

Cleaning

Before cleaning disconnect the device from AC mains. The Outside of the charging station can be cleaned with a damp, Soft and lint free cloth to disinfect the unit. Dipping the unit into solutions or cleaning agents is not allowed! Periodically check the charging station, making sure that no sign of corrosion or oxidation and dust is present, in case they are present, it is highly recommended to clean the charger.

Do not use abrasive Ultrasonic cleaners, alcohol or other chemicals to clean the unit as this may degrade the outside surface of the charger, as they will scratch the surface.

Autoclaving and Flash sterilization the charger result in severe electrical damages.

Storage

Since the product is made of corrosion-proof materials suitable for the environmental conditions foreseen for its normal use, does not require special care, however it is necessary to store it in such a way to make sure that it is protected from dust, and water to assure its hygienic conditions and protection against short circuit. Moreover, it is recommended to place the charger without batteries.

⚠ Use and Maintenance

- Use hospital grade plugs only.
- Handle the charger carefully as it contains circuit for charging battery.
- Any unauthorized modification/service is not allowed because it may cause short circuit that may damage the equipment, so always contact the authorized person or send the unit back to the manufacturer for repair.
- Disconnect the charger from main supply prior to any maintenance.
- Charger is not suitable for use in the presence of a flammable anesthetic mixture with air or oxygen or nitrous oxide. An explosion may result.
- Examine the charging station for wear or damage monthly. Clean the charger once in a week according to the Cleaning Section of this manual.
- Do not charge dry cells.

	Product code
	Lot number
	Serial number
	Caution: read instructions (warnings) carefully
	Manufacturer
	Keep in a cool, dry place
	Keep away from sunlight
	Medical Device compliant with Regulation (EU) 2017/745
	Follow instructions for use
	WEEE disposal
	Date of manufacture
	Medical Device
	Class II applied
	Alternating current
	Fuses
	Direct Current

General Batteries Guidelines

It is not recommended to overcharge or overdischarge batteries. Overheating can cause several damages. It is recommended to use Gima Batteries.

Batteries that are not used for a long time should be charged at least once a year to prevent overdischarge.

Technical Specifications

Type	Lithium Ion Batteries (small)		Lithium Ion Batteries (Medium)		Plug-In
Voltage	2,5V	3,5V	2,5V	3,5V	3,5V
Capacity	1000 mAh	700 mAh	2200 mAh	1500 mAh	1400 mAh
Charging Time	2.5 hours	2 hours	5 hours	3.5 hours	5 hours



Disposal: The product must not be disposed of along with other domestic waste. The users must dispose of this equipment by bringing it to a specific recycling point for electric and electronic equipment.

GIMA WARRANTY TERMS

The Gima 12-month standard B2B warranty applies.



PROFESSIONAL MEDICAL PRODUCTS

ZOOM CHARGER

For Rechargeable Battery Handles 2.5V & 3.5V

All serious accidents concerning the medical device supplied by us must be reported to the manufacturer and competent authority of the member state where your registered office is located.

REF 31542



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Thank you for purchasing the ZOOM Charger. Please review this manual prior to use. It does not require any special training for its use.

Introduction

The Zoom charging station is attractive, modular and easy to use. It is an intelligent charging station based on smart regulator ICs with accurate charging time and indication of battery charge status.

Intended Use

The Zoom Charger is intended to Charge standard rechargeable li-ion batteries both 2.5V and 3.5V. It is connected directly to supply mains 100-240VAC, eliminating the need for adaptors, and charges the batteries in CC and CV mode.



Unpacking

Always remember that packing elements (paper, cellophane, stitches, adhesive tape, etc.) can cut and/or hurt if they are not carefully handled. They shall be removed with adequate means and shall not be left at the mercy of irresponsible persons; the same is valid for tools used to remove packages (scissors, knives, etc.).

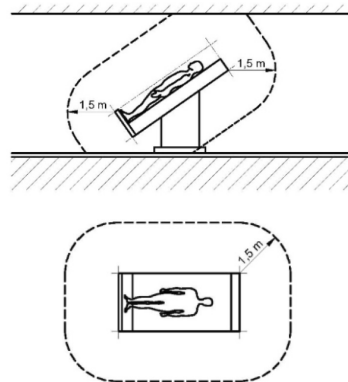
After opening the packages, first of all it is necessary to check all piece and parts composing the product. Check that they are all present and in perfect conditions.

Assembling

Attach the power cord with the charger and insert it in mains supply. Green LED glows which shows main supply is ON. Now charger is ready for use.

Operating Instructions

The Zoom Charger is intended for installation in medical areas outside the patient Environment at least 1.5m from the patient or patient pursuant to IEC 60601-1, See Figure below.



Do not touch the handle (under charging) and patient at the same time.

After connecting the power cord with the charging station and main power source, the charging station is ready to use (the Green LED indicates, "Stand By" position). After insertion of the battery handle, the LED responsible for the respective charging slot displays the charge state (Red=charging, Green=Charged). When charging is completed, the LED changes from red to green signifying that the charging handle is completely charged. Upon inserting the battery handle into the charging slot, the charging starts automatically. The LED displays the charging process in RED.

When the charging process is completed, the charging function changes to a trickle charge, which can be seen when the LED becomes Green. When the batteries to be charged are completely empty, a higher charging current will be used. Thus, the charging time (LED Red) will be shortened. In the trickled charge mode, a lower charging current is used, ensuring a permanently stable state of the cells and protection against the build up of excessive heat.)

Max. Charging current up to 1A.
Max. Charging voltage up to 4.2V.

Device should be turned off when not in use and to safely terminate the device, user should unplug the power cord from AC mains inlet socket in the wall or board.

Specifications

Input voltage	100-240V ~ 50/60Hz
Input power	28VA max
Fuse	2 x 250V/1A
Output voltage	4.2V $\overline{\overline{\quad}}$
Charging current	1A max
Protection class	II
Dimensions:	170mm (6.7") x 86mm (3.4")
Weight	352g
Power supply cord	250 cm (98.4")

Environment

Operating

Temperature limitation	0°C~40°C
Humidity limitation	5%~70%
Atmospheric pressure limitation	700hPa~1000hPa

Transport / storage

Temperature limitation	-20°C~80°C
Humidity limitation	5%~90%
Atmospheric pressure limitation	700hPa~1000hPa

Zoom Charges the Small Batteries in max 2 hours
Zoom Charges the Medium Batteries in max 5 hours

Precautions



The unit should be handled carefully. The product shall be used by qualified personnel only. Do not use the equipment in case it is damaged. Apply to your retailer. Avoid precarious repairs. Repairs shall be carried out with original spare parts only, which shall be installed according to the intended use.

When placing or replacing the handles in the charging compartments, ensure that the internal contacts in the compartments are clean and that the instrument is switched off. Do not short the charging pins, it can burn the charging circuit or cause fire. Carefully handle the charger and immediately replace in case of any damage. Avoid precarious repairs. Re-

pairs shall be carried out with original spare parts only, which shall be installed according to the intended use. Protect charging pins against short circuiting.

Use of Small and Medium Handle

Small Handle

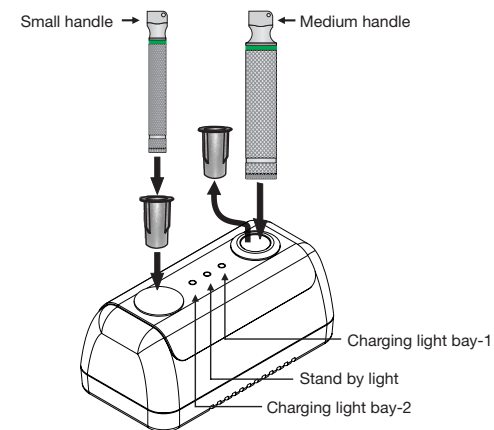
Insert small handle in the Slot of reducer, which is already inserted in the Slot of "Charging Station".

Medium Handle

For medium handle, pull out the reducer from the "Charging Station" and insert medium handle.

The charger is intended to supply power to handle for charging the battery. So the user should not hold the handle in the charger for more than 30 Seconds.

Before putting the battery handle into charging station please check the battery, do not put the battery for charging if leaked.



Remove the batteries from the handle if not in use for long time.