PREMIUM BOX

User Manual

Note: The Premium Box is exclusively available as an integrated component of the PRIMA premium microscopes. It is not sold separately.

TABLE OF CONTENTS

1. INTRODUCTION

The Premium Box enhances Labomed microscopes while preserving their core specifications, whether they are configured as floor, wall or ceiling models. For detailed information on these microscopes, please refer to their user and service manuals at www.labomedeurope.com. The additional benefits of the Premium Box are outlined on page 4. It is integrated into the following Labomed models.

PRIMA pro
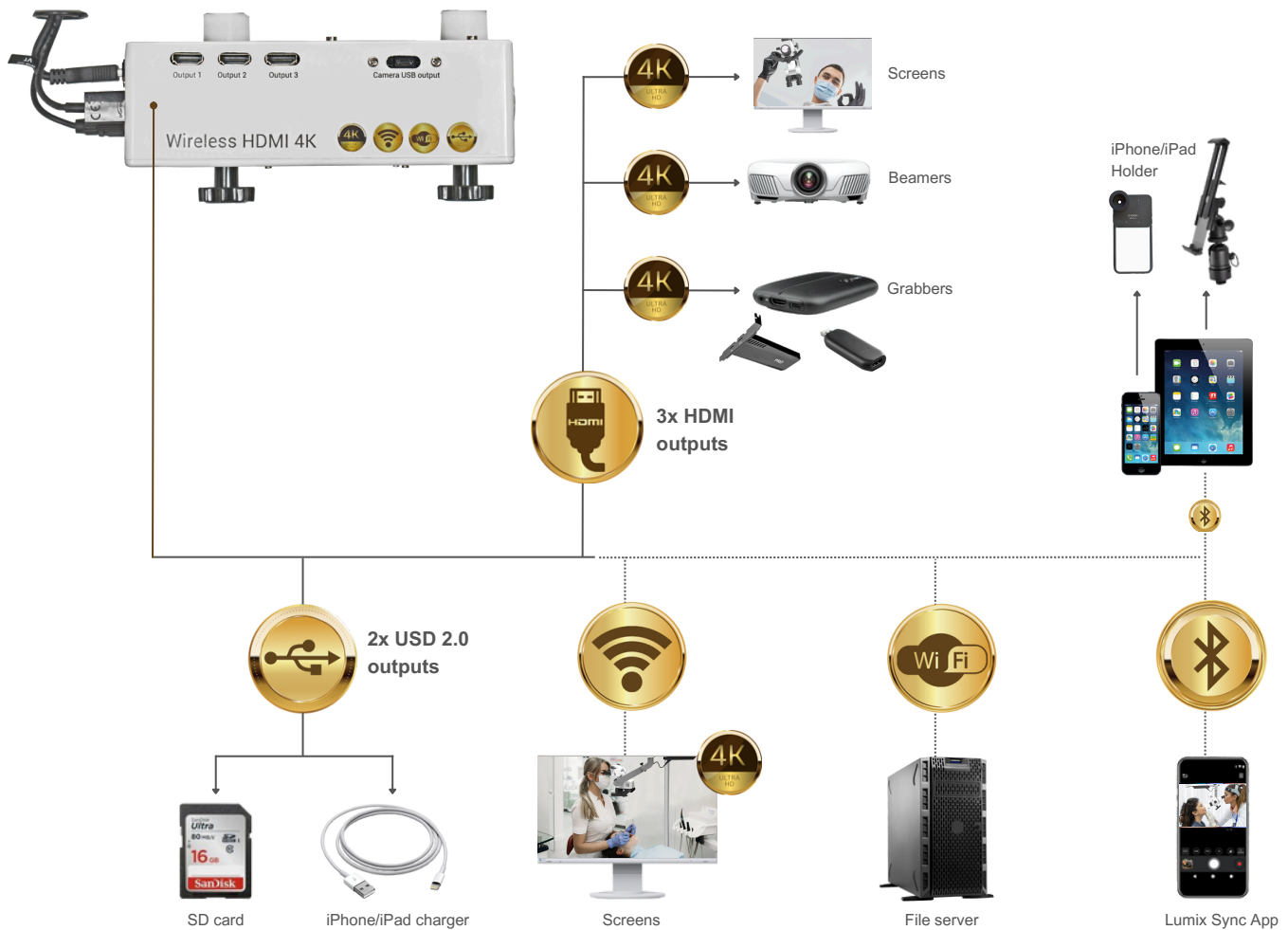

PRIMA lite

PRIMA swift

PRIMA DNT

Magna

2. INTENDED USE

The Premium Box improves connectivity by allowing seamless integration with various devices, including smartphones and screens. It supports wireless connections to screens and file servers. The device includes HDMI and USB outputs and enables the transmission of 4K images and videos, providing clearer and more detailed visuals for use by dentists and medical professionals.

6137000-800   Premium Box   Version 1
Dated: FEB/2024

3. INSTALLATION

The Premium Box is supplied exclusively with the microscope and is not available for separate purchase. Installation of the Premium Box must be performed by the Labomed professional team and cannot be carried out by the customer.

If a customer wishes to upgrade their existing Labomed microscope to a Premium model, the microscope must be sent to Labomed for integration of the Premium Box. Alternatively, a Labomed technician can visit the customer's location to perform the installation.

Please note that deinstallation or any related service performed by third parties is not permitted. Only Labomed Europe technicians are authorized to carry out such services.

4. DIMENSIONS & WEIGHT

19.1 mm x 11.1 mm x 6.1 mm (HxWxD)

Weight is 0.52 kg

Premium Box

5. OVERVIEW

1. HDMI output 1
2. HDMI output 2
3. HDMI output 3
4. Camera USB output

5. iPhone or iPad charger

6. HDMI input (connection with DBS/SBS)
7. Camera USB input
8. 5V/2A DC input

6. SPECIFICATIONS

6.1 HDMI INPUTS/OUTPUTS

- Source-to-splitter and splitter-to-display range: up to 15 m (49 ft.)
- Power adapter: 5 VDC / 1 A; 70 cm (2.3 ft.)
- Power consumption: 5 W
- One HDMI female (input)
- Three HDMI female (output)
- One 5 VDC power female (input)
- Input video signal: 0.5 – 1.0 V p-p
- Input DDC signal: 5 V p-p (TTL)
- Maximum single-link range: 10.2 Gbps and 4096x2160 at 24 Hz resolution
- Output video: HDMI 1.4, HDCP 1.4
- Supported Video Resolutions: DTV/HDTV: 480i/480p/576i/576p/720p/1080i/1080p/4K@30Hz
- Operating Environment
- Operation Temperature: 0 – 40°C (32 – 104°F)
- Storage Temperature: -20 – 60°C (-4 – 140°F)
- Humidity (noncondensing): 0 – 96%

6.2 iPHONE/iPAD CHARGER

- USB 2.0 Panel Jack Ø22 mm, female Type A
- Type: USB-01
- Model: USB Type A to USB Type A
- Connection A: USB 2.0 Type A
- Connection B: USB 2.0 Type A
- Connector Standard: USB 2.0
- Operating Temperature: -25℃ ~ +55℃ (NO-Freezing)
- Operating Humidity: 45~85%RH(NO Condensation)
- Panel Thickness: 1~10 mm
- Body Material: Aluminium anodized (Silver color)
- Transmission Rate: ≥30MB/s

6.3 COMPATIBILITY

Compatible with All HDMI Devices:

- HDMI Output Devices (for TX): Laptop, PC, camera, DSLR, PS5, Blu-ray player, TV stick, TV box, DVD player, DVR, set-top boxes, cable/satellite boxes, tablet, CCTV and more.
- HDMI Input Devices (for RX): HDTV, projector, monitor or other display screens.

Mini/Micro HDMI adapter: converts the mini/micro HDMI interface from a laptop, camcorder, camera, or tablet to a standard HDMI Type A interface for connection to a TV, monitor or projector.

7. TROUBLESHOOTING

- Connection loss within 5 minutes: If the wireless HDMI kit loses connection within 5 minutes of use, first disable the power-saving mode on your device. Then, connect a USB-C cable to the transmitter and plug it into a 5V/1A USB charger.

- Audio Issues: If you experience audio problems, select "RX-BF3AE0BF" as the audio output on your laptop or PC.

- Incorrect Language Selection: to reset the language on the receiver, press and hold the receiver's button for approximately 10 seconds.

8. STANDARDS AND CERTIFICATIONS

- HDCP 1.4
- CTS 1.4b
- CE
- FCC
- RoHS2

9. DISPOSAL

Disposal of the instrument must comply with locally applicable laws and regulations.

Labomed Europe b.v.
Essebaan 50
2908 LK Capelle aan den IJssel
The Netherlands

Tel: +31 (0)10 4584222
E-mail: sales@labomedeurope.com
www.labomedeurope.com