

admetec



Flamingo

Instructions for Use

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Introduction

Thank you for choosing **admetec**

Intended Use:

Flamingo is an integrated HD camera and light system designed for use in dental and medical practices. It attaches to magnification loupes to assist practitioners in documenting and illuminating procedures. This innovative device enables real-time display and recording of detailed images, enhancing both patient care and educational opportunities for medical professionals.

About Flamingo

- Lightweight (just 19 grams!)

Designed to be a lightweight ergonomic extension of your loupes.

- Integrated light and camera

Proper lighting is critical both for focus and quality image capture.

- Live broadcast via Wi-Fi to the computer

Real time display of what you are doing, while you do it (delay of 0.05 seconds).

- Full HD video

Ultra-smooth, high-quality 1080p | 30fps, vivid, “living color” video recording.

- Unrestricted movement

With Admetec’s Main Control Unit (MCU) on your belt or in your pocket. For unparalleled convenience and user-friendliness.

- Admetec proprietary software

Enables video editing including taking quality screen captures for real-time collaboration and documentation.

Product overview



Flamingo Insert Set

Please note that the image is for illustration.

Your Flamingo comes with:

1. WiFi USB dongle (for Windows)
2. Camera & light module
3. Camera module cable to MCU
4. Charging stand
5. MCU with 2 batteries
6. AC/DC adaptor
7. Wireless Pedal
8. Power cable to the AC/DC adaptor
9. Pedal Type-C charging cable
10. Screwdriver
11. Frame-temple adaptor for cable
12. Clothing cable-clip
13. Wi-Fi USB dongle (for Mac iOS)

*The WiFi dongle will be supplied according to user's order (Windows or iOS)

Safety Precautions

Do not use any third-party AC/DC adaptor with Flamingo battery charger stand, even if they look identical. Third-party chargers may not be compatible with the battery charger and could damage it.

Prevent the MCU from overheating. Avoid direct sunlight or heated surfaces.

Before using the device, verify that it is assembled and connected as described on page 5.

When used with non-Admetec loupes, use the appropriate adaptor to ensure maximum focus and stability when using Flamingo camera.

Do not use in proximity to explosive or highly flammable materials such as: alcohol, methanol, acetone, etc.

Please note that any serious incident should be reported directly to the manufacturer with relevant documentation describing the event.

Troubleshooting

| Issue | Troubleshooting |
|---|--|
| The light does not work steadily | Check cable. Contact your local dealer for instructions |
| The video does not record or show video image | Contact local dealer or flamingo@admetec.com |
| Low brightness | Use the brightness adjustment buttons [Page 6] |
| Battery overheats regularly | Contact local dealer |
| Buttons are stuck | Contact local dealer |
| Flamingo application issues email: | flamingo@admetec.com |

Assembling MCU and Camera Module

To insert the battery into the MCU socket.

1. Remove protective foil from the battery contacts. [Fig. 01]
2. Insert the battery into the MCU socket. [Fig. 02]

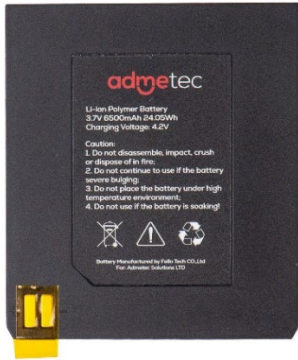


Fig. 01 – Flamingo battery



Fig. 02 – MCU socket

Connect the MCU and camera module with the provided cable.

1. Plug the USB Type C side into the MCU port [Fig. 03]
2. Plug the Micro USB cable type into the camera module port. [Fig. 04]



Fig. 03 – Type C cable insert into MCU

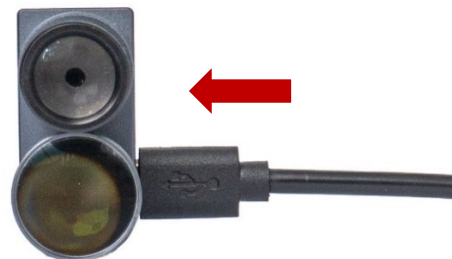


Fig. 04 – Camera module with Micro USB

Caution



Do not use any third-party AC/DC adaptor with Flamingo battery charger stand. Third-party chargers damage the battery charger stand.

Caution









Prevent MCU from overheating.


To check battery status, press the “Check” button (see Page 06).

Flamingo MCU Indicators

Each Flamingo kit includes one MCU and two batteries which serve as a power source and control panel for the camera and light module.



| Item/Button | Description | Action |
|---|----------------------------|---|
|  | Camera Power ON/OFF button | To turn ON, press the 'ON/OFF' button. To turn OFF, press & hold for 3 sec' the 'ON/OFF' button. |
|  | REC Button | Press the 'REC' button to enter recording mode and recording. |
|  | LED Indicators | Blinking blue = MCU is loading Steady blue = Device is ready Green led = Linked to PC/Laptop Blinking red = Recording mode ready Constant red = Recording live mode |
|  | Light Power ON/OFF button | To turn ON or OFF, press the 'ON/OFF' button. |
|  | Light Intensity controls | Press the '+' or '-' to increase or decrease the light intensity. |
|  | Battery status | To check battery level press & hold the 'Check' button. |

| | | |
|---|---------------------------------|---|
|  | Light Power ON/OFF cable switch | To turn ON or OFF, press the 'ON/OFF' button. |
|---|---------------------------------|---|

Battery charging

1. Connect the AC/DC adaptor output to the Flamingo charging stand. Make sure the power cable is connected to the AC/DC adaptor and plugged to the wall power outlet.



2. Insert the battery to the charging stand socket as shown below.



Average charging time for an empty battery is 3.0 hours.

Charging stand - Light Indicators

| | |
|-----------------------|--------------------------|
| Blue color indicator | Power connected |
| Red color indicator | Battery is charging |
| Green color indicator | Battery is fully charged |

Downloading the software

To set up your Flamingo you are required to download Admetec's proprietary software on your device/PC and follow the instructions in the user manual on the website.

Download the Flamingo software and the User manual from the following link:

<https://www.admetec.com/flamingo>

Minimum PC Requirements:

- OS: Windows 10 or above
- CPU: Intel Core i5 or better or AMD Ryzen 5 or better
- GPU: An integrated graphics card
- RAM: Minimum of 8GB
- Storage: Minimum of 250GB SSD
- USB: one free USB 2.0/3.0 port

Technical Specifications

Battery charger

| | |
|----------------|----------------|
| Input voltage | 100 – 240 V AC |
| Output voltage | 5 V DC |

Main Control Unit parameters

| | |
|---|---------|
| Internal battery voltage: | 3,7 V |
| Battery capacity: | 6.5 Ah |
| Full battery charge time | 2.5 hrs |
| Average working time (with camera & light together) | > 4 hrs |
| Average working time (with camera or light only) | > 8 hrs |
| Light digital dimmer | 32-step |
| Height: | 101 mm |
| Width: | 80 mm |
| Depth: (without belt clip) | 28 mm |
| Weight: (with battery) | 229 gr |

Camera & light source

| | |
|----------------------------------|------------------|
| Camera lens | 25mm IR 1/2" 5MP |
| Illuminance | 70,000 lx |
| Color temperature | 5750 °K |
| Light diameter | 17 mm |
| Weight (without cable) | 19 gr |
| Spotlight size diameter at 350mm | 90mm |
| Resolution | 1080p FHD |
| Sensor size | 1/2.7 inch |

Flamingo pedal

| | |
|--------------|--------------------------------|
| Voltage | 3,7 V |
| Size | W: 52 mm / D: 98 mm / H: 25 mm |
| Weight | 63 gr |
| BT | Bluetooth Model 4.2/5 |
| Charger Port | USB Type C |

Warranty

Admetec's warranty obligations for the Flamingo are limited to the terms set forth below:

Admetec warrants the Flamingo product against defects in materials and workmanship for a period of two (2) years for the Flamingo set and one (1) year for all other supplied parts from the date of original purchase ("Warranty Period").








If a defect arises and a valid claim is received by Admetec within the Warranty Period, Admetec will (1) repair the product at no charge, using new or refurbished replacement parts, (2) exchange the product with a product that is new, or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product.

If a defect arises and a valid claim is received by Admetec after the first ninety (90) days of the Warranty Period, a shipping and handling charge will apply to any repair or exchange of the product undertaken by Admetec.

When a product or part thereof is exchanged, any replacement item becomes your property, and the replaced item becomes Admetec's property.

Exclusions and Limitations

This warranty does not apply to: (a) to damage caused by accident, abuse, misuse, misapplication, or non-Admetec products; (b) to damage caused by service performed by anyone other than Admetec; (c) to a product or a part that has been modified without the written permission of Admetec; or (d) if any Admetec warranty label has been removed or defaced.

| | |
|---|---|
|  | <p>CE Mark indicating that the device complies with Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices</p> |
|  | <p>Admetec Solutions Ltd. Yokhanan HaSandlar St. 18 Haifa, 3296218, Israel</p> |
|  | <p>Obelis Group Bd Général Wahis, 53, Brussels, B-1030 Belgium</p> |
|  | <p>Medical Device</p> |
|  | <p>Caution! Consult accompanying documents</p> |
|  | <p>Batch number</p> |
|  | <p>Catalog number</p> |



If you have purchased Admetec-branded electrical or electronic products in the EU and are intending to discard these products at the end of their useful life, please do not dispose of them with your other household or municipal waste. Admetec has labeled its branded electronic products with the WEEE Symbol to alert our customers that products bearing this label should not be disposed of in a landfill or with municipal or household waste in the EU. Instead, contact the local e-waste recycling center.

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Do you need customer service?

Please contact your local distributor.

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