

KaWe 20-816-000

KaWe COMBILIGHT C10/EUROLIGHT E10 Ophthalmoscope/Otoscope Basic Kit Instruction Manual

Model: 20-816-000

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe and effective use of your KaWe COMBILIGHT C10 Otoscope and EUROLIGHT E10 Ophthalmoscope Basic Kit. Please read this manual thoroughly before initial use and retain it for future reference. This kit is designed for professional medical diagnostic examinations of the ear and eye.



Figure 1: KaWe COMBILIGHT C10/EUROLIGHT E10 Basic Kit, neatly organized within its protective hard case.

2. PRODUCT COMPONENTS

The KaWe COMBILIGHT C10/EUROLIGHT E10 Basic Kit includes the following components:

- **EUROLIGHT E10 Ophthalmoscope Head:** Features a correction lens wheel with stages +/- 20 diopters and 6 diaphragms for a large examination field of the fundus of the eyes.
- **COMBILIGHT C10 Otoscope Head:** Equipped with standard illumination (2.5V vacuum bulb), 3-times magnification, and a rotating lens.
- **Interchangeable Handle:** Designed for use with both ophthalmoscope and otoscope heads. Requires 2 C batteries (not included).
- **Reusable Ear Specula:** Three sizes included (2.5mm, 3.5mm, and 4.0mm).
- **Chromium-plated Nose Speculum:** For nasal examinations.
- **Spare 2.5V Bulb:** For the otoscope head.
- **Laryngeal Mirrors:** Two sizes included (sizes 3 and 4).
- **Hard Case:** For protective storage and transport of the kit.



Figure 2: All components of the KaWe Basic Kit laid out, showcasing the individual diagnostic tools and accessories.

3. SETUP

3.1 Battery Installation

1. Unscrew the bottom cap of the interchangeable handle.
2. Insert two C-sized batteries (not included) into the handle, ensuring correct polarity (positive end first).
3. Securely screw the bottom cap back onto the handle.

3.2 Attaching Head Attachments

1. Align the sides of the desired head attachment (ophthalmoscope or otoscope) with the handle.
2. Press the head attachment down onto the handle.
3. Turn the head attachment 90 degrees clockwise until it locks securely into place.

3.3 Detaching Head Attachments

1. Hold the handle firmly.
2. Press the head attachment down towards the handle.
3. Turn the head attachment 90 degrees counter-clockwise to release it.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Gently twist the switch at the neck of the attached head 90 degrees clockwise to turn the device ON. To turn OFF, twist 90 degrees counter-clockwise.

4.2 Using the COMBILIGHT C10 Otoscope

1. Attach the COMBILIGHT C10 Otoscope head to the handle.
2. Select an appropriate size reusable ear speculum (2.5mm, 3.5mm, or 4.0mm) and attach it to the otoscope head.
3. Turn on the otoscope.
4. Gently insert the speculum into the ear canal to examine the tympanic membrane and outer ear canal. The 3-times magnification and rotating lens aid in detailed viewing.

4.3 Using the EUROLIGHT E10 Ophthalmoscope

1. Attach the EUROLIGHT E10 Ophthalmoscope head to the handle.
2. Turn on the ophthalmoscope.
3. Adjust the correction lens wheel (+/- 20 diopters) and select one of the 6 diaphragms to achieve the desired focus and field of view for fundus examination.
4. Position the ophthalmoscope appropriately to examine the patient's eye.

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Video 1: Demonstration of a similar otoscope and ophthalmoscope set, highlighting key features and usage for ear and eye examinations. This video is provided by a seller of diagnostic equipment.

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Video 2: An instructional video showcasing the components and basic operation of a diagnostic examination kit, including otoscope and ophthalmoscope functions. This video is provided by a seller of medical equipment.

5. MAINTENANCE

5.1 Cleaning

- Always clean the specula and laryngeal mirrors thoroughly after each use with an appropriate disinfectant.
- Wipe the instrument heads and handle with a soft cloth dampened with a mild disinfectant. Do not immerse the electronic components in liquid.

5.2 Bulb Replacement

The otoscope head uses a 2.5V vacuum bulb. A spare bulb is included in your kit.

1. Ensure the device is turned off and detached from the handle.
2. Carefully pull the old bulb straight out from its socket.
3. Insert the new spare bulb by aligning its pins with the socket and gently pushing it into place.

6. TROUBLESHOOTING

- **No Light:** Check if batteries are correctly inserted and charged. Replace batteries if necessary. Ensure the head attachment is securely fastened and turned ON.
- **Dim Light:** Replace batteries. The bulb may also be nearing the end of its lifespan; replace if needed.

- **Difficulty Attaching/Detaching Head:** Ensure you are pressing down firmly before twisting. Do not force the attachment; it should turn smoothly.

7. SPECIFICATIONS

- **Model Number:** 20-816-000
- **Brand:** KaWe
- **Ophthalmoscope:** EUROLIGHT E10, +/- 20 diopters, 6 diaphragms
- **Otoscope:** COMBILIGHT C10, 3x magnification, 2.5V vacuum bulb
- **Power Source:** 2 C-sized batteries (not included)
- **Product Dimensions:** 8.3 x 4.1 x 2 inches
- **Item Weight:** 1.13 Pounds
- **Country of Origin:** Germany

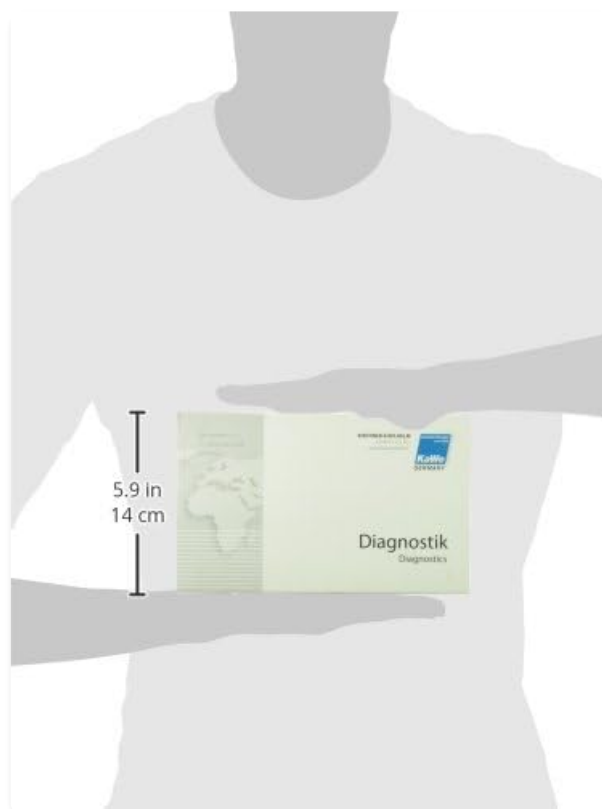


Figure 3: Product packaging illustrating the compact size of the kit.

8. IMPORTANT SAFETY INFORMATION




This device is intended for use by qualified medical professionals. Misuse may lead to inaccurate diagnoses or patient harm. Always follow standard medical protocols and hygiene practices when using diagnostic instruments. Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition. This product is a medical device and should be used in accordance with its intended purpose.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact KaWe customer service directly. Refer to the product packaging or the official KaWe website for contact details specific to your region.

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Related Documents - 20-816-000

	<p>KaWe Otolights User's Manual: EUROLIGHT, COMBILIGHT, PICCOLIGHT</p> <p>Comprehensive user's manual for KaWe otoscopes, detailing operation, maintenance, and safety for EUROLIGHT, COMBILIGHT, and PICCOLIGHT models. Essential guide for medical professionals by KIRCHNER & WILHELM GmbH + Co. KG.</p>
	<p>KaWe Otolight: Gebrauchsanweisung für EUROLIGHT, COMBILIGHT, PICCOLIGHT</p> <p>Umfassende Gebrauchsanweisung für KaWe Otolight (EUROLIGHT, COMBILIGHT, PICCOLIGHT). Enthält Informationen zu Montage, Bedienung, Wartung, Sicherheit und hygienischer Aufbereitung.</p>
	<p>KaWe EUROLIGHT® VET C30 / VET C30 OP Veterinary Otolight User Manual and Operating Instructions</p> <p>Comprehensive user manual for the KaWe EUROLIGHT® VET C30 and VET C30 OP veterinary otoscopes. This guide provides detailed information on operation, maintenance, safety precautions, battery care, technical specifications, and troubleshooting for veterinary medical professionals.</p>
	<p>KaWe Otolight User Manual: EUROLIGHT, COMBILIGHT, PICCOLIGHT</p> <p>Comprehensive user manual for KaWe otoscopes, including models EUROLIGHT, COMBILIGHT, and PICCOLIGHT. Provides detailed instructions on assembly, operation, hygiene, maintenance, safety guidelines, and troubleshooting for medical professionals.</p>



[KaWe Otoscopes User Manual: EUROLIGHT, COMBILIGHT, PICCOLIGHT](#)

User manual for KaWe otoscopes, covering EUROLIGHT, COMBILIGHT, and PICCOLIGHT models. Includes instructions on usage, maintenance, and safety for medical professionals.



[KaWe MedCenter 5000 Wandstation: Montage, Bedienung und Wartung](#)

Umfassende Anleitung für die KaWe MedCenter 5000 Wandstation. Erfahren Sie alles über Installation, sichere Handhabung und Wartung dieses medizinischen Diagnosegeräte-Ladegeräts von KaWe.