Mode switch

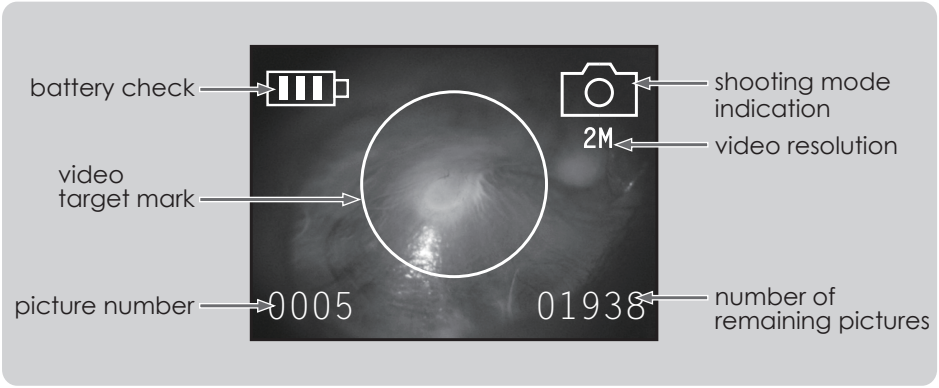
The appliance is in the Shooting Mode when switched on.

- Press ***Key A*** (⏻/M) to switch to Playback Mode.
- Press ***Key F*** (☼/⌕) to switch to Digital Zoom / Brightness Mode.
- After adjustments are finished, press ***Key A*** to go back to Shooting Mode.

Function modes are displayed in the upper right corner on the monitor.

Shooting Mode

To take pictures, hold the Otoscope firmly, and press Key B (📷 / ▶) .



- The Otoscope comes with a 1GB Micro SD card. If pictures are taken in the shooting mode without the picture card, the image data taken during those shots will not be stored.

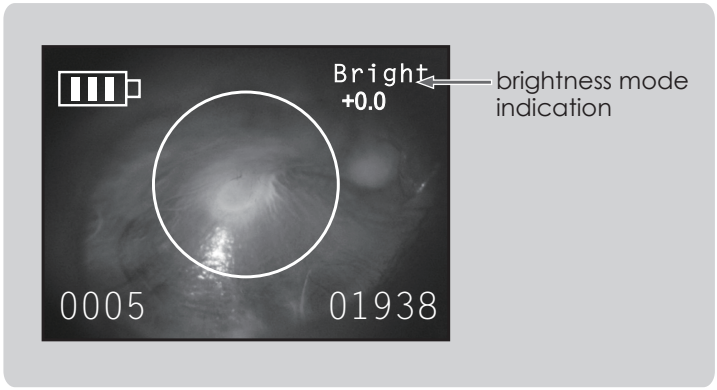
Playback Mode

Press Key D (forward+) or Key E (back-) to view (in loops) the pictures taken.

- To erase an unwanted picture, display the picture you do not want to keep. Hold down Key B for 3 seconds to display the menu. Press down Key A if you are sure you want to erase.

Brightness Mode

Press Key D(+) or Key E(-) to adjust brightness. (-2 ~ +2)

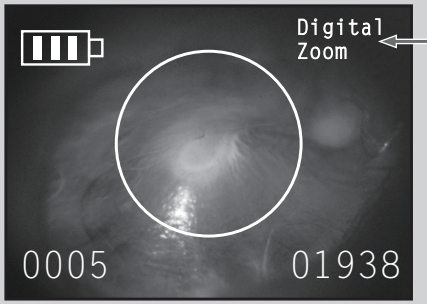


Digital Zoom Mode

Press Key D (+) /E (-) to change the zoom ratio, in the range from 0.00 ~ 2.00. (At power-on, the zoom ratio is set to 0.00.)

Press ***Key D*** to ***zoom in*** on the observed image.

Press ***Key E*** to ***zoom out*** and obtain a broader view.



digital zoom mode indication

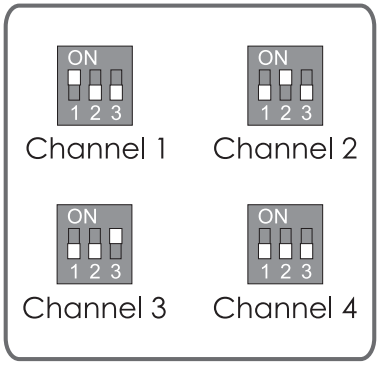
RF Channel settings

The Otoscope has 4 transmitting channels.When you are using multiple devices within a closed area, you can set each device to different transmitting channels to prevent interference with each other.

If you need to change the RF channel, unscrew and open the battery cover to adjust switch. (see p.14)

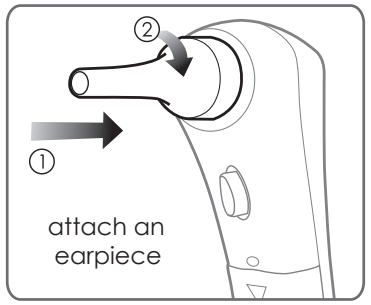
Channel 1 : switch 1 on (others off)
Channel 2 : switch 2 on (others off)
Channel 3 : switch 3 on (others off)
Channel 4 : switch 1~3 off

*To change the channel on the RF receiver, push the **S1** button located at the front.

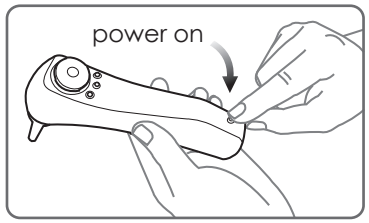


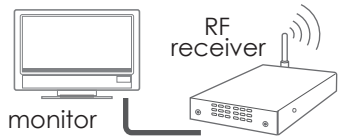
When refering to the diagram above, please take notice that the RF switch inside the battery compartment is located upside-down.

1 **Take out the Otoscope and select a speculum according to the desired distance of observation.**

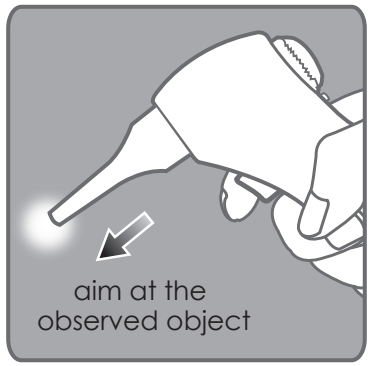


2 **Press and hold Key A (⏻/M) to switch power on.**
Set up the RF receiver and the monitor/PC.
(see p.15 for instructions)

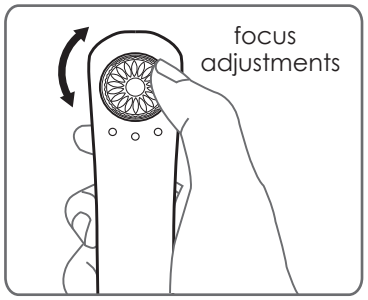




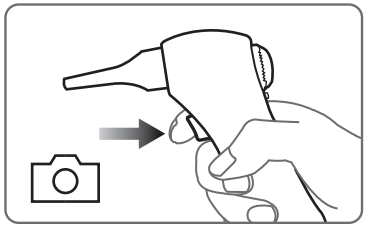
3 **Aim the view opening of the speculum at the observed object, and view the image on the monitor.**



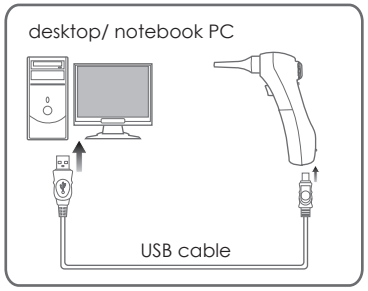
4 **Rotate Knob C and adjust the focus until the image becomes clear for survey or observation.**
(To adjust zoom or brightness, see p.17~18.)



5 **Press down Key B (📷/▶) with your forefinger to take a picture of the image.**
(see p.16 Shooting Mode)



6 **Shut power off and connect the Otoscope to a PC. Retrieve the pictures onto the PC.**



- It is recommended that when the number of remaining pictures is less than 30, move the data in the Micro SD card onto a PC.

⚠ Do not remove the Micro SD card from the appliance! Always move the data through the USB terminal of the Otoscope.

Storage

The Otoscope contains precision electronic parts. Avoid using or leaving it for long periods of time in the following places as this could result in failure or malfunction.

- Places of high temperature or high humidity or where the temperature and humidity fluctuate greatly, such as in direct sunlight, in a car with windows shut, or next to air conditioning equipment or a humidifier
- Places where there is a lot of sand, dust or dirt
- Near fire
- Near water
- Places that are subject to impact or considerable vibration

If the Otoscope is left unused for a long period of time, please recharge it once every 3 months.

⚠ Caution

1. **Keep the appliances out of the reach of children.**
2. **Do not attempt to disassemble or modify the appliances.**Such actions could lead to electric shock or injury.
3. **All appliances should not be used where it may come in contact with water**,and should not be connected or disconnected with wet hands.
4. **Avoid dropping or hitting the appliances or subjecting them to severe vibration or impact**. Malfunctions due to improper usage, heavy impact, or other natural causes are not included in the warranty.
5. **Do not remove the Micro SD card from the Otoscope**. It is a component of the appliance.
6. **Use the charger at the specified voltage.**The use at any other voltage could result in fire, explosion, emission of smoke, overheating, electric shock or burns.

Specifications

OT-2000 Features

Product Type	: Wireless Handheld Otoscope (for displaying and picture taking)
Output	: NTSC/PAL
Transmitting power	: <10dBm
Transmission frequency	: 2.4Ghz
Transmission distance	: 10M (without blocks)
Memory	: 1G micro SD memory storage
Dimensions	: L 170mm x W 40mm x H 70mm
Weight	: 200g (batteries not included)
3 sizes of specula	: 4mm (inner diameter) x 55mm (length) 4mm (inner diameter) x 30mm (length) 7mm (inner diameter) x 55mm (length)

Optics

Magnification	: 20 ~ 200x (The range varies according to the size of the monitor used)
Focus range	: 30mm ~ 10m (from object to lens)
Image	: 2M pixels 1/2" CMOS sensor
Full high resolution	: 1600 x 1200 pixels
Focus type	: manual focus
Brightness	: 5 levels
LED	: 5 white LEDs

Camera Power Source

- 1 Li rechargeable battery (3.6V / 800mAh)
- One sub-compact charger 110/220V, 50HZ
- Computer USB port powered

Wireless Receiver Specifications

Receiving Sensitivity	: 85 dBm
Output signal format	: NTSC/PAL
Signal/Noise ratio	: 45 dBm
Antenna resistance	: 50 Ohm SMA
Communication channels	: 4
Power supply	: DC 6V / 1000mA
Dimensions	: L 190mm x W 122mm x H 30mm
Weight	: 450g
System requirements	: monitor,PC, or TV with composite video imput

FCC Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.
--Increase the separation between the equipment and receiver.
--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
--Consult the dealer or an experienced radio/TV technician for help.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF exposure warning:
The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.
This equipment also should be installed and operated with minimum distance 20cm between the radiator & your body.