

Metaflow, Ltd.	MF-V2-UM-00	Rev: 02
----------------	-------------	---------



Lumen V2 User Manual Document

	Name	Signature	Date
Maintained By	Ofer Vitner		25-Aug-2019
Checked By	Merav Mor		
Approved By	Daniel Tal		

Table Of Content

Table Of Content	1
Introduction	2
Charging the battery	2
Getting Started	3
General Functions	3
Lights Status	3
Spec related bullet points	4
Charger requirements	4
Temperature working range	4
IP ratings	4
Sign up procedure (Add the activation code here)	4
Pairing (Broadcasting)	4
Dynamic Firmware Update (DFU)	5
Regulations	5
FCC Regulations US	5
Safety	7
Health Warnings	7
Food Grade	7
Pacemakers	7
Other medical devices	7
RF signals	7
In The Box	8
Having problems	8

Draft	File: Lumen V2 User Manual Document	Page 1 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02

1. Introduction

Thank you for purchasing the Lumen device

Metaflow Ltd. Lumen device objective, along with its complementary application over android and iOS, is to help users to best fit their nutrition in order to reach improved metabolic flexibility, as well as to lose weight.

The manual will help you to get familiar with it.

2. Charging the battery

The device holds a 2Cell 500mAh Poly Ion battery that can be charged when docking the device onto the docking station. Light indicators help to identify battery status.

Using it for the 1st time?

Please connect the docking station using the USB-C cable provided to either a UL certified wall charger or a computer USB port.

Please dock the device onto the docking station. Slow dimming purple ring indicated charging is in process.

Remove from docking station once green ring indicator is identified. Battery is now fully charged.

Draft	File: Lumen V2 User Manual Document	Page 2 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02

3. Getting Started

3.1. General Functions

The lumen device has a single On/Off button, and illuminated light ring.

The device's SW can be upgraded remotely, pending on user acceptance. The App will guide the user with the process.

3.2. Lights Status

Table 1: Light Legend

Status	Constant or Blinking	Color code	Notes
White	Constant	Device is On	Short press: Device ON. (Shuts off automatically after 15secs)
Purple	Blinking	Charging	Slowly blinking
Red	Constant	Battery needs charging	
Green	Constant	Battery charged	Fully charged battery
Purple	Constant	Connected via BLE	Broadcasting established with a smartphone
Blue	Constant	DFU mode	Device is ready to have a SW update
Red	Constant	DFU in process	SW upgrade in Process

Draft	File: Lumen V2 User Manual Document	Page 3 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02

3.3. Spec related bullet points

3.3.1. Charger requirements

The charger (AC/DC adapter) is not supplied by Metaflow Ltd., yet the recommendation is a UL certified wall mount charger. Alternatively, use similar charger procured when purchasing a mobile phone/tablet.

AC/DC adapter:

Input requirements: 100 - 240 VAC, 50/60 Hz.

Output requirements: 5VDC, 1A.

3.3.2. Temperature working range

The device is designed to work in closed environments, +15 to +40 degC, in a non condensing environment.

3.3.3. IP ratings

The device meets IP20 rating, meaning will not operate when introduced to liquids, and will not permit objects bigger than 5mm to get into the device.

4. Sign up procedure (Add the activation code here)

On the package label you will find the ActCode number (6 digits), that you will be asked to enter in the sign up process. The application will guide you through it.

5. Pairing (Broadcasting)

The device will be connected to any mobile solution that installed the app, and will have the BT and location services turned on.

Once connected, constant purple ring light will appear on the device, and connectivity acknowledge will be indicated in the App.

Draft	File: Lumen V2 User Manual Document	Page 4 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02

When disconnected via the app, the ring color will turn white. If power button is pressed for 2 seconds, the device will turn off and connectivity will be lost. Light ring will be turned off as well.

6. Dynamic Firmware Update (DFU)

The device can have its internal SW (FW) upgraded per need.

Trigger to this process will be made via the app. Once approved by the user, device light ring will turn blue, and the user will be asked to place the device gently onto the docking station

Once FW upgrade will be in process, color will alter to red

Once successfully finished, a success indicator will be observed in the app, in parallel to the device full shut down.

7. Regulations

7.1. FCC Regulations US

Metaflow Ltd. MF-V2-01

Manufactured by:

Metaflow Ltd. 6 David Elazar St., Tel-Aviv, 6107402, ISRAEL

This equipment has been tested and found to comply with the limits for a Class B digital device, with part 15 of the FCC rules, and its operation is subject to the following 2 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.

The limits are designed to provide reasonable protection against harmful interference in a residential installation.

Draft	File: Lumen V2 User Manual Document	Page 5 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02

Metaflow, Ltd.

The 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.

Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the device.

Draft	File: Lumen V2 User Manual Document	Page 6 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02

8. Safety

8.1. Health Warnings

8.1.1. Food Grade

The device was designed to ensure you will not inhale hazardous materials. All materials that are directly in contact with the user's mouth are by design 'food grade'.

8.1.2. Pacemakers

The health Industry Manufacturers Association recommends that a minimum separation of about six inches (or 16 cm) to be maintained between a mobile phone or wireless device and a pacemaker to avoid potential interference with the pacemaker. Be sure not to interfere with the functionality of personal medical devices.

8.1.3. Other medical devices

If you use any other personal medical device, consult the manufacturer of your device and/ or your physician to determine if it is adequately shielded from interference caused by external RF energy. Your physician may be able to assist you in obtaining this information.

8.1.4. RF signals

Certain electronic equipment may not be shielded against the RF signals emanating from your wireless equipment.

Draft	File: Lumen V2 User Manual Document	Page 7 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02

9. In The Box

Table 2: Deliverables content

#	P/N	Item	Qty
1	MFL-01-1000-00	Lumen V2 Device	1
2	MFL-01-2000-00	Lumen V2 Docking Station	1
3	MFL-01-2100-00	USB-C charging cable	1
4	MFL-01-3100-00	Booklet (in an envelope)	1
5	MFL-01-3200-00	Soft shell sleeve	1
6	MFL-01-3000-00	Lumen V2 package	1

10. Having problems?

Feel free to approach support@lumen.me for any issues

Draft	File: Lumen V2 User Manual Document	Page 8 Of 9
Metaflow Ltd. 6 David Elazar St., Tel-Aviv, IL	MF-02-UM-01	Rev: 02