

MEDIACADDY

Manual



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*Monitor is not included in the scope of delivery.

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1. General Safety Instructions

WARNING!



Failure to observe the following safety instructions may result in serious injury, damage to the device or property damage.

1.1. Intended Use

The Mediacaddy is intended exclusively for the integration of displays and the visualization of presentation/information content. The Mediacaddy is operated exclusively with a BACHMANN battery LI. Any further use is considered improper. The operator of the Mediacaddy is solely liable for the resulting damages.

WARNING!



Components not approved by BACHMANN for the media device can cause fires and explosions. Persons can be seriously injured or killed. Property damage can occur.

WARNING!



Operate media device exclusively with BACHMANN battery LI

Use only electrical media devices approved by BACHMANN

Only electrical devices that are ready to plug in and can be connected to the docking station sockets within the specification may be mounted

Electrical media devices may only be installed by qualified and trained personnel

WARNING!



If the Mediacaddy or battery is not used for the intended purpose, persons may be seriously injured or killed. Property damage can occur.

→ Use the media device and battery as described in this manual.

1.2. User requirements

WARNING!



Users without instruction cannot recognize or estimate the dangers of the Mediacaddy. The user or other persons can be seriously injured or killed.

- → Read, understand and store the instructions carefully.
- → If the Mediacaddy is passed on to third parties, these instructions must also be provided.
- → If anything is unclear: Contact BACHMANN Customer Service.
- → The user has received instruction from a BACHMANN employee or expert before working with the Mediacaddy for the first time.
- → Keep the device away from children.

1.3. Working area and environment

1.3.1. Mediacaddy

WARNING!



The electrical contacts on the Mediacaddy and metallic components can corrode due to moisture. The Mediacaddy can be damaged.

- → Remove the battery
- → Keep the Mediacaddy clean and dry

WARNING!



The Mediacaddy is designed for use in offices and conference rooms and is not protected against all environmental influences. If the Mediacaddy is exposed to certain environmental influences, the electrical contacts on the Mediacaddy and metallic components may corrode due to moisture. The Mediacaddy can be damaged.

- → Only use the Mediacaddy in dry and closed rooms.
- → Do not expose the Mediacaddy to dripping or splashing water

1.3.2. Battery



WARNING!

The battery is not protected against all environmental influences.

If the battery is exposed to certain environmental influences, the battery may burn or explode. Persons can be seriously injured or killed. Property damage can occur.

- → Protect the battery from heat and fire.
- → Protect the battery from direct sunlight.
- → Use the battery only in a dry, closed environment.
- → Do not expose the battery to dripping or splashing water.
- → Store the battery only in a temperature range between 0 °C and 50 °C.
- Do not cover the battery with insulating objects during charging and discharging.
- → Do not expose the battery to high pressure.
- → Do not place the battery in the microwaves.
- → Protect the battery from chemicals and salts.

1.4. Safety-conscious state

1.4.1. Mediacaddy

The Mediacaddy is in a safe condition if the following conditions are met:

- → The Mediacaddy is undamaged.
- → The Mediacaddy stands vertically on level ground.
- → Only components approved by BACHMANN are connected to the Mediacaddy.

WARNING!



In an unsafe condition, parts may not function properly and components may fall off/over. Persons may be injured.

- Do not work with a damaged Mediacaddy.
- → Do not change the media device. Exception: Mounting of BACHMANN approved accessories and electrical media devices.

Accessories and electrical media equipment have been installed by qualified and trained personnel.

1.4.2. Battery

The LI1000 battery is in a safe condition if the following conditions are met:

- → The battery is undamaged.
- → The battery is clean and dry.
- → The battery works and is unchanged.

The battery can no longer function safely in an unsafe condition. The battery may burn or explode. Persons can be seriously injured or killed. Property damage can occur.

- → Only work with an undamaged and functioning battery.
- → Do not open, disassemble, repair or modify the battery.
- → Do not charge or discharge the battery if it has a fault or damage. Please contact customer service.
- → If the battery is dirty: Clean the battery.
- → Do not touch or short-circuit the battery contacts with metallic objects.
- → Do not place any objects on the device.

A damaged or defective battery can smell unusually, smoke or burn. Persons can be seriously injured or killed. Property damage can occur.

- → In case the battery smells unusually or smokes: Do not use the battery, keep it away from flammable materials and contact BACHMANN customer service.
- → If the battery is on fire: Try to extinguish the battery with a fire extinguisher. Contact the fire brigade in an emergency

1.5. Operate

1.5.1. Mediacaddy

When working with the Mediacaddy, the following safety instructions must be observed:

WARNING!



The Mediacaddy can tip over when moving. Persons can be injured or objects damaged.

- → Only move the Mediacaddy when it is in the lowest position.
- → Do not place the Mediacaddy on uneven surfaces.
- → Secure the Mediacaddy against unintentional movement by applying the parking brakes of the rollers.

WARNING!



Parts of the body can be trapped or objects can be damaged when the lifting column is operated. Risk of crushing!

→ Do not bring any objects into the travel path of the lifting column.

1.6. Transporting

1.6.1. Mediacaddy



WARNING!

During transport, the Mediacaddy can move and tip over. Persons can be injured or objects damaged.

- → Move Mediacaddy into lowest position before transport.
- → Remove the BACHMANN battery LI.
- → Secure the Mediacaddy with the parking brakes of the rollers against unintentional movement.
- → Pack the Mediacaddy properly to avoid damage.
- → Secure the Mediacaddy so that it cannot tip over or move.

1.6.2. Battery



WARNING!

The battery is not protected against all environmental influences.

If the battery is exposed to certain environmental influences, the battery may be damaged. Persons can be seriously injured or killed. Property damage can occur.

- → Do not transport a damaged battery
- → Transport the battery in an electrically non-conductive package.

WARNING!



The battery may tip over or move during transport. Persons can be injured and damage to property can occur.

- → Pack the battery in its packaging so that it cannot move.
- → Secure the packaging so that it cannot move.

1.7. Storage

1.7.1. Mediacaddy

WARNING!



Children cannot recognize and do not estimate the dangers emanating from the Mediacaddy. Children can be seriously injured

- → Move the Mediacaddy to the lowest position.
- → Secure the rollers with the parking brake.
- → Keep the Mediacaddy out of the reach of children.

WARNING!



The electrical contacts on the Mediacaddy and metallic components can corrode due to moisture. The Mediacaddy can be damaged.

- → Remove the battery.
- → Store Mediacaddy clean and dry.

1.7.2. Battery

<u>(i</u>

WARNING!

Children cannot recognize or estimate the dangers of the battery. Children can be seriously injured.

→ Keep the battery out of the reach of children.

WARNING!

The battery is not protected against all environmental influences. If the battery is exposed to certain environmental influences, the battery may be damaged.

- → Keep the battery clean and dry.
- → Store the battery in a closed room.
- → Keep the battery separate from the Mediacaddy.
- → Store the battery in an electrically non-conductive package.
- → Store the battery in a temperature range between 0°C and + 50 °C.

Cleaning, maintenance and repair

1.8.1. Mediacaddy



WARNING!

Sharp cleaning agents, high-pressure cleaners or sharp objects can damage the Mediacaddy. If the Mediacaddy is not cleaned properly, components may no longer function properly and safety devices may be overridden. Persons can be seriously injured.

→ Clean the Mediacaddy as described in these operating instructions.

WARNING!



If the Mediacaddy is not serviced or repaired properly, components may no longer function properly and safety devices may be overridden. Persons can be seriously injured or killed.

- → Do not service or repair the Mediacaddy yourself.
- → If the Mediacaddy needs servicing: Contact BACHMANN Customer Service.

1.8.2. Battery

WARNING!

Sharp cleaning agents, high-pressure cleaners or sharp objects can damage the battery. If the battery is not cleaned properly, components may not function properly and safety devices may be overridden. Persons can be seriously injured

Clean the battery as described in this manual.

WARNING!



If the battery is not serviced or repaired correctly, components may no longer function properly and safety devices may be overridden. Persons can be seriously injured or killed.

- Do not service or repair the battery yourself.
- → If the battery needs servicing or repair: Contact BACHMANN Customer Service.

2. Other applicable documents

In addition to this manual, read, understand and store the following documents:

- → Manual Nova-150SR Charger
- → Manual BACHMANN Battery LI1000

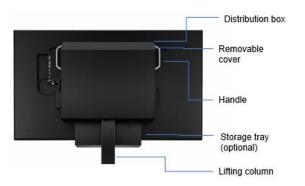
Manuals and safety information on BACHMANN's independent systems can be found on the Internet at:

https://www.bachmann.com/en/downloads/technical-documents/

3. Technical overview

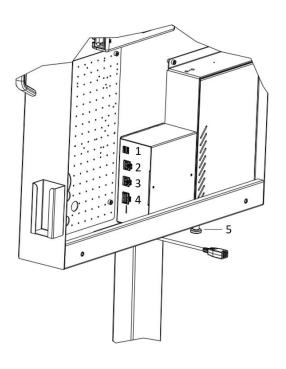
3.1. Mediacaddy







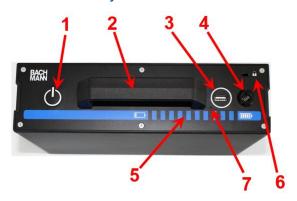




- The handle is used to carry and guide the battery.
- USB bootloader
 The USB socket is used to update the battery.
- Charging socket
 The charging socket is used to charge the battery.
- 5) LED bar graph display
 The LED bar display shows the battery
 charge status and faults.
- 6) Kensington Lock
 The Kensington Lock is used to back
 up the battery.
- Reset button
 The reset button is used to reset the battery electronics.

- Double USB socket with charging function (hidden in the picture)
- 2) Output 12 V
- 3) Output 24 V
- 4) Battery voltage output
- 5) Spring detent bolt

3.2. Battery



Front view:

1) Push button

Serves to switch the battery on and off and indicates whether an error has occurred.

Button lights up "white" → Battery is on.

The button does not light up \rightarrow the battery is off.

Button lights up "red" → There is an error with the battery, see Chapter - Error Handling.

2) Handle

4. Technical data

4.1. Mediacaddy

Technical details

Measurements in mm800x650x1180Height adjustment660 mmWeight (without accessories)ca. 60 kgFor display sizesup to 58"Max. display weight30 kg

Rollers 4 guide rollers, 2 of

them detectable

Electrical parameters

Input 1:

Input voltage 20-29 VDC Input current 12A

Input 2:

Input voltage 24 VDC Input current 7A

Power output

1x WIELAND GST15i3 socket

3-pole, housing black, coding brown

Output voltage 20-29 VDC
Output current 12A

1x WIELAND GST15i2 socket

2-polig, housing black, coding light blue

Output voltage 24 VDC
Output voltage tolerance +/- 2,5%
Output current 7A

1x WIELAND GST15i2 socket

2-polig, housing black, coding pastel

blue

Ausgangspannung 12 VDC
Output voltage tolerance +/- 2,5%
Ausgangsstrom 3,8A

Function modules

USB-Charger

USB-A double charger, 5VDC / 2x 3,0A

Further product attributes

Material

Housing:

Steel sheet powder coated, black

similar to RAL9005

Scope of delivery

1x MEDIACADDY

In carton

Accessories

Accessories: Shelf space

4.2. Battery

Electrical parameters

Battery capacity950 WhBattery cell typeLi-lon

Power output

Output 1:

Unregulated output voltage 20-29 VDC
Output current 12 A

Output 2:

Regulated output voltage 24 VDC
Output voltage tolerance +/- 2,5%
Output current 7,5 A

Further product attributes

Material

Housing:

ABS plastic, black similar RAL 9005

Scope of delivery

1x Battery

1x safety information

Weight Battery 4,8 kg

237 x 77 x 220

Product dimensions (B x H x T)

In carton

Environmental conditions

 $\begin{array}{lll} \textbf{Protection type} & IP20 \\ & 0^{\circ}\text{C to} \\ \textbf{Permissible storage temperature} & 50~^{\circ}\text{C} \\ & 10^{\circ}\text{C to} \\ \textbf{Permissible temperature range discharging} & 30~^{\circ}\text{C} \\ & 10^{\circ}\text{C to} \end{array}$

Permissible temperature range charging 30°C

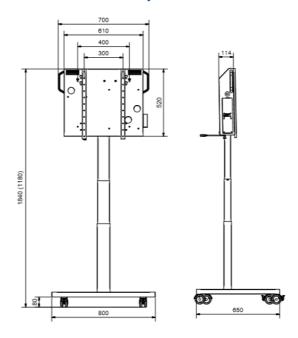
Accessoires

Accessoires:

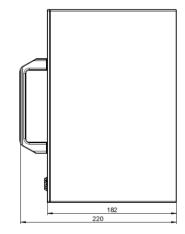
Nova 150SR Charger

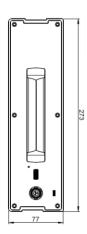
5. Dimensions

5.1. Mediacaddy



5.2. Battery





6. Putting into operation

6.1. Mediacaddy

- Place the Mediacaddy on a flat, firm surface and secure the Mediacaddy against unintentional rolling away using the parking brakes.
- 2) Make sure that the following points are given.
 - → The Mediacaddy is in a safe condition (see chapter 1.4.1).
 - → The battery is in a safe condition (see chapter 1.4.2).
- 3) Before first use, fully charge the battery.
 - → Charge the battery (see chapter 9.1).
- 4) Insert the battery into the docking station provided (see chapter 7.1).
- 5) Switch on the battery by pressing the push button (see chapter 8.1).
- 6) Now press the control button (left side) Arrow up (hold down until the uppermost position is reached). The lifting column stops automatically in the top position (see chapter 13.3).
- 7) Remove the back cover



→ Loosen 2x screws



- → Lift off cover
- → Set the cover down
- 8) Attach the display to the VESA bracket. Please observe the specifications of your display manufacturer with regard to the required screws, spacers, etc.
- 9) Switch off the battery by pressing the push button (see chapter 8.1).
- Position all components and cables necessary for the installation and secure their position with the cable ties.
- 11) Switch on the battery again by pressing the push button. Under observation, let the display move all the way down and all the way up again.

- Check again the fit and position of all components and cables and correct their position if necessary.
- Move the display in completely, close the cover

Your Mediacaddy is now ready for use.

6.2. Battery

- 1) Make sure that the following points are given.
 - → The Mediacaddy is in a safe condition (see chapter 1.4.1).
- 2) Before first use, fully charge the battery.
 - → Charge the battery (see chapter 9.1).
- 3) Insert the battery into the docking station provided (see chapter 7.1).
- 4) Switch on the battery by pressing the push button (see chapter 8.1).

7. Inserting and removing the battery

7.1. Inserting the battery

→ Insert the battery in the docking station.



→ Pull the locking lever and hold it pulled.



→ Push the battery completely into the docking station.



- → The battery clicks into place.
- → Release the locking lever.

7.2. Removing the battery

Before removing the battery, it is recommended to move the Mediacaddy to the lowest position.

→ Height adjustment is only possible with the battery inserted and switched on.



→ Hold one hand in front of the docking station so that the battery cannot fall off.



→ Pull the locking lever.

The battery is unlocked and can be removed.

8. Switching the battery on and off

8.1. Switching the battery on

The battery can only be switched on if it is completely inserted in the docking station and contacting has taken place.

Follow these steps to switch on the battery

- → Make sure the battery is fully charged.
- → Insert the battery in the docking station (see chapter 7.1).



→ Press the push button.

The push button starts to light up in "white". The LED segment display is activated and permanently indicates the remaining charging capacity during operation.

The outputs of the battery are enabled, voltage is applied to the outputs.

8.2. Switching the battery off

To turn off the battery, follow these steps:



→ Press and hold the push button for approx. 2 seconds while the battery is in the docking station.

The push button and LED segment display extinguish. The battery is in "Standby" mode. No voltage is applied to the outputs of the battery.

9. Charge the battery

9.1. Charge the battery

Follow these steps to charge the battery:

Connect the charger to the mains supply.



→ Connect the charger to the charger socket on the front of the battery.

Charging starts automatically. The LED segment display on the battery is activated and a running light indicates the current charge level of the battery.

The yellow LED on the charger starts flashing at regular intervals. When the battery is fully charged, the green LED lights up continuously. If there is an error, the red LED lights up.

For further operating instructions on the charger:

→ Read manual for NOVA 150-SR

NOTE: It is possible to charge the battery while it is connected to one or more active devices. However, the battery and its electronics are not designed for this mode of operation in the long term, which is why charging and discharging should be carried out separately for normal operation.

9.2. Wake the battery

If a completely discharged battery is not used for a long period of time, the battery store may be deeply discharged. In this case, the battery can no longer be switched on. For more information, see chapter 18 - Error Handling.

To wake the battery, follow these steps:

- Connect the charger to the mains supply.
- → Connect the charger to the charger socket on the front of the battery.

If charging does not start automatically:



→ Press the "Wake-Up" button on the charger.

The yellow LED on the charger starts flashing at regular intervals.

The LED segment display on the battery is activated with a time delay and indicates the current charging state of the battery by a running light.

9.3. Battery charging times

It takes approx. 6 to 7 hours to charge a completely empty battery.

The first charging process during commissioning can be shorter, as the battery is not delivered completely discharged.

The charging time depends on various influences, e.g. the temperature of the battery or the ambient temperature. Actual charging time may differ from specified charging time.

For further operating instructions:

→ Read manual for NOVA 150-SR

9.4. Display state of charge

While the battery is not in the docking station or during charging, the current charging status can be displayed.



- → Press the push button
- → The charge status indicator (see figure) shows the charge status in bright light for ten seconds.

The LED bar segment of the battery displays the current charge status of the battery.

One bar corresponds to approx. 10% of the current state of charge.

10. Reset the battery

The battery has a "reset" function which can be used to reset the battery in the event of an error. For more information on error handling, see chapter 18 - Error Handling.



→ Press the "Reset" button - Use the supplied reset tool or alternatively a pointed object. When the system reset is triggered, the battery electronics are reset and restarted.

11. Performing a battery firmware update

With an USB stick, a firmware update can be uploaded to the battery via the USB socket on the memory front. This allows the firmware to be updated and optional function extensions to be enabled.

To start the firmware update:



→ Plug the USB stick into the USB socket in the battery front



Press the reset button with the enclosed reset tool.

The circle segment display around the USB bootloader starts to light up white. The update process is started.

Approx. 15 seconds after pressing the reset button, the push button flashes white three times. The firmware update was completed successfully.

As soon as all LED's are extinguished, the USB stick can be removed from the USB socket and the files removed from the stick.

Updates and the necessary files are provided by BACHMANN Customer Service.

12. Wake the battery

If a completely discharged battery is not used for a long period of time, the battery store may be deeply discharged. In this case, the battery can no longer be switched on. For more information, see chapter 16 - Error Handling.

To wake the battery, follow these steps:

- Connect the charger to the mains supply.
- → Connect the charger to the charger socket on the front of the battery.

If charging does not start automatically:



→ Press the "Wake-Up" button on the charger.

The yellow LED on the charger starts flashing at regular intervals.

The LED segment display on the battery is activated with a time delay and indicates the current charging state of the battery by a running light.

13. Operate

13.1. Switching the Mediacaddy on

The Mediacaddy is switched on via the battery. To switch on the device, the battery must be inserted into the media device (see chapter 7.1)

- → Insert the battery into the docking station (see chapter 7.1)
- → Switch on the battery (see chapter 8.1)

The push button starts to light up in "white". LED segment display is activated permanently. The connected devices are supplied with power and started automatically.

13.2. Switching the Mediacaddy off

The Mediacaddy is switched off via the battery.

→ Press the push button with one finger for approx. 2 sec.

The push button and LED segment display of the battery extinguish.

The power supply to the system is interrupted.

Note: Before switching off the system, it is recommended to shut down connected devices (e.g. Mini PCs, monitors etc.).

Note: Do not remove the battery from the docking station during operation.

13.3. Extending the lifting column

The height of the media device can be adjusted using the height adjustment button.

→ Make sure that the Mediacaddy is switched on (see chapter 13.1).



→ Make sure the Mediacaddy is upright and that the parking brakes of the rollers are engaged.



Press the "up arrow" button with one finger.

System moves up.

Press the "arrow down" button with one finger.

System moves down.

The Mediacaddy stops automatically in the highest or lowest position.

CAUTION: Make sure that there are no objects in the way, both when raising and lowering the system.

13.4. Moving the Mediacaddy

Um den Medienwagen zu verschieben:

To move the Mediacaddy:

- → Make sure, that the lifting column is in the lowest position.
- → Release the parking brakes of the rollers.

The Mediacaddy can now be moved.

14. Storage

14.1. Mediacaddy

Store the Mediacaddy in such a way that the following conditions are met:

- The Mediacaddy must be kept out of the reach of children
- The Mediacaddy is clean and dry
- → Lower the Mediacaddy completely with the lifting column.
- → Lock the rollers with the parking brake.

- → Switch off the Mediacaddy.
- → Remove the battery.

14.2. Battery

For optimal storage BACHMANN recommends storing the battery at a state of charge of approx. 50% (5 blue LEDs).

To prevent aging of the battery cells, BACHMANN recommends storing the battery in the temperature range between 15°C and 25°C.

- → Store the battery in such a way that the following conditions are met:
 - The battery is switched off.
 - The battery is out of the reach of children.
 - The battery is clean and dry.
 - The battery is in a closed room.
 - The battery is separate from other devices or chargers.
 - The battery is in an electrically non-conductive package.
 - The battery is not stored outside the permissible temperature range of 0°C to 50°C

15. Transportation

15.1. Mediacaddy

To prevent damage to the furniture, BACHMANN recommends that the Mediacaddy is transported professionally. Transport and installation of the Mediacaddy should always be carried out by at least two persons.

- → Remove the battery from the Mediacaddy and pack it separately.
- → Make sure that the Mediacaddy is in a safe condition.
- Properly pack the Mediacaddy and check that the Mediacaddy does not move in the packaging.
- → Secure the packaging so that it cannot move.

Note:

Before transportation, please ensure that the space available corresponds to the size and weight of the furniture, i.e. ground-level access from the road, (freight) elevators should be available.

15.2. Battery

The battery underlies the requirements for transporting dangerous goods. The battery is classified as UN 3480 (lithium-ion batteries) and has been tested in accordance with the UN Manual for Tests and Criteria, Part III, subsection 38.3. Read the document carefully before shipping the battery.

- → Pull the battery out of the docking station.
- → Ensure that the battery is in a safe condition
- → Pack the battery in such a way that the following conditions are met:
 - The packaging is not electrically conductive
 - The battery cannot move in the packaging
- → Secure the packaging so that it cannot move

16. Cleaning

16.1. Mediacaddy

- → Switch off the Mediacaddy.
- Remove the battery from the Mediacaddy.
- → Clean the Mediacaddy with a dry cloth.

16.2. Battery

- → Switch off the battery.
- → Clean the battery with a dry cloth.

17. Maintenance and repair

17.1. Mediacaddy

- → Do not service or repair the Mediacaddy yourself
- If the Mediacaddy needs servicing or repair: Contact BACHMANN Customer Service.

17.2. Battery

- → Do not service or repair the battery yourself
- → If the battery needs servicing or repair: Contact BACHMANN Customer Service.

18. Disposal

18.1. Battery

Do not dispose of the battery in normal domestic waste. Return the battery to BACHMANN GmbH for correct disposal.

- → Contact BACHMANN Customer Service and request a return.
- → BACHMANN GmbH will send you non-conductive transport packaging for return, as an alternative you can also return the battery in its original packaging.
- → Before sending, make sure that the battery is completely discharged and switched off.

19. Error handling

19.1. Battery

The battery has a red LED, which lights up the push button in the event of an error. The outputs of the battery are deactivated. The following table lists possible errors and their possible solution approach.

Error	Solution approach	
Battery cannot be switched on/off.	Possibly the electronics have hung up. Please press the "Reset" button located near the carrying handle. If the battery is switched on, make sure that all connected devices have been switched off properly before pressing the "Reset" button.	
Battery cannot be switched on/off. The push button lights red when the switch is pressed.	The battery electronics has detected an error and prevents the release of the battery voltage at the outputs. Check the permitted operating conditions (temperature, output power, operating voltage of the connected devices).	
Battery cannot be switched on	The battery has discharged deeper than permitted. An electronic protection function prevents the switching on to prevent further discharge. Connect the charger and press the "Wake Up" button. The yellow LED on the charger, which is now permanently lit, indicates that the battery is being charged. After some time, the yellow LED starts flashing. From this point on, the	

	soft-load mode is terminated, and the battery is loaded normally.
Battery switches off, although the display shows > 0 % charge state (SOC)	Check the environmental conditions. The operating temperature limits may have been exceeded. Restore the permissible operating conditions and allow the battery to rest for a certain period for reconditioning. Then press the "Reset" button. Now you can use the battery as usual.
Battery switches off, although the display shows > 0 % charge state (SOC)	Possibly the battery electronics has broken down, please press the "Reset" button.
Electrical device cannot be switched on although battery is switched on	Check the connection of the device to the battery. The connections may have reverse polarity. CAUTION! The connected consumer may have been damaged. Consult qualified personnel.
Electrical device cannot be switched on although battery is switched on	Check that the battery is completely inserted into the docking station and locked at the locking points.

If the measures listed in the table above do not lead to successful error correction or if the red error display cannot be deleted, please contact BACHMANN Customer Service.

20. Optional accessories

Item Number	Designation
903.700	Barco Clickshare CS-100
903.710	Barco ClickShare Button
903.711	Barco ClickShare tray
903.712	Barco Clickshare Bundle
903.800	BrightSign LS423
903.810	BrightSign Wifi-antenna
700.9000	Shelf Mediacaddy
918.200	HDMI cable 1,0m
149.0000	Connection cable Monitor
149.0001	Connection cable Barco
149.0002	Connection cable LINAK

21. Customer service

Contact:

Customer service BACHMANN

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Special equipment on request:

Suitable displays, monitor, media control etc.

Please do not hesitate to contact us.