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CliniScape

MCD 104



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Cliniscape Docking Station

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1 I Important

2 1.1 Copyright

3 This manual is copyrighted with all rights reserved. Under the copyrights law, this manual may not be copied, in
4 whole or part, without written consent of Philips. Under the law, copying includes translating into another
5 language or format. The device described in this manual, has been certified/registered by the safety
6 agencies/regulatory authorities as model number CMCA10-DS.


7
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9 trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
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13 product names used in this document are for identification purposes only and may be trademarks or registered
14 trademarks of their respective companies.

15 1.2 Safety and precautions

16 17 1.2.1 Intro



Product safety information , setup precautions and incorrect use of your CliniScope and its
accessory are signalled by the word **WARNING** and by the Warning  symbol

18 19 20 1.2.2 Read and follow these instructions when connecting and using your CliniScope Docking Station

WARNING: Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.

- The CliniScope is a Class 2 device, powered by an AC adapter and it has been designed for continuous operation.
- To protect your CliniScope Docking station from possible damage, do not put excessive pressure on it.
- When moving your CliniScope Docking Station, hold it tightly by placing your hand under it , in the area of the connectivity .
- Unplug the CliniScope Docking Station and release the battery pack from the charging slot if you are not going to use it for an extensive period of time.
- Unplug the CliniScope Docking Station from its AC adapter if you need to clean it, while keep the battery pack in place.
- Consult a service technician if the CliniScope Docking Station does not operate normally after following the instructions in this manual.
- The casing should be opened only by qualified service personnel.
- Keep the CliniScope Docking Station out of direct sunlight and away from stoves or any other concentrated heat source.
- The CliniScope Docking Station is not suitable for use in presence of flammable mixtures, either in vapors or liquids.
- Remove any object that could fall into the fan vents or prevent proper cooling of the CliniScope Docking Station electronics.
- Do not block the ventilation holes on the back part of the cabinet.
- The degree of protection against harmful ingress of water and particles is IP21, but, it is suggested to use the CliniScope Docking Station in a dry and clean environment whenever possible.
- Due to the possible interference caused by this product to an aircraft's navigation



system and its communications network, using this product on board an airplane is against the law in most countries

- Even if this product has been certified according to medical standards requirements, the use of radio devices in specific clinical environment may interfere or cause the malfunction of some medical equipment. Before using this device in a medical environment contact and ask permission to the local hospital authority
- When recharging the CliniScape batteries, make sure the power plug and outlet are easily accessible.
- Detach the power cable or DC power cord only when the unit is off or when there is a charged battery inserted.
- Do not use the CliniScape seated in the Docking Station or the Docking Station itself without battery packs inserted as objects or dirt may enter in both the slots.

1

2 1.2.3 Installation Locations

3 Your CliniScape Docking Station is designed for either being placed on a desk or a table, or mounted to a wall,
4 on an arm or a pedestal, on a cart or on other equipments.

5 In this situations, please follow, the below recommendations:
6

- Do not place the Docking Station in an unsteady location. If it is placed in an unsteady location, such as on an unstable stand or incline, it may drop or tip over and cause injury
- Do not store or use the Docking Station in locations exposed to heat, direct sunlight or extreme cold.
- Avoid moving the Docking Station between locations with large temperature differences. Choose a site that falls within the following temperature and humidity ranges.
- Temperature: 0- 35°C equivalent to 32-95°F
- Humidity: 20-80% RH
- Do not subject the Docking station to severe vibrations, do not drop it or subject it to other mechanical shocks or high impact conditions.
- Take care not to mishandle this product by either knocking or dropping it during operation or transportation



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1.2.4 Setup precautions

See the installation instructions before connecting the Docking Station to its AC adapter.



- When Placing the CliniScape in its docking station, place it on a level surface so it does not fall over and damage the unit, docking station, or other components.
- Do not use the CliniScape AC adapter for other equipment. This can generate heat or fire.
- Do not use other AC adapters with the CliniScape Docking Station rather than the one supplied with the Cliniscape.

1.3 FCC Notice

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of 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, while 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.

1.3.1 Modification

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

1.3.2 Cables

Connections to this device must be made with shielded signals cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

1.4 Approved for medical applications

The CliniScape Docking Station meets the medical safety requirements EN/IEC 60601-1, UL 60601-1, CAN/CSA-C22.2 No. 601.1-M90 and electromagnetic requirements EN/IEC 60601-1-2, EN301 489-1/-3/-17, EN 300 328, EN 301 893, EN 300 330-1, CFR 47 part 15

1.5 How to read this manual

If you are viewing this PDF document on the screen, you can use the following methods to find information:



- by using the various Navigation panels that various pdf readers are offering under the View menu
- using the "find" tool
- navigating with internal links, when offered.
-

1.5.1 Symbols

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold or italic type. These blocks contain notes, cautions, tips or warnings.







They are used as indicated in the below table:

	<p>Warning symbol</p> <p>The symbol of exclamation mark is intended to alert the user of the presence of important operating and maintenance (servicing) Instructions in this manual that can be a risk for this equipment.</p>
--	---

	<p>Eco symbol This symbol indicates a feature, a suggestion, an opportunity for using your CliniScope with an environmentally sound behaviour.</p>
	<p>Note symbol This icon indicates important information and tips that help you make better use of your CliniScope and this manual</p>

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Some warnings may appear in alternate formats and may not be accompanied by an icon.
In such cases, the specific presentation of the warning is mandated by the relevant regulatory authority.

	<p>Product complies with 2002 / 96 / EC</p>
	<p>Notice of proper disposal</p>
	<p>Federal communication commission (USA)</p>
	<p>Conformité Européne</p>
	<p>Compliance with Underwriters Laboratories</p>
	<p>Compliance with Demko IEC/EN 60601</p>

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Note: This user's manual is available in electronic format only, installed on the CliniScape and accessible by double pen tip on the relevant icon on the desktop.
We advice not to print the manual and consult it or search for specific items using the electronics tools provided by the various SW .

I

2 Your CliniScape Docking station

2.1 Introduction

The CliniScape Docking Station is the best way to extend the connectivity and the functionality of your MCA. With its sleek design, its ultra small and space saving foot print, its ergonomic viewing angle, you can use your CliniScape also for an ordinary desk activity, with keyboard and mouse connected to its USB doors and making use of the Ethernet connectivity. An additional battery charger is present in the docking station and, while working, you can charge two battery packs simultaneously.

2.2 What is in the box

Before unpacking the CliniScape Docking Station, prepare a suitable workspace. You need a stable and levelled surface near a grounded wall outlet in an area that is relatively free of glare from sunlight or other sources of bright light.

While unpacking the CliniScape, please inspect it and its other package contents and carefully check for shipping damages that could cause a potential fire or shock hazards.

Immediately report any shipping damage to the carrier or transportation company and contact customer service for assistance. The items in packages must be checked against collision damage; refer to qualified personnel, if in doubt. Keep all packing material in case you need to ship, store or return it.

After unpacking the CliniScape, make sure the following items are included:

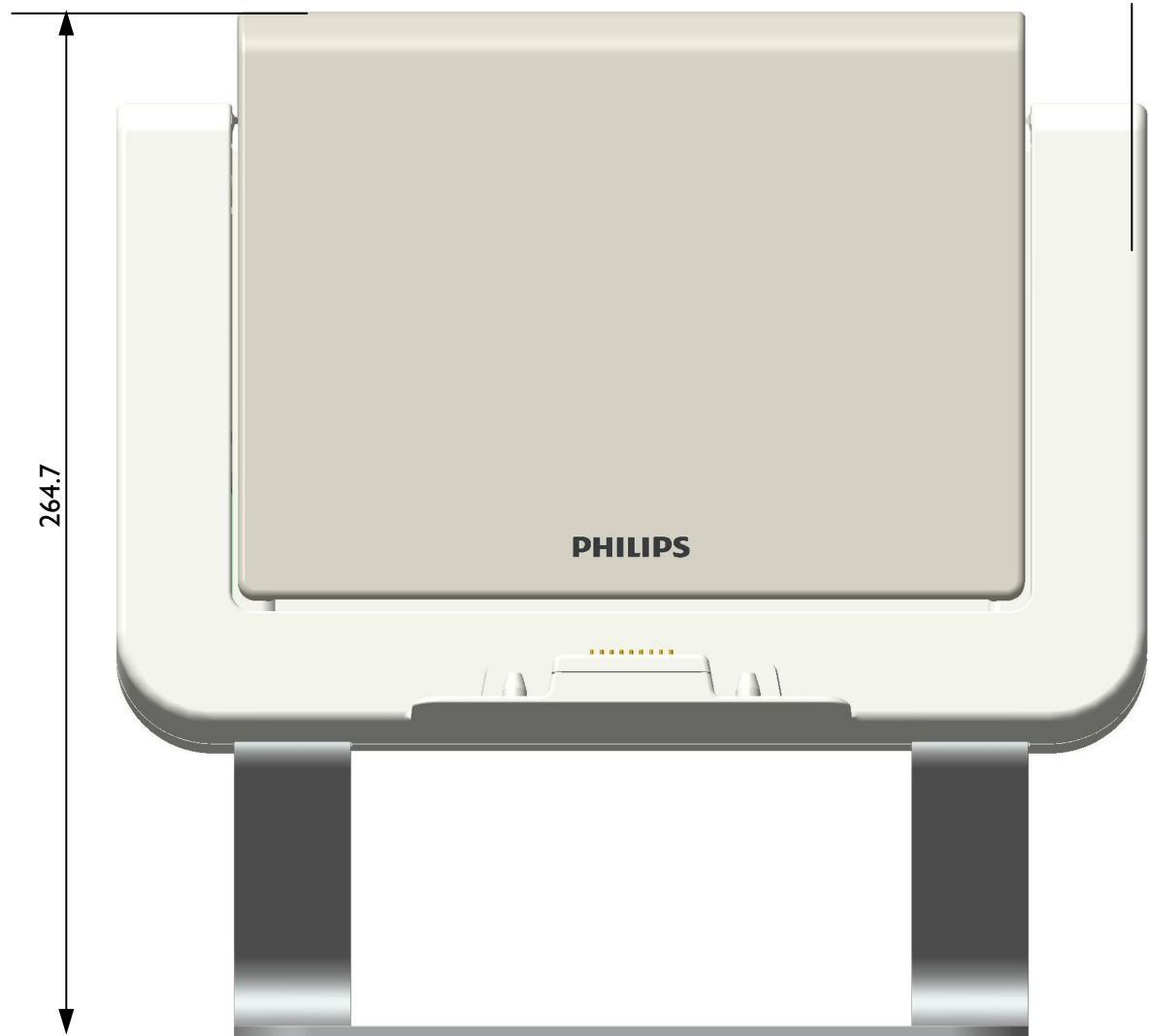
2.3 What you (may) also need

For accessing an Ethernet LAN network, you need a nearby access point and an Ethernet cable with RJ45 termination. For setting up a desktop workplace you may need also a USB keyboard and mouse.

1 2.4 Overview

2 2.4.1 MCA Dimensions (in mm)

3

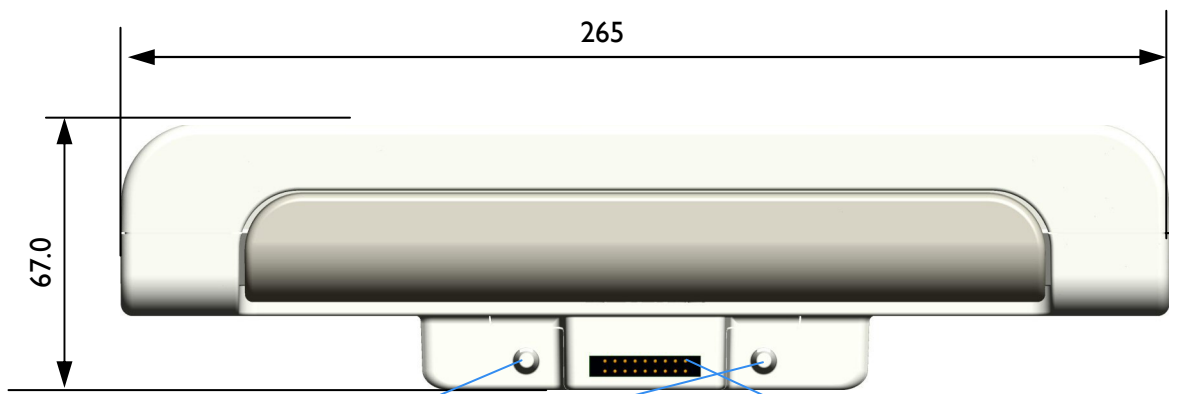


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Docking guides

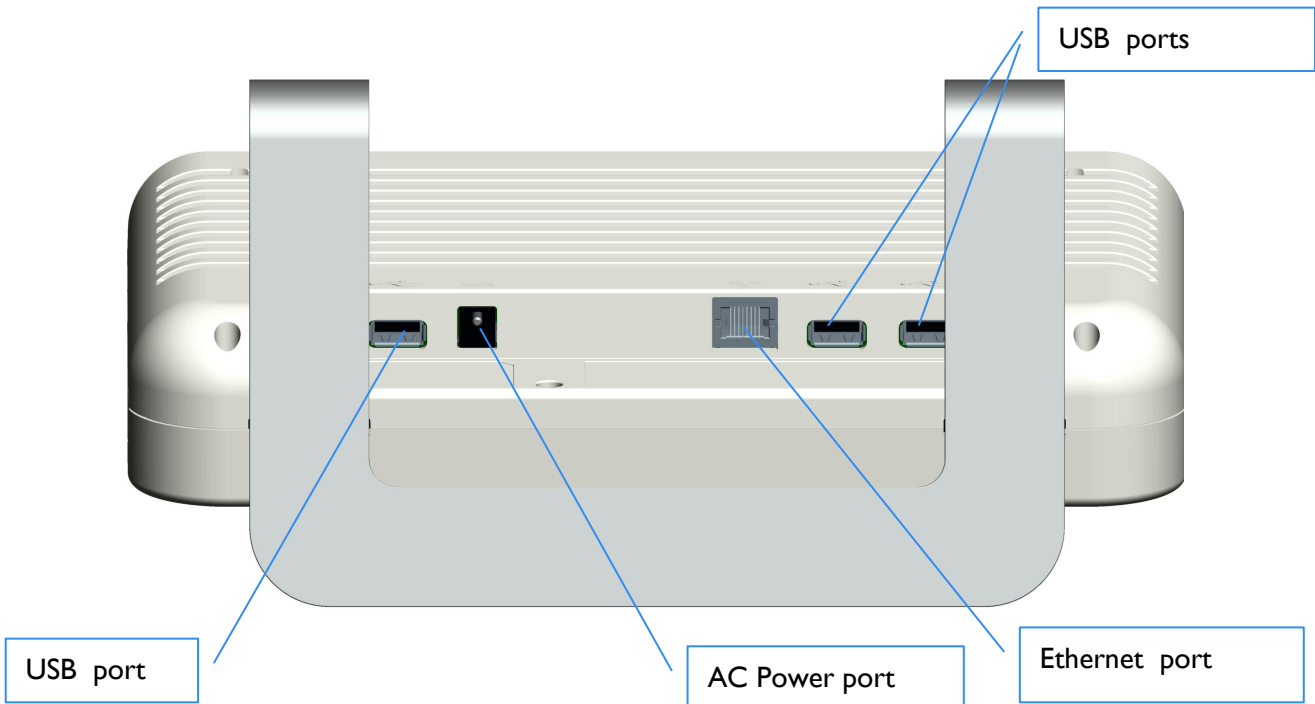
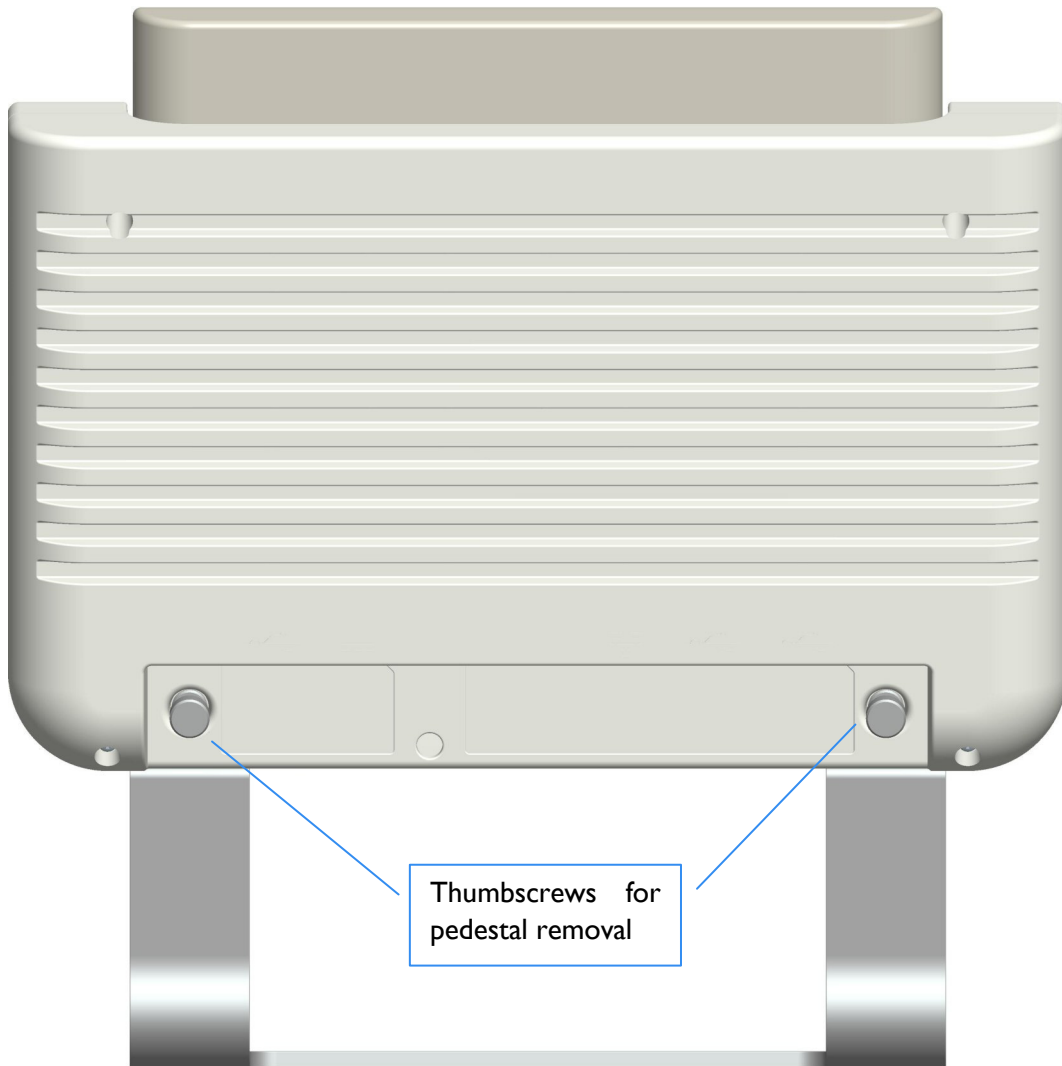
Docking connector to Cliniscape

12 2.4.2 Weight

13 Your CliniScape Docking Station has a total weight of 1.46 Kg without any battery inserted

14

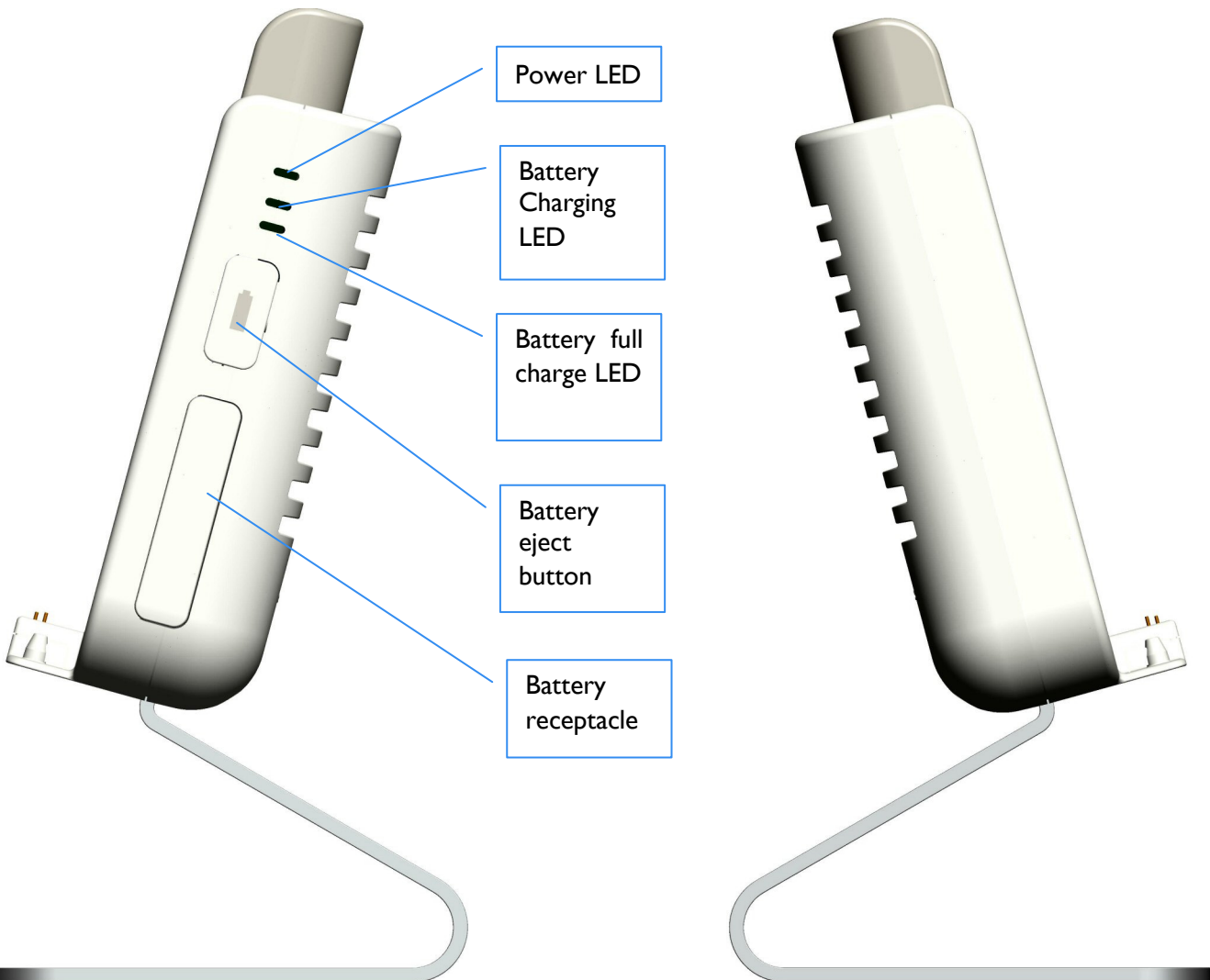
- 1 2.4.3 Buttons, indicators and connectivity
- 2 The below figures show the key features of your CliniScape Docking Station
- 3






Docking guides

Docking connector to Cliniscope



1
 2 Your CliniScape Docking station has no power button. It is supplied as soon as the AC adapter is connected.
 3 Nonetheless there are no signals or supplies n the front docking connector until when the docking station sense
 4 the presence of a CliniScape docked onto it.
 5 Also the internal fan meant for cooling the docking and the back of the MCA is started only when an active
 6 MCA is docked. In case the MCA is removed on it goes into power management, the fan is shut down after one
 7 minute.
 8
 9 There is only one button on the right side of the docking, meant for ejecting the battery pack and three LED
 10 indicators.
 11 Refer to the following tables for a short description of their main functions.

12 **Table 1 – LED description**

		Color	Indication
1		Green	Power indicator: the AC adapter is connected
2		Amber	A battery pack is inserted and charging
3		Green	The inserted battery pack charge is complete

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3 Getting started

3.1 Prepare

3.1.1 Insert the battery

The CliniScape docking station has no AC adapter in the box , because it can be supplied with the same adapter provided with the CliniScape. The DC plug must be connected on the AC port located on the bottom of the unit



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For additional information about the CliniScape AC adapter, please consult the related paragraphs of the CliniScape MCA user manual.

1 **3.1.2 Docking and undocking the Cliniscape**

2
3 The CliniScape Docking Station has no latches or release button for undocking the MCA. This is meant for
4 allowing nurses , doctors and other clinical operators to grab the unit with one hand only.



5
6 The CliniScape should be docked by first putting the back of the MCA in contact with the front of the docking
7 station, sliding the MCA down till when the guides are inserted in the holes of the MCA and its handle is fully
8 seated in the shaped insert of the docking station



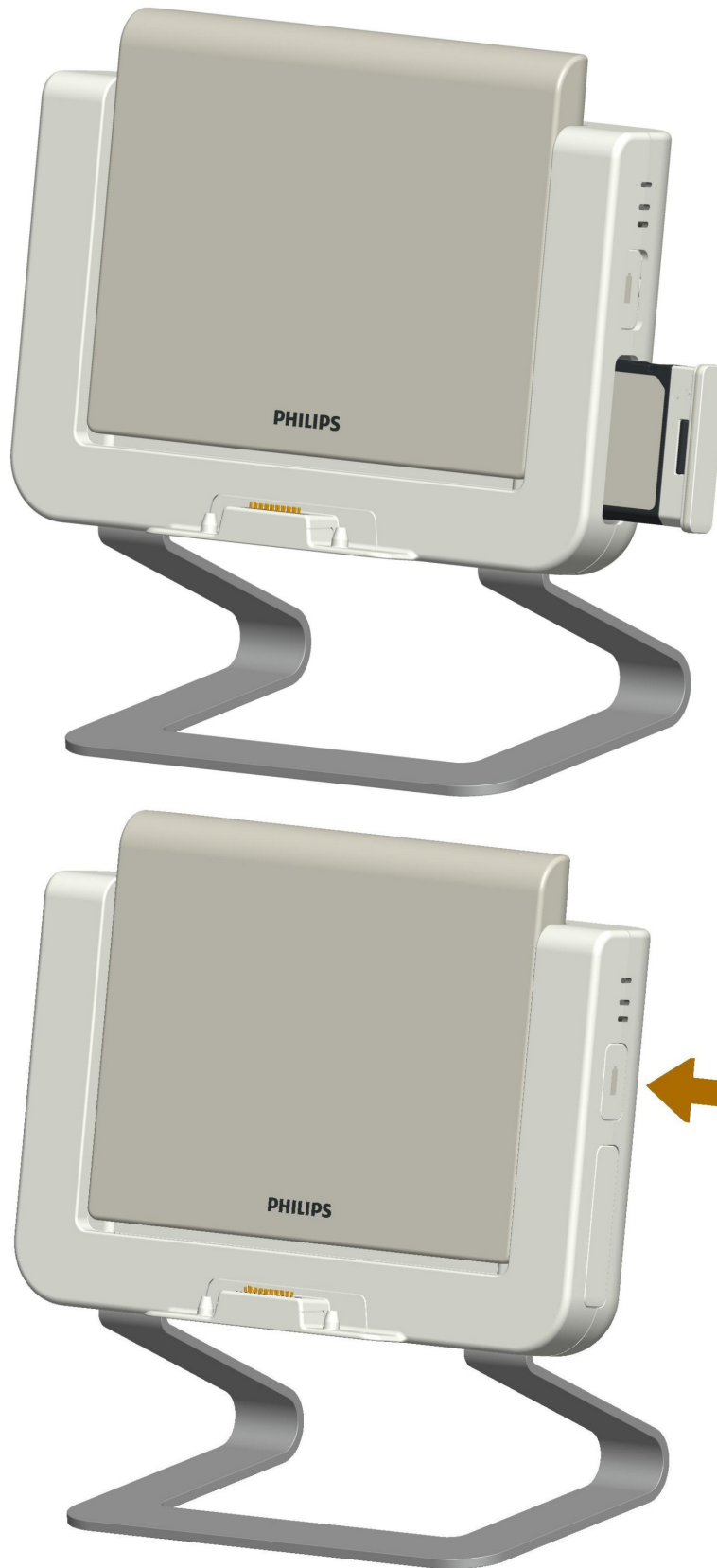
As the mating of the MCA and docking station connectors needs to be very accurate, please, be sure that the MCA is fully seated in its prescribed position.

There are several indicators that this has happened:

- change of the screen brightness
- battery LED indicators that starts indicating that the MCA battery is charging
- USB connection “sound” and icon shown in the icon tray (if enabled)
- Local Area Network icon shown in the icon tray (if enabled)

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- 1 **3.1.3 Inserting and removing the battery**
- 2 The battery can be inserted by removing the protection cap and released by acting on the battery eject button ,
- 3 located on the right side of the docking station, right above the battery slot
- 4





Note: It is recommended to leave always a battery pack in its receptacle or to cover it with the battery cover provided with the docking station . This guarantees the charge of any spare pack and keep the battery tunnel closed, avoiding the possibility that dirt or dust can enter into the unit.



Note: Before removing your active MCA from the docking, please be sure that its battery pack is fully inserted and charged.



Warning: To avoid injury, keep the battery within the recommended temperature range when charging it. If the battery has been subjected to extreme temperatures, wait until it cools to room temperature before recharging it.

1

2 3.1.4 Charging the battery

3 When the CliniScape Docking Station is connected to AC power, any inserted battery will automatically charge
4 until it reaches a full charge. Typically an empty battery can be fully charged in less than two hours.

5



Note: In case of AC adapter connected to the docking station, a MCA , even when the unit is OFF , will indicate the presence of supply by at least one LED ON or blinking, even if the battery is missing or fully charged.



Note To maximize the performance and the life of your battery, it is worth to deplete the battery charge to less than 10% every two weeks.
To deplete the battery, use your CliniScape on battery power only until you hear a notification from the Operative system that the battery charge is less than 10%.

6

1

2 4 Maintaining your CliniScape Docking Station

3 4.1 Cleaning

4 For normal cleaning, use a soft cloth wetted or spayed with disinfectant

5 For heavy duty cleaning, also a small brush can be used for cleaning the ventilation slots and the groove of the
6 heat plate on the back.

7



WARNING: use of products on phenol base and fluids like ether, white spirit, turpentine, trichlorethylene and perchlorethylene and iodine, can cause damage to constituents of equipment (e.g. coated materials, plastics, etc.)

8

9 4.2 Disposal

10 4.2.1 General warning

11 Your product is designed and manufactured with high quality materials and components, which can be recycled
12 and reused. Please inform yourself about the local separate collection system for electrical and electronic
13 products, including those marked by the crossed-out wheel bin symbol.

14

15 4.2.2 For Countries in the European Union

16 This symbol indicates that this product (including the cables, plugs and accessory) must not be disposed of with
17 the other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it
18 over to a designated collection point for the cling of waste electrical and electronic equipment. The separate
19 collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources
20 and ensure that it is recycled in a manner that protects human health and the environment. For more
21 information about where you can drop off your waste equipment for recycling, please contact your local city
22 office, or your supplier's office.

23 4.2.3 For countries outside the European Union

24 Disposal of electrical products in countries outside the European Union should be done in line with local
25 regulations.

26 Please act according to your local rules and do not dispose of your old products with your normal household
27 waste.

28 4.2.4 Disposal of your CliniScape Docking Station

29 Do not dispose of this device with general household waste.

30 4.2.5 Dispose of Lithium ion battery (Li-ion)

- 31 • Lithium-ion battery should never be incinerated since it might explode.
- 32 • Special precautions must be taken to avoid Li-ion battery fire up or explosion that can cause serious injuries.
- 33 Never try to extinguish such a fire with water but only with suitable extinguisher.
- 34 • Contact your local waste disposal agency for the address of the nearest battery deposit site.

1 5 Troubleshooting

2

3 5.1 My Cliniscape Docking Station is not turning ON...

4 Make sure that the power cable is properly or the AC adapter is also plugged into the wall socket..

5 5.2 My Cliniscape Docking Station Power on LED is ON, but the battery is not charging.

6
7 Make sure that the battery is fully inserted in the system. If the yellow LED is OFF but the below Green LED is
8 ON the battery is fully charged

9 5.3 My Cliniscape is not powered when docked

10 Make sure that the docking station is powered

11 Make sure that the MCA is well docked (no gaps in between the back side of the MCA and the front of the
12 docking and both lower profiles fully aligned). Brand new MCAs could suffer of a slight stickiness of the
13 rubberized parts, creating frictions when the MCA is docked.

14 Make sure that your MCA is ON

15 5.4 The LAN connection is not working

16 Make sure that the LAN cable is connected to the docking station

17 Make sure that the MCA is well seated in the docking station

18 Check if the LED on the LAN connectors are blinking

19 5.5 The USB connection are not working

20 Make sure that the USB cables are well connected to the docking station

21 Make sure that the MCA is well seated in the docking station

22

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2 6 Specification

3 6.1 Connectivity

4 • I/O Interfaces

USB ports (x 3)
100 Mbps wired LAN on RJ-45
18 - 26.5 VDC Power Input Jack
Spare battery charger
Spare battery (optional)

7 • Embedded Devices

9 6.2 Power:

10 • AC/DC Adapter In (Optional)

100-240 VAC 1.5 A @ 50/60 Hz

11 • AC/DC Adapter Out

19 VDC 5.3 A

12 • Battery type

Li-ion, rechargeable

13 • Battery capacity

3900 mAh

14 • Charge duration

Stand-by 15 days

Operating 3,5 hrs (typical)

16 6.3 Physical Characteristics (MCA only)

17 • Dimensions

Width: 265.0 mm

Height: 250.0 mm

Depth: 29.5 mm

Depth (including handle): 78.0 mm

1.85 kg (3,9 pounds)•

21 • Weight

22 6.4 Environmental Specifications

23 • Temperature (operating)

0°C to 35°C

24 • Temperature (transport and storage)

-20 °C to 60°C

25 6.5 Applicable International Standards

26 • Safety

EN / IEC 60601-1

CAN/CSA-C22.2 No.691.1-M90

28 • EMC

FCC CFR 47 P.15 Sub B - Class B

CISPR 22 - Class B

EN / IEC 60601-1-2

EN 55011 / CISPR 11 - Class B

32 • Marks

C-UL-US, CE, DEMKO, FCC

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2 7 Options

3 7.1 Optional Vesa adapter

4 For Vesa compliant connection to monitor holders, arms, pedestal, as well as for wall fixation, an
5 optional VESA / wall mount adapter MCH104VHD is available for the docking station. (P/N 9919 201 02042)

6 7.2 Optional additional battery pack

7 Additional battery packs can be purchased (P/N 9919 208 80711)

8 7.3 Optional spare AC adapter

9 In case you want to have separate AC adapter for the MCAs , when on the go, and the docking stations,
10 separate AC adapter can be purchased .

11 Its P/N is 9919 208 85191

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8 Customers care and warranty

8.1 Contacts

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Italy
Tel: +39-02-96175.1

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www.fimi.philips.com

For questions or inquiries:
www.fimi.philips.com/about-us/contact-us/index.html

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2 9 Glossary and index

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4 9.1 Glossary

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7 9.2 Index

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