

# POWERLINE 2

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# MANUAL

# OPERATING INSTRUCTIONS

## FOREWORD

Dear Customer,

Many thanks for choosing the POWERLINE 2 charger from ANSMANN. The operating instructions will help you to get the best from the functions of your new charger. We hope you enjoy this new charger.

Your ANSMANN Team

## SAFETY INSTRUCTIONS

- Read the operating instructions carefully before using and observe the safety instructions!
- Do not use the device if there is damage to the housing or plug. Contact the authorised dealer!
- Insert only nickel metal hydride (NiMH) or nickel cadmium (NiCd) rechargeable batteries - there is a risk of explosion with other batteries!
- Ensure the rechargeable batteries are inserted with the correct polarity (+/-)!
- Only rechargeable batteries that are designed for the charge current of the charger should be used with the device!
- The device must only be operated in closed, dry rooms!
- In order to prevent any risk of fire or electric shock, the device must be protected from moisture and rain!
- Only carry out cleaning and maintenance tasks with the mains plug disconnected!
- Do not open the device!
- Keep away from children! Children should be supervised in order to ensure that they do not play with the device!

- This device is not to be used by persons (including children) who have restricted physical, sensory or mental capabilities or who do not have adequate experience and knowledge in handling this device. Such persons must be instructed beforehand by a supervisory person who is responsible for their safety or must be supervised during the use of the device!
- Failure to observe the safety instructions can result in dangerous injuries to persons or damage to the device or the rechargeable batteries!
- We recommend using ANSMANN rechargeable batteries!

#### **FUNCTIONAL OVERVIEW**

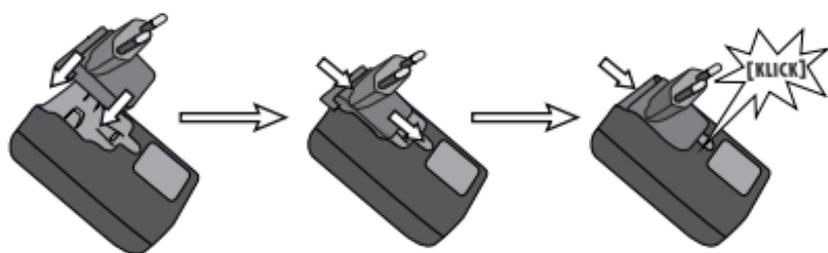
- Intelligent charger for 1-2 9V PP3 NiMH rechargeable batteries with 8.4V nominal voltage
- Automatic charge start after rechargeable battery is inserted
- Microcontroller-monitored charge control
- Multiple over-charging protection through voltage monitoring (-dU) and safety timer
- Fully-charged detection and automatic changeover to pulse maintenance charging
- Individual slot monitoring (separate charging for each rechargeable battery)
- Reverse polarity protection
- Defective battery detection
- Indication of the rechargeable battery status via a multicolour LED for each charge slot
- Worldwide use (100V-240V AC / 50-60Hz)

## USE

Fit the mains plug (different mains plugs may be included, e.g. Euro, UK, US or AU, depending on the design and the specific country variant) onto the two mains contacts and slide it on until it reaches the stop in the guide (see illustration). Ensure that the plug latches into place audibly when sliding on. The charger is now ready for use.

To release/change the mains plug, press the locking tab carefully (e.g. with a ballpoint pen) downwards a little and slide the plug back.

Plug the charger into a suitable mains outlet. The charger's readiness for operation is indicated by the brief illumination of both LEDs. You can insert one or two NiMH or NiCd 9V PP3 rechargeable batteries with a nominal voltage of 8.4V into the charge slots. Ensure that the rechargeable batteries are inserted with the correct polarity, matching with the symbol beside the charge slot. The charge process starts automatically and is indicated by the red LED for the respective slot illuminating. The rechargeable batteries do not need to be inserted at the same time as the charge process for each rechargeable battery is controlled independently. Warming of the rechargeable batteries during the charge process is normal. After successfully charging a rechargeable battery, the LED illuminates green and the charge process switches automatically to pulse maintenance charging. This function guarantees optimum performance and prevents the self-discharge of the rechargeable battery.



## CHARGE STATUS INDICATION

LED illuminates red:	Charging
LED illuminates green:	Rechargeable battery fully charged, maintenance charging
LED flashes red:	Rechargeable battery faulty

## ENVIRONMENTAL INFORMATION

The device should not be discarded in the normal household waste under any circumstances. Dispose of the device via an authorised disposal centre or your communal waste disposal facility. Observe the current applicable regulations. Contact your waste disposal facility in the event of any doubt. Dispose of all packaging materials via an environmentally friendly disposal facility. Rechargeable batteries must not be disposed of in the household waste. Return used rechargeable batteries to your dealer or hand them in to a battery collection facility.

## MAINTENANCE / CARE

In order to ensure that the device continues to work without problems, please keep the contacts of the charger and the rechargeable batteries free of dirt and contaminants. Clean the device only when the mains plug is removed from the mains power and with a dry cloth.

## TECHNICAL DATA

Input:	100-240V AC / 50-60Hz / max. 70mA
Charge current:	70mA / rechargeable battery
Max. chargeable capacity:	420mAh / rechargeable battery

## LIMITATION OF LIABILITY

The information contained within these operating instructions can be changed without prior notification. ANSMANN accepts no liability for direct, indirect, incidental or other damage or consequential damage arising though

improper handling or through disregard of the information contained within these operating instructions.

#### **GUARANTEE INFORMATION**

The device has a three year guarantee. The guarantee does not apply to damage to the device arising through a failure to comply with the operating instructions or due to poor-quality rechargeable batteries.

Subject to technical changes. We assume no liability for printing errors.  
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