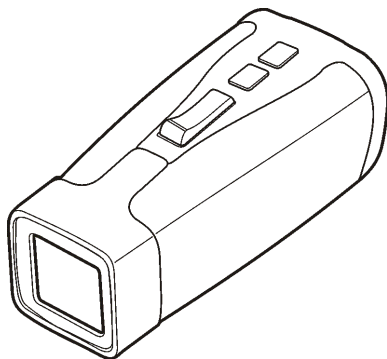


User guide for Nokia Kaleidoscope I pocket image viewer



9311542
Issue 1

DECLARATION OF CONFORMITY

We, NOKIA CORPORATION, declare under our sole responsibility that the product RX-11 is in conformity with the provisions of the following Council Directive: 1999/5/EC.

A copy of the Declaration of Conformity can be found at
http://www.nokia.com/phones/declaration_of_conformity/.



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FOR YOUR SAFETY

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.



QUALIFIED SERVICE

Only qualified personnel may install or repair phone equipment.



CONNECTING TO OTHER DEVICES

When connecting to any other device, read its user's guide for detailed safety instructions. Do not connect incompatible products.



BACKUP COPIES

Remember to make backup copies of all important data.



WATER-RESISTANCE

Nokia Kaleidoscope I is not water-resistant. Keep it dry.

Do not point the IR (infrared) beam at anyone's eye or allow it to interfere with other IR devices. This device is a Class 1 Laser product.

Use only compatible Multimedia Cards (MMC) with this device. Other memory cards, such as Secure Digital (SD) cards, do not fit in the MMC card slot and are not compatible with this device. Using an incompatible memory card may damage the memory card as well as device, and data stored on the incompatible card may be corrupted.

■ Chargers and batteries



Warning! Do not try to remove the battery. Contact qualified service personnel to change the battery when needed.

Check the model number of any charger before use with this device. Nokia Kaleidoscope I is intended for use with the following chargers: ACP-8 and ACP-12.



Warning! Use only batteries and chargers approved by the manufacturer for use with this particular enhancement. The use of any other types will invalidate any approval or warranty applying to the enhancement, and may be dangerous.

For availability of approved batteries and chargers, please check with your dealer.

When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

Introduction

Nokia Kaleidoscope I is a new kind of imaging product that allows you to view your favorite, compatible full-colour images in privacy or to share them with your friends or relatives. Its 'virtual display' allows you to view your images through a small lens on the top of the device, which makes them seem bigger.

With the compact and discreet Nokia Kaleidoscope I, you can conveniently carry your still images with you. Nokia Kaleidoscope I comes with three pre-saved images. You can add new images from a compatible phone or PC wirelessly using an infrared connection.

Nokia Kaleidoscope I can also be used with compatible Multimedia Card (MMC) memory cards that provide additional storage space. For example, you can view the images that you have taken and stored with your compatible digital camera.

Read this user guide carefully before using Nokia Kaleidoscope I. For information about the MMC card, refer to the documentation that came with it.

■ Technical specifications

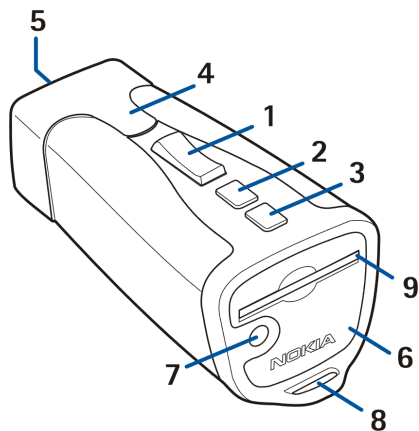
- Weight: approx. 75 g
- Dimensions: length 80 mm / width 37 mm / thickness 35 mm
- Display: resolution 266 * 225 pixels, supports up to 32768 colours
- Operating time: up to 50 minutes of active image viewing
- Operating temperature: -15°C to 55°C

- Compatible phones and PCs: refer to the leaflet in the Nokia Kaleidoscope I sales package
- Compatible memory cards: full-size (32 x 24 x 1.4 mm) Multimedia Cards (MMC)
- IrDA standard: IrOBEX1.3 (send and receive)
- Supported file system for the MMC card: FAT16, which allows the file name to be 8 characters, plus a file name extension of 3 characters, for example, my_image.jpg
- Supported image formats: most variations of the JPEG, GIF, and PNG formats
- Supported image size: VGA (640 * 480 pixels) with internal memory, maximum resolution 1600 * 1200 pixels with MMC card
- Storage space in the internal memory: up to 24 images

1. Overview

■ Parts

Nokia Kaleidoscope I has the following parts:



1. Rocker switch, indicated by **(1)** in this user guide.
2. Infrared button, indicated by **(2)**.
3. Power on/off button, indicated by **(3)**.

4. Indicator light
5. Viewing lens
6. Infrared (IR) port
7. Charger connector
8. Carrying strap holder
9. MMC card slot

Three ways to use the buttons

- **Press briefly:** press a button for less than one second
- **Press:** press a button for longer than one second
- **Press and hold:** press and hold down the button (the current function remains activated until you release the key)

■ Display indicators



This indicator is shown when Nokia Kaleidoscope I starts to connect to another device. After a couple of seconds, the indicator disappears and the display becomes gray. See also [Sending images from Nokia Kaleidoscope I](#) on page 16.

The animation rolls right when you are creating a connection from Nokia Kaleidoscope I and left when you are creating a connection to it.



The image was successfully sent, received or deleted.



The infrared connection has been lost or the connection could not be established.



Nokia Kaleidoscope I is starting up or an image is being opened for viewing.



Nokia Kaleidoscope I is ready to delete an image.



Shows the current status of the battery and the memory in use (internal memory or MMC card).



The battery is charging.



The image that you tried to transfer to Nokia Kaleidoscope I is too big and cannot be viewed.



The internal memory of Nokia Kaleidoscope I is full. The infrared connection is terminated.



The MMC card inserted into Nokia Kaleidoscope I is full.



The memory card inserted into Nokia Kaleidoscope I is not a compatible MMC card or is not otherwise readable.



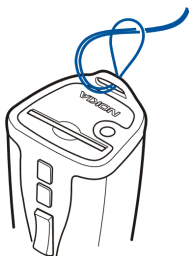
The image is not supported by Nokia Kaleidoscope I. The image file may be corrupted or in an incompatible file format. The infrared connection is terminated.



A system error occurred. Switch Nokia Kaleidoscope I off and on.

■ Attaching a carrying strap

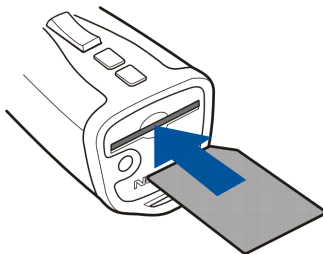
Thread the strap as shown in the picture and then tighten it.



■ Inserting a compatible MMC card

Insert the MMC card into the card slot of Nokia Kaleidoscope I so that the card's connector area is facing downwards.


To remove the memory card, press it until it ejects from the slot and then pull it out.




2. Using Nokia Kaleidoscope I

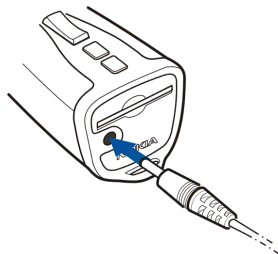
■ Charging the battery

1. Connect the charger to the socket at the bottom of Nokia Kaleidoscope I.
2. Connect the charger to an AC wall socket.

The animated  indicator is shown for 5 seconds after which the display is turned off. While charging, the yellow indicator light is constantly shown. When charging Nokia Kaleidoscope I for the first time, charge it until the battery is full. Nokia Kaleidoscope I cannot be used when the battery is being charged.

When the battery has been recharged fully, the  indicator is shown for 5 seconds and the yellow indicator light turns off.

Note that if you have not used Nokia Kaleidoscope I for a long time, you have to charge the device for at least 20 minutes before using it.



■ Switching the power on and off

Press **(3)** to switch Nokia Kaleidoscope I on or off.

Nokia Kaleidoscope I will be automatically switched off if it is not used for one minute.

When you switch on the power, the last displayed image is shown.

■ Viewing images

You can view images that are saved either in the internal memory of Nokia Kaleidoscope I or on a compatible MMC card inserted into the device.

If an MMC card is inserted, you can only view images saved on the card.

If no MMC card is inserted, you can only view the images saved in the device's internal memory.

Scrolling through images in viewing mode

- To scroll through the images, press either end of **(1)**. The hourglass indicator is shown while an image is opened.
- To set Nokia Kaleidoscope I to show the images in a sequence, press and hold either end of **(1)**.

Selecting an image from the list

1. When an image is shown or the display is gray, press the middle part of **(1)**. The list of images saved in the internal memory or the MMC card is shown.
2. Press either end of **(1)** to scroll to the desired image and press the middle part of **(1)** to view it.

If you press and hold either end of **(1)** while viewing the image list, the next or previous page of the list is shown, if the list contains more than 11 images.


If there are several folders on the MMC card, you can move between them as follows: press either end of **(1)** to scroll to the desired folder and press the middle part of **(1)** to open it. To return to the previous folder, scroll to the blue arrow at the start of the list and press the middle part of **(1)**.


■ Sending images from Nokia Kaleidoscope I

When the power is switched on, you can send the image that is currently shown on the display of Nokia Kaleidoscope I.

1. Point the infrared ports of Nokia Kaleidoscope I and the compatible receiving device at each other and make sure that there are no obstructions between the devices.
2. Press **(2)** to activate the infrared port of Nokia Kaleidoscope I and to send the image.

While the connection is being established, the green indicator light blinks. Once the connection is established, the green indicator light is constantly shown.

The display is turned off while the image is sent. After the image has been sent, the animated  indicator is shown on the display.

If there is an error in the connection, the  indicator is shown on the display and the red indicator light blinks three times. Press **(1)**.

■ Receiving images with Nokia Kaleidoscope I

Nokia Kaleidoscope I can receive compatible images when it is switched on.

If no MMC card is inserted, the received images will be saved in the device's internal memory. Note that Nokia Kaleidoscope I may resize and crop the received images to save and show them. Copyright protections may prevent some images from being transferred.


If an MMC card is inserted, the received images will be saved as such in the IMAGES folder on the card. If this folder does not exist, Nokia Kaleidoscope I will create it automatically.


1. Point the infrared ports of Nokia Kaleidoscope I and the compatible sending device at each other and make sure that there are no obstructions between the devices.
2. Check that the list of image files is **not** shown.
3. Press **(2)** briefly to activate the infrared port of Nokia Kaleidoscope I and to receive the image.

While the connection is being established, the green indicator light blinks.

4. The user of the other device can now start sending the image. For information on how to send an image from the other device, refer to the user guide of that device.

Once the connection is established, the green indicator light is constantly shown.


The display is turned off while the image is received. After the image has been received, the animated  indicator is shown on the display.

If there is an error in the connection, the  indicator is shown on the display and the red indicator light blinks three times. Press **(1)**.

If you receive a portrait image, it is automatically rotated 90 degrees. You can view the portrait image in the correct position by rotating the device.

■ Deleting images from Nokia Kaleidoscope I

When the power is switched on, scroll to the image you want to delete.

To begin deleting the image, press **(1)** and **(2)** simultaneously. The indicator  shows that you are about to delete an image.

To delete the image, simultaneously press **(1)** and **(2)** again within three seconds. Otherwise, the image will not be deleted. The image disappears in about three seconds.

Remember to back up the images saved in the device's internal memory by, for example, sending them to a compatible device for storage. Back up the images on your MMC card by copying them, for example, to a compatible PC.

■ Checking the memory and battery status

Press **(3)** briefly to view how much space is available in the active memory (internal memory or MMC card) and how much charge is left in the battery. The status is shown for 5 seconds.

3. Battery information

■ Charging and discharging

Nokia Kaleidoscope I is powered by a rechargeable battery.

Note that a new battery's full performance is achieved only after two or three complete charge and discharge cycles!

The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time is noticeably shorter than normal, it is time to buy a new battery.

Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. Unplug the charger when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime. If left unused a fully charged battery will discharge itself over time.

Temperature extremes can affect the ability of your battery to charge.

Use the battery only for its intended purpose.

Never use any charger or battery which is damaged.

Leaving Nokia Kaleidoscope I in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). Nokia Kaleidoscope I with a hot or cold battery may temporarily not work, even when the battery is fully charged. Batteries' performance is particularly limited in temperatures well below freezing.

Do not dispose of Nokia Kaleidoscope I in a fire!

If you need to remove or change the battery for some reason, contact the qualified service personnel to do that for you. Do not attempt to do it yourself. For environmentally sound discarding of the device, contact your local Nokia service point or check local regulations.

Care and maintenance

Your Nokia Kaleidoscope I is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfil any warranty obligations and to enjoy this product for many years.

- Keep all enhancements out of the reach of small children.
- Keep Nokia Kaleidoscope I dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store Nokia Kaleidoscope I in dusty, dirty areas. Its moving parts can be damaged.
- Do not store Nokia Kaleidoscope I in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store Nokia Kaleidoscope I in cold areas. When it warms up (to its normal temperature), moisture can form inside, which may damage electronic circuit boards.
- Do not attempt to open Nokia Kaleidoscope I. Non-expert handling may damage it.
- Do not drop, knock or shake Nokia Kaleidoscope I. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean Nokia Kaleidoscope I.
- Do not paint Nokia Kaleidoscope I. Paint can clog the moving parts and prevent proper operation.

If Nokia Kaleidoscope I is not working properly, take it to your nearest qualified service facility. The personnel there will assist you and, if necessary, arrange for service.