture



After the welcome page, the above menu will appear. You can press LEFT/RIGHT button for desired menu, and then press ENTER button to confirm the selection.

Adjust brightness and color of image

You can adjust brightness and color of image in capture mode. When enter into capture mode, press ENTER button, following picture will show on:

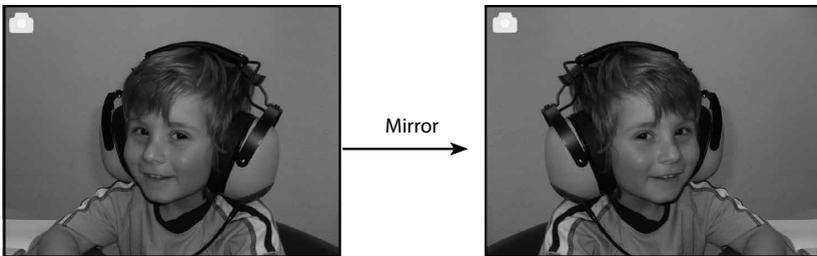
EV means brightness; R means red; G means green; B means blue.

Press ENTER button to switch, press MIRROR/FLIP to adjust data
Press SCAN button back to image preview mode

EV	•	•	•	•	•	•	•	•	•	•
	-2	-1	0	1	2					
R	•	•	•	•	•	•	•	•	•	•
	-2	-1	0	1	2					
G	•	•	•	•	•	•	•	•	•	•
	-2	-1	0	1	2					
B	•	•	•	•	•	•	•	•	•	•
	-2	-1	0	1	2					

6.4 Capture: Mirror/Flip(Hard Key)

If any image requires for Mirror or Flip before capture, press LEFT/RIGHT button for Mirror/Flip function, the live view will be adjusted accordingly (This step is to correct an image incorrectly placed the film/photo either upside down or flip). Mirror and Flip function can only be used while in the live view mode.



Press LEFT button to change image left to right



Flip



Press RIGHT button to upside down image

6.5 Capture mode

Once entered capture mode, there will be an indicator on the left top corner to indicate it is in live view mode.

You can also press ENTER button, then press LEFT/RIGHT button to adjust EV value, press ENTER button again to confirm and this will take you back to live view mode.

Live view indicator



6.6 Capture: Edit Menu

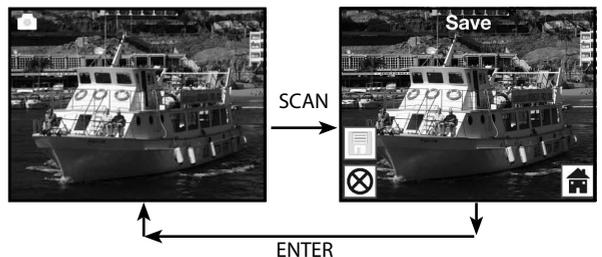
- ① Save: save captured image
- ② Cancel: cancel any editing done with this image
- ③ Home: back to the main menu

Selected image



6.6.1 Live view ► Capture/Edit menu

Once you press SCAN button in live view, the edit menu will appear. When you press ENTER button, the current image will be saved to internal memory or memory card (when there is a memory card inserted). The display will return to live view again.



6.6.2 Capture: Save

Once you press SCAN button, the preview (live view) image will be selected and shown on the screen. This will take between 1~2 second with 2 icons shown on the left side of the screen. The SAVE icon will be highlighted for you to confirm by pressing the ENTER button, after the above step, the display will go back to live view mode (preview)



6.6.3 Capture: Cancel

Select the Cancel icon with LEFT/RIGHT button and press ENTER button to cancel any editing with the selected image. The display will return to live view mode i.e. (nothing will be saved)



6.6.4 Capture: Home

Select the Home icon with LEFT/RIGHT button, then press ENTER button or press MODE button on top of the device at any time to return to main menu



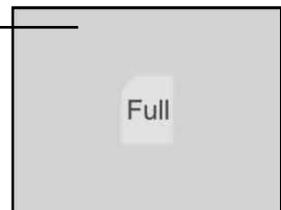
6.7 Exit from Edit mode to go back to Capture mode (live view)

Once you press ENTER button for save or cancel option, the display will return to capture mode/live view. Then you can move the film holder to the next film or change to another photo to capture.

6.8 Memory full

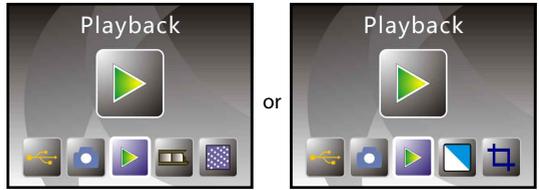
Once the images in internal memory or memory card is full, a memory full icon will be shown on screen when you press the SCAN button. You will then have to download the images to a PC or replace another memory card for continued capture.

Memory full indicator ←



6.9 Playback

Press LEFT/RIGHT button to go to the playback mode, or access the main menu by the pressing the Home icon/MODE button at any time. Press the ENTER button to confirm the selection.



6.9.1 Playback: Auto Slide Show

Once you enter playback mode (default to slide show), the screen will automatically display all images stored in the internal memory or memory card with 2 seconds interval from the previously captured image. You can also stop the slide show by pressing the ENTER button (Only the images captured by the film & photo scanner are available in playback mode)



6.9.2 Playback: Edit Menu



- ① Rotate +90: captured image rotate +90 degrees
- ② Rotate -90: captured image rotate -90 degrees
- ③ Delete: delete this picture stored in internal memory or memory card
- ④ Exit: return to Slide show mode
- ⑤ Save: save the modified image to internal memory or memory card
- ⑥ Home: return to main menu

6.9.3 Playback: Slide show ► Single picture ► Edit mode

User can interrupt (stop) slide show mode to stand alone playback mode (single picture playback) by press ENTER button. (Pause slide show) Then user is able to scroll each picture by LEFT/RIGHT

button. Once user select the picture stored in internal memory or memory card which intended to be modified, press ENTER button again to bring out the edit mode for modification.



Slide show mode

ENTER



Single picture mode Use LEFT/RIGHT button to scroll picture

ENTER



Edit mode

If there is no memory card inserted or no image in internal memory, TFT will auto display 20 frames stored in internal memory when enter playback mode, but they will not be edited anytime.



ENTER

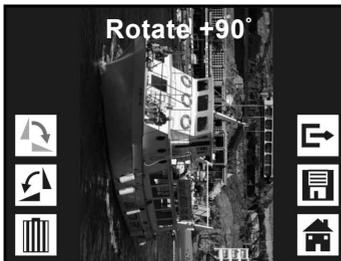


ENTER



6.9.4 Playback: Rotate/Save

If user wants to rotate +90 degrees by ENTER button, the image will be rotated +90 degrees and cursor will remain at Save. Press ENTER button again to save modified result and next picture will be shown. For continuously rotate +90 degrees, move cursor to rotate again and press ENTER button. (Same for Rotate -90 function)

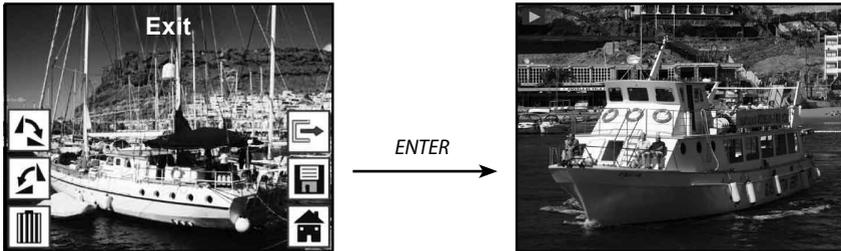


ENTER



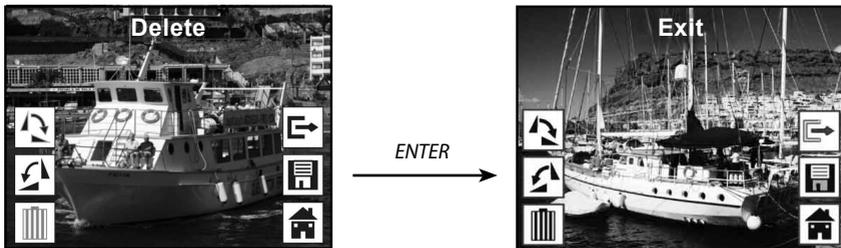
6.9.5 Playback: Exit

Once user select Exit function in edit menu, the display will go back to slide show starting with the current picture without any change



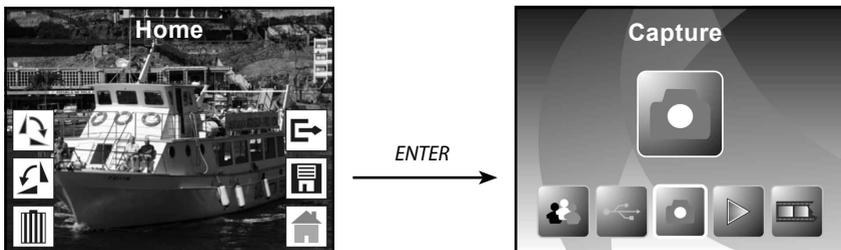
6.9.6 Playback: Delete

Select delete icon with LEFT/RIGHT button then press ENTER button, that will delete the present selected picture and next picture will be shown. Cursor will remain at Exit icon. If user intend to process continuously delete, just move cursor to delete icon again and press ENTER button to confirm.



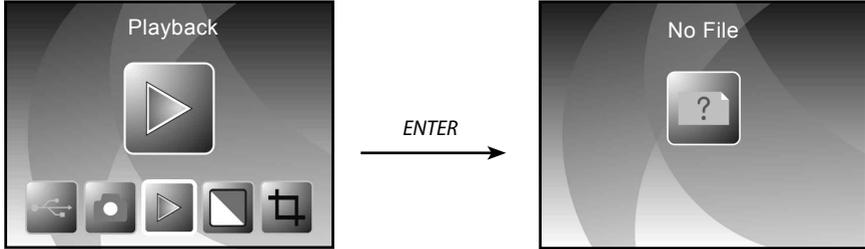
6.9.7 Playback: Home

Select Home icon with LEFT/RIGHT button, then press ENTER button or press ENTER button for 3 seconds during operation to back to main menu



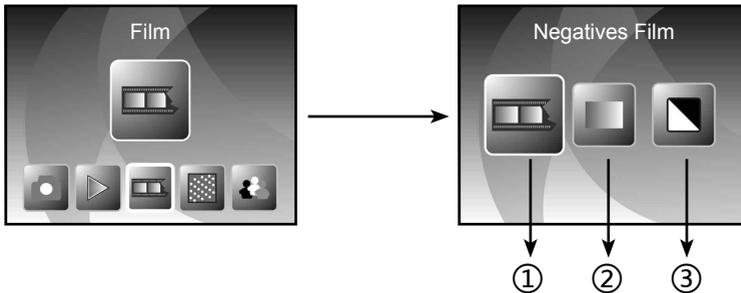
6.9.8 Playback: No File

If there is no picture when enter playback mode, a No picture symbol will show on screen



6.10 Film Type

When the Film scanner mode is selected, you can change the film type by entering Film Type menu or access the main menu at anytime by pressing the Home icon/MODE button. Press LEFT/RIGHT button for Film Type and press ENTER button to confirm.

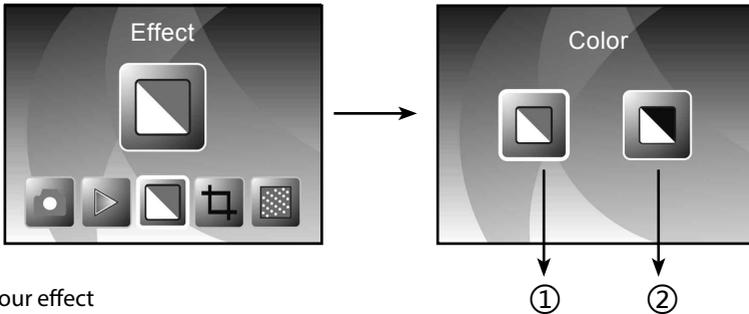


- ① Negatives Film: select Negatives film when the colour negative film is in the holder
- ② Slides: select Slides when the load slide is in the holder
- ③ B&W: select B&W when load B&W negative film in holder

You can press LEFT/RIGHT button to select the film type, then press the ENTER button to confirm

6.11 Effect

When the Photo scanner mode is selected, you can change colour effect by the Effect menu, or you access through the main menu by pressing the Home icon/MODE button anytime. Press LEFT/RIGHT button for Effect and press the ENTER button to confirm



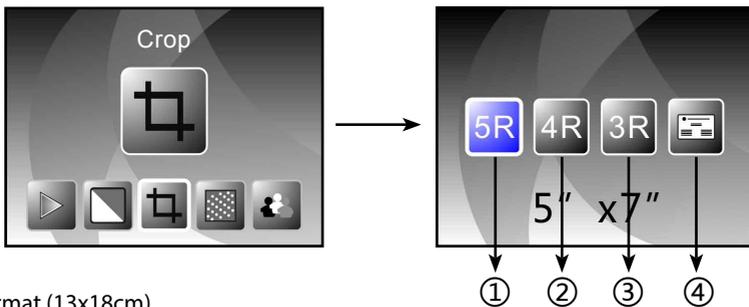
① Multicolour effect

② B&W effect

You can press the LEFT/RIGHT button to select colour effect, and then press ENTER button to confirm

6.12 Crop proportion

When the Photo scanner mode is selected, you can change the crop proportion with the Crop menu or access the main menu by the Home icon/MODE button during operation. Press LEFT/RIGHT button for Crop and press ENTER button to confirm



① 5"x7" format (13x18cm)

② 4"x6" format (10x15cm)

③ 3.5"x5" format (9x13cm)

④ Name card crop proportion

You can press LEFT/RIGHT button to select crop proportion, and then press ENTER button to confirm

6.13 Business Card Reader

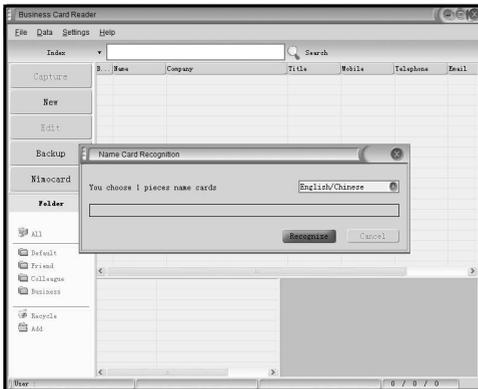
1. Insert the CD in the CD-ROM
2. A pop-up installation interface will appear after you put the CD in the CD-ROM
3. Install Business Card Reader.

NIMOCARD is a professional business card scanning and management software. Supported by the appropriate hardware, Nimocard can quickly capture a business card image, convert it into text using its advanced OCR engine, and then sort each line of text into an appropriate category. The user can also add or edit the card information manually, or import/export data from Microsoft Outlook, Outlook Express, etc. To prevent data loss caused by computer damage or a hardware crash, Nimocard can backup users' data into a separate file, or backup all the data onto the internet server.

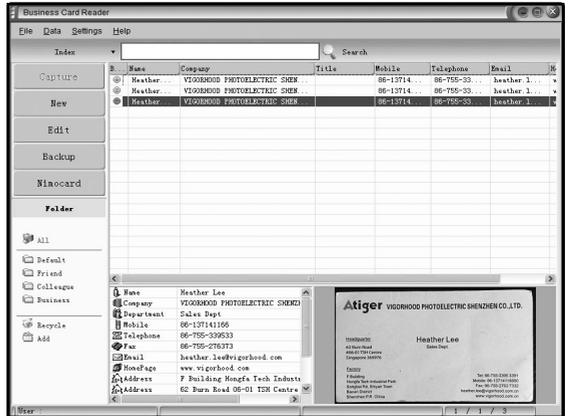


6.13.1 Name Card Recognition

Select "File" -> "open image", you can choose a language, and then it will recognise the name card automatically as below.

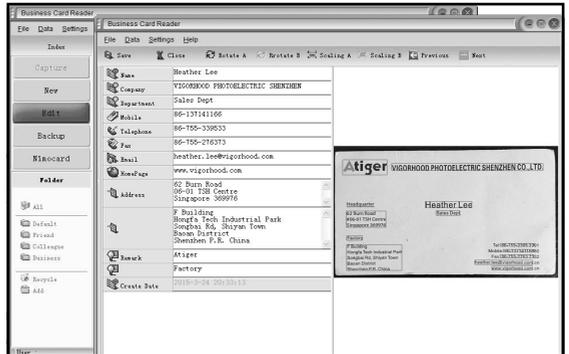


When scanning is completed, you can close the capture window or click on the main window at the back to bring up the preview window as show below.



6.13.2 Edit Window

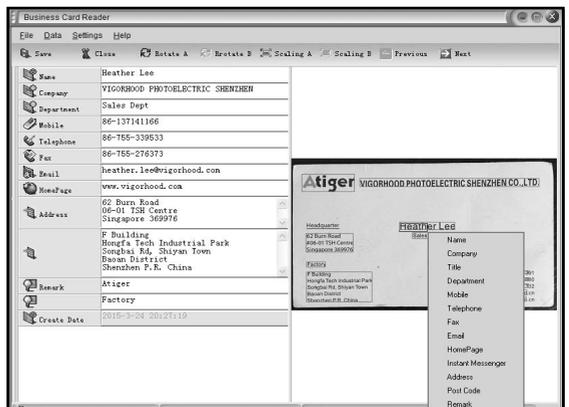
Selected one of the name card listed in the preview window and then click on the "Edit" button on the left side, the edit window will appear as the following:



6.13.3 Manually Editing

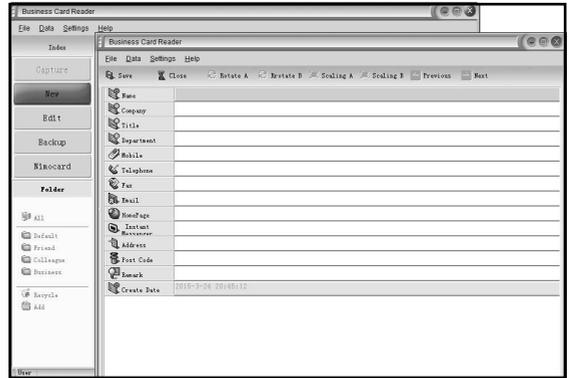
The user can manually change any content listed on the left side of the window, or simply right click on any of the selected box on the card image and then it will re-direct you to the right sorting field.

User can also rotate the image by click on the "Rotate" button on the top. When finished editing, click close to exit the editing window.



6.13.4 Add a business card

User can also create a new business card by clicking on the "New" button on the left side of the main window.



6.13.5 Software Features

1. Multi-language OS support
Nimocard uses unicode encoding standard and can be installed on various operating systems in different languages.
2. OCR for multiple languages
Advanced OCR engine support multiple languages, such as English, Simplified Chinese, or Traditional Chinese, etc.
3. Business card management
Nimocard allows users to quickly edit or sort their business card information. The user can also import data from or export data to other windows applications, such as Window Outlook, Outlook Express, or Excel, etc.
4. Quick Search
Nimocard allow users to search desired business card information using text search. Its quick search speed can find any card within a couple of seconds.
5. Business card printing
Nimocard provides a wide range of printing templates. Business card information can be easily printed on a variety of labels or envelopes.
6. Data Backup
Nimocard provides various ways of data backup. The user can easily backup their data locally into a file or backup their data on the internet server. With the internet backup service, the user can access their data anywhere, anytime, on any internet device with web browsing capability.

6.14 Resolution

Change the resolution by entering Resolution menu on the device or access the main menu by Home icon/MODE button. Press LEFT/RIGHT button for Resolution and press ENTER button to confirm



- ① 10M resolution
- ② 14M resolution
- ③ 22M resolution

You can press LEFT/RIGHT button to select resolution, and then press ENTER button to confirm

6.15 Language

Change language definition with the language menu or access the main menu by the Home icon/MODE button at anytime. Press LEFT/RIGHT button for language and press ENTER button to confirm.

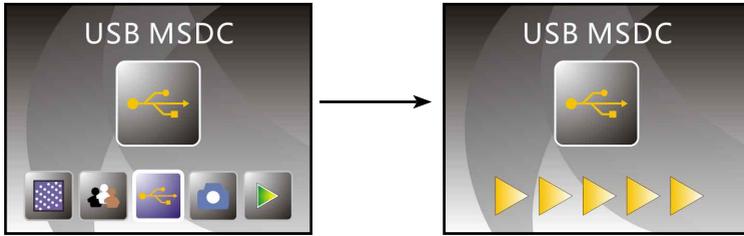


You can press LEFT/RIGHT button to select language, and then press ENTER button to confirm

6.16 USB mode

After you have finished your capture, please take out the memory card from the film & photo scanner to download the stored images from the memory card.

When the device is connected with USB cable to PC, you can also press MODE button to main menu, then press LEFT/RIGHT button to select USB mode, then press ENTER button to confirm, the film & photo scanner will become a mass storage device and you can review or edit images on a PC.



You can also press MODE button to back to main menu.

7. Trouble shooting

Question: There is an unwanted stripe appearing at the edge of the image.

Answer: If it is a slight stripe, move the slide holder gently to and fro in the device until the stripe is no longer visible in the preview window.

If the stripe is still present, please contact our retailer.

Question: The device cannot connect to the computer.

Answer: Please check if the cable has already been connected to the USB port of the computer, or connect the cable to another USB port. It is recommended that you connect it to the motherboard directly via the USB port at the rear of the machine, and not to the front panel.

Turn on the power button, enter USB mode, it acts as a mass storage device.

8. Conformity

The Manufacturer hereby declares that the CE marking was applied to the Rollei PDF-S 340 in accordance with the basic requirements and other relevant provisions of the following CE Directives:

2011/65/EC RoHs Directive
2004/108/EC Low Voltage Directive
1999/5/EG R&TTE Directive
2006/95/EEC LVD Directive
2009/125/EG EuP Directive
2002/96/EG WEEE Directive



The EC Declaration of Conformity can be requested from the address specified on the Warranty card.

9. Technical Specifications

Lens :	2G3P F/NO=3.98 f=5.22 Film Range:51.5mm F/NO=3.4 f=5.12 Photo Range: 170mm
Sensor :	14 mega pixels CMOS sensor
LCD:	2.4 inch LTPS LCD Display
External memory:	SD/MMC card
Exposure :	Auto
Color balance :	Auto
Scan high resolution :	22M interpolation resolution
Data conversion :	12 bits per color channel
Scan Method :	Single pass
Light source :	7 x 2 white LED/Backlight (3 white LED)
LED light lifetime for on & off:	10000 times
Power :	Powered from USB/5V adapter
Interface:	USB 2.0
Dimension:	220mm(L) x 208mm(W) x 147mm(H)
Weight:	845G
Language:	English, German, Spanish, Portuguese, Italian, Greek, French, Dutch, Polish, Czech, Hungarian, Swedish, Finnish, Danish, Norwegian