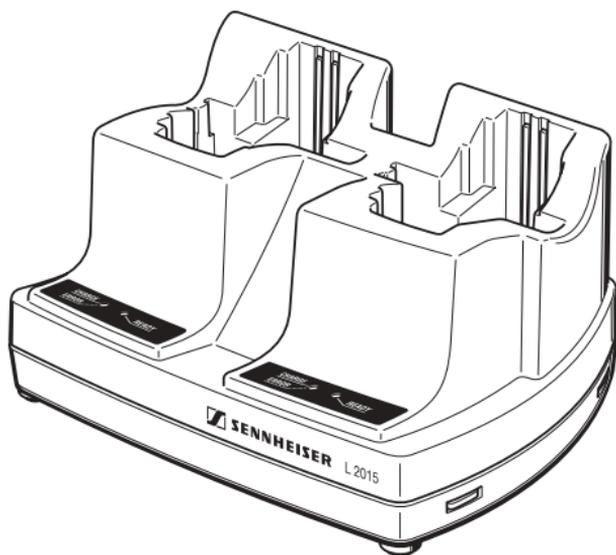


L 2015

Instructions for use



Safety instructions



Only use the L 2015 charger for charging the BA 2015 accupack! Never try to charge other rechargeable batteries or non-rechargeable batteries!



Keep liquids and small parts away from the unit!
Never use the unit in humid environments!

Keep the accupack contacts and the contacts of the charger clean! For cleaning, disconnect the unit from the mains! Use a brush or a slightly damp cloth for cleaning the unit. Do not use any solvents or cleansing agents!



Do not set up the unit near any heat sources and never expose it to direct sunlight! Make sure that the air vents of the unit are not covered or blocked!



Dispose of exhausted rechargeable batteries which cannot be recharged as special waste or return them to your specialist dealer.

Ni-MH

The L 2015 quick charger

The L 2015 quick charger must only be used for automatically charging BA 2015 accupacks – individual rechargeable battery cells or primary cells **cannot** be charged! The BA 2015 accupack is suitable for units of the Sennheiser ew G2 series and the System 2015.

The bodypack receivers (EK) and transmitters (SK) of the Sennheiser ew 300 G2 and ew 500 G2 series and the System 2015 have special charging contacts, i.e. these units can be charged with the accupack inserted. When placed into the charger, the SK and EK automatically switch off (exception: the EK 300 IEM must be switched off manually).

Features of the charger:

- Quick charge in approx. 2½ hours (with completely discharged accupacks and room temperature).
- Automatic detection of full charge and subsequent switching to trickle charge so the accupacks can remain in the charger even when they have been fully charged.
- Highest possible operational reliability, since correct insertion, temperature and voltage of the accupacks are monitored during charging.
- Long accupack service life because of overcharge protection and recovery of deep-discharged accupacks.
- Up to two accupacks can be charged in any possible combination – i.e. accupacks can be charged in an EK or SK or separately.

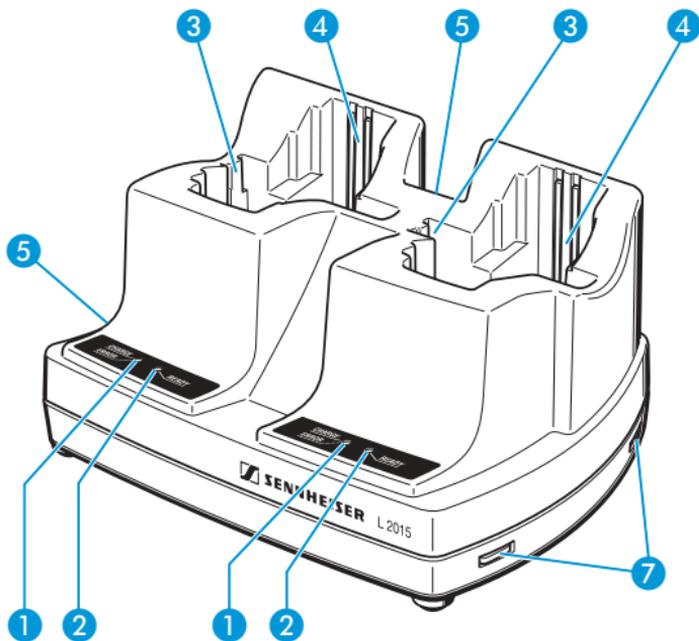
- Up to three chargers can be cascaded together to form a larger charging station which can be powered by a common mains unit.

Delivery includes

- L 2015 quick charger
- Instructions for use

Suitable mains units are available as accessories (see "Accessories" on page 29).

Operating controls



- 1 Red LED CHARGE/ERROR (2 x)
- 2 Green LED READY (2 x)
- 3 Charging compartment for BA 2015 accupack (2 x)
- 4 Charging compartment for SK/EK of the ew 300 G2 or ew 500 G2 series and the System 2015 (2 x)
- 5 Air vents
- 6 DC socket for connection of mains unit
- 7 Guiding slot with internal rail (2 x)

LED indications

Each charging compartment has two LEDs which indicate the following operating states:

No LED lit: The charging compartment is ready for operation (provided that the charger is connected to the mains), no accupack is identified.

All LEDs briefly light up one after the other: The charger has been connected to the mains and is carrying out a self test.

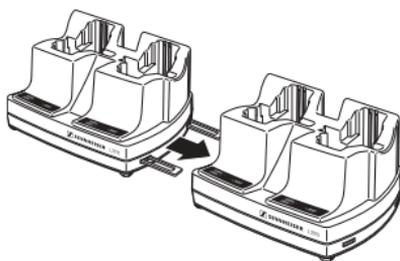
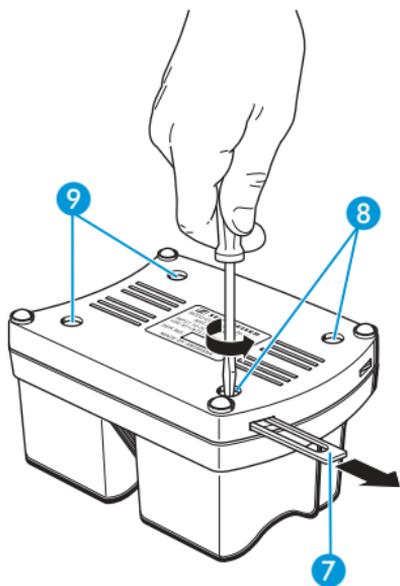
Red LED ① lit: The accupack is being charged.

Red LED ① flashing: A problem has occurred (see "If problems occur..." on page 27).

Green LED ② lit: The accupack is fully charged and the charger has switched to trickle charging.

Cascading several chargers

- ▶ Make sure that the charger is disconnected from the mains.
- ▶ Unscrew the two screws **8** at the right bottom side of the charger.
- ▶ Slide the two rails **7** out of the guiding slots and screw them tight using the two screws **8**.
- ▶ Unscrew the two screws **9** at the left bottom side of the second charger.
- ▶ Slide the second charger onto the rails of the first charger and screw the rails tight using the two screws **9**.



Up to three chargers can be cascaded together with the rails and can be powered by a common mains unit.

Numbers of chargers

1
up to 3

Mains unit required

NT 1
NT 3

Setting up the charger

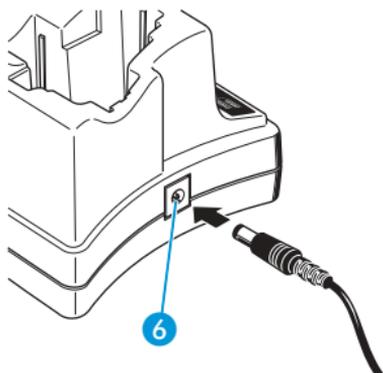
The charger has four plastic feet to ensure that it cannot slip on the surface on which it is placed.

Attention!

Some furniture surfaces have been treated with varnish, polish or synthetics which might cause stains when they come into contact with other synthetics. Despite a thorough testing of the synthetics used by us, we cannot rule out the possibility of staining.

Switching the charger on or off

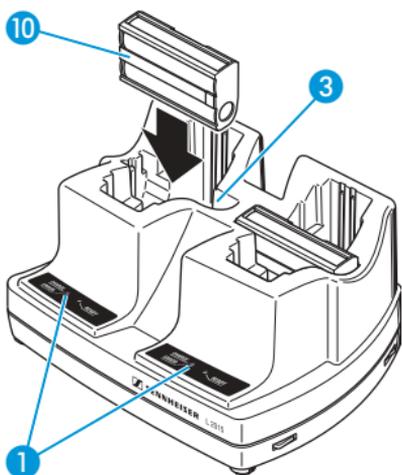
- ▶ To switch the charger on, insert the hollow jack plug on the cable of the mains unit (mains unit must be ordered separately) into socket 6.
- ▶ Connect the mains unit to the mains.
All LEDs briefly light up one after the other.



Charging the BA 2015 accupack

- ▶ Insert the accupack ⑩ into one of the two charging compartments ③ as shown. The red LED ① at the occupied charging compartment lights up.

Charging a completely discharged accupack takes approx. 2½ hours at room temperature. It is normal for the accupacks to get warm during charging.



However, the charging process may take longer if:

- the accupack is deep-discharged and first has to be re-conditioned by a deep discharge recovery charge,
- the ambient temperature is close to or over 40 °C, since, in order to protect the accupack, the charging process will be interrupted until the accupack temperature has fallen to an admissible value.

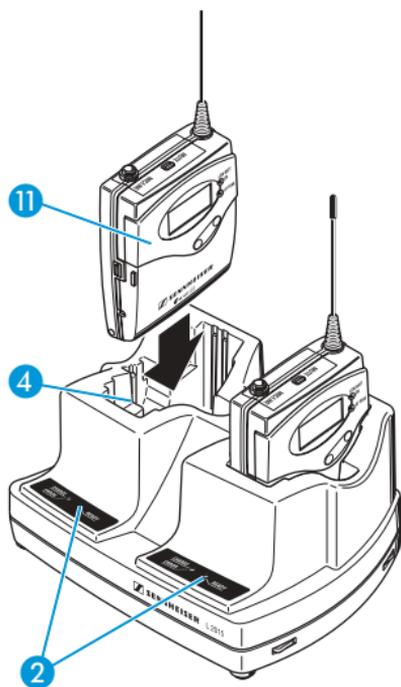
For safety reasons, the charging process will be interrupted and the red LED ① will start flashing if:

- excessively hot accupacks cannot cool down,
- an accupack cannot be fully charged within the max. charging time of 6 hours, e.g. due to overaged cells.

- ▶ After the accupack has been fully charged, the green LED ② lights up.

Note:

For charging, the accupacks can remain in the bodyback transmitter (SK) or receiver (EK). Place the unit ⑪ with the accupack inserted into the charging compartment ④ as shown. When placed into the charger, the EK/SK automatically switches off (except for EK 300 IEM).



If problems occur...

If a red LED starts flashing, one of the following errors has occurred at the corresponding charging compartment:

- No contact with the accupack (contacts are dirty or accupack is not inserted correctly):
Clean the contacts or insert the accupack correctly.
- Accupack is defective (overaged or defective rechargeable battery cells):
Replace the accupack.
- Accupack temperature is too low or too high:
Always charge the accupack at room temperature.
- Batteries (primary cells) or individual rechargeable batteries have been inserted:
Only charge the BA 2015 accupack!

Care and maintenance

Use a slightly damp cloth to clean the switched-off charger from time to time. Use a brush or similar to remove dust from the charging compartments. Do not use any cleansing agents or solvents.

Specifications

Input voltage: 12 V DC via hollow jack socket

Hollow jack: 

Input current: max. 750 mA

Charging voltage: 2 x 2.9 V

Charging current: 2 x 700 mA

Charging principle: $-\Delta U$ method
Deep discharge recovery charge
Trickle charge
Accupack temperature monitoring
Over/undercharge detection
Charging time limit (max. 6 h)

BA 2015 battery type: 2 x 1.2 V 1500 mAh, NiMH

Charging time: approx. 2.5 h with a totally discharged accupack and at room temperature,
automatic security switch-off after 6 h at the latest

Operating temperature: 0–40 °C

Dimensions: approx. 145 x 80 x 110 mm

Weight: approx. 310 g

Accessories

- BA 2015** Accupack for powering units of the Sennheiser ew G2 series and the System 2015
- NT 1** Mains unit for powering a single L 2015 charger
- NT 3** Mains unit for powering up to three cascaded L 2015 chargers

ENGLISH

The guarantee period for this Sennheiser product is 24 months from the date of purchase. Excluded are accessory items, rechargeable or disposable batteries that are delivered with the product; due to their characteristics these products have a shorter service life that is principally dependent on the individual frequency of use.

The guarantee period starts from the date of original purchase. For this reason, we recommend that the sales receipt be retained as proof of purchase. Without this proof (which is checked by the responsible Sennheiser service partner) you will not be reimbursed for any repairs that are carried out.

Depending on our choice, guarantee service comprises, free of charge, the removal of material and manufacturing defects through repair or replacement of either individual parts or the entire device. Inappropriate usage (e.g. operating faults, mechanical damages, incorrect operating voltage), wear and tear, force majeure and defects which were known at the time of purchase are excluded from guarantee claims. The guarantee is void if the product is manipulated by non-authorized persons or repair stations.

In the case of a claim under the terms of this guarantee, send the device, including accessories and sales receipt, to the responsible service partner. To minimise the risk of transport damage, we recommend that the original packaging is used. Your legal rights against the seller, resulting from the contract of sale, are not affected by this guarantee.

The guarantee can be claimed in all countries outside the U.S. provided that no national law limits our terms of guarantee.



Konformitätserklärung

Sennheiser electronic GmbH & Co. KG erklären, dass dieses Gerät die anwendbaren CE-Normen und Vorschriften erfüllt.

Approval

Sennheiser electronic GmbH & Co. KG declare that this device is in compliance with the applicable CE standards and regulations.

Certification

Sennheiser electronic GmbH & Co. KG déclarons que cet appareil est en conformité avec les normes CE.

Certificazione

Sennheiser electronic GmbH & Co. KG dichiara che questo apparecchio risponde alle normative e alle prescrizioni CE applicabili.

Autorizacion

Sennheiser electronic GmbH & Co. KG declara que este aparato cumple las normas y directrices de la CE aplicables.

Vergunning

Sennheiser electronic GmbH & Co. KG verklaren, dat dit toestel voldoet aan de toepasselijke CE-normen en voorschriften.



Sennheiser electronic GmbH & Co. KG
30900 Wedemark, Germany
Phone +49 (5130) 600 0
Fax +49 (5130) 600 300
www.sennheiser.com