

OPERATING INSTRUCTIONS

SIR C 50

Charging and Storage Case

Printed in Germany

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For further information about our products please go to our website:

<http://www.beyerdynamic.com>

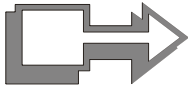
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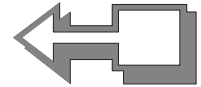


CAUTION

**DANGER OF ELECTRIC SHOCK
DO NOT OPEN DEVICES!**

Do not open housing with mains cable connected.

Maintenance operations may only be done by
qualified personnel.



Our equipment and installations have been built and tested according to the latest state of the art. In general conditions they do not require any special maintenance.

However, please be aware of the following:

- Positioning** - secure and stable position of the equipment
- Ventilation** - operate equipment with proper ventilation. Avoid heat sources such as heating radiators etc.
- Mains connection** – pass all power cables so that they will not be damaged
- Cable connections** - avoid trip-traps
- Liquids** - avoid penetration of liquids into the housing
- Power sockets** - operate equipment only with power sockets that are connected to ground according to the relevant specifications and regulations

Warning: Never expose equipment to rain or humidity

Rough handling of the equipment, such as strong shocks or vibrations, may result in damages. Inappropriate handling and storage, which does not conform to the operating instructions, may also lead to equipment damages.

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About this manual

Symbols

The meaning of the symbols and fonts used in this manual:



Indicates an important note, if not minded, the functionality of the unit, the security of your data, or your health are put at risk.



Supplementary information, remarks, and tips follow this symbol.



When first charging new devices smells can arise. Pay attention therefore to sufficient ventilation.



Text which follows this symbol describes activities that must be performed in the order shown.

Texts in **bolded** letters require your special attention.

Important remarks

For customers in the EU and in the USA

The equipment is complying with the standards of the CE regulations. These standards are specified to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment can radiate radio frequency energy and if not installed and used according to the user manual it may cause harmful interference to radio communications. Any changes or modifications which are not explicit approved in this manual could void your authority to operate this equipment.

The equipment must be connected to ground!

Safety

Check that the operating voltage of the unit is identical with the voltage of your local power supply. If a voltage conversion is required, consult your beyerdynamic dealer or qualified staff.

Should any liquid or solid object fall into the housing, unplug the unit and let it check by qualified staff before further operations. Unplug the unit from the power outlet or set the mains power switch to OFF if it's not used for several days. To disconnect the cord, pull it out holding the plug. Never pull the cord itself.

Installation

Allow proper air circulation to prevent internal heat accumulation. Do not place the unit on a surface that may block the ventilation holes.

Do not install the unit in a location near heat sources or in a place exposed to direct sunlight, excessive dust, humidity, mechanical vibration or shock.

Do not install the unit when it is changed from cold outside to warm inside. In this case wait approx. 1 hour until temperature is even-tempered.

After loading over several hours (e.g. over night) the devices can get very warm.

Cleaning

To keep the housing in its original condition, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use organic solvents such as thinners or abrasive cleaners as these will damage the cabinet.

Repacking

If possible save the original shipping carton and packing material; they will become useful if you ever have to ship the unit. In this case please keep the manual and the unit together. For maximum protection, re-pack the unit as originally packed by the factory.

If not supplied with the equipment, a complete transport and storage box system is available from beyerdynamic. We recommend using this system for long-term protection and care.

General

Please keep this manual together with the SIR C 50 storage tray. If you pass on the unit to other parties, please include this manual.



Please read the manual carefully, taking special care when you see this symbol as it indicates important information!



This product is conforming to the rules of the following European directive:
89/336/EWG

Council directive to the alignment of the rules of rights of all member states about the electromagnetic compatibility, modified through RL 91/263/EWG, 92/31/EWG and 93/68/EWG of the council. Further information is available on request.



In no case it is allowed to charge SIR 320 receivers with disposable batteries or without any batteries!



The warranty will expire, if you cause defectives by inappropriate use or handling of the unit.

Introduction



The SIR C 50 case is designed for the storage and transport of 50 SIR 320 receivers.

The SIR C 50 case comes with an external power supply to use the case for charging. No other changes would be needed.

Each receiver has two charging pins which come into contact with the charging set's respective contact points when a receiver is placed into one of the case's charging trays. After the receivers have been in use for a whole day, it is recommended that they are recharged overnight (for approx. 14 hours). A longer charging time will not harm the rechargeable batteries.

All the charging trays and receivers are serially numbered.

This makes it possible to keep tabs on the distribution and return of the receivers. It is also a means of ensuring that all units that have been used are recharged regularly even at very big events.

The storage tray is set into a robust case with a detachable lid. The case is designed to be secured by a padlock and fitted with a sturdy fold-away handle for lifting and carrying purpose.

Contents of basic delivery

- TK50 storage tray
- This manual
- Power supply

SIR Infrared system components

The SIR C 50 storage tray operates as a single component in a wide system; a complete SIR Infrared system also may contain the following components:

IR-transmitter SIR 800 (to modulate audio input)

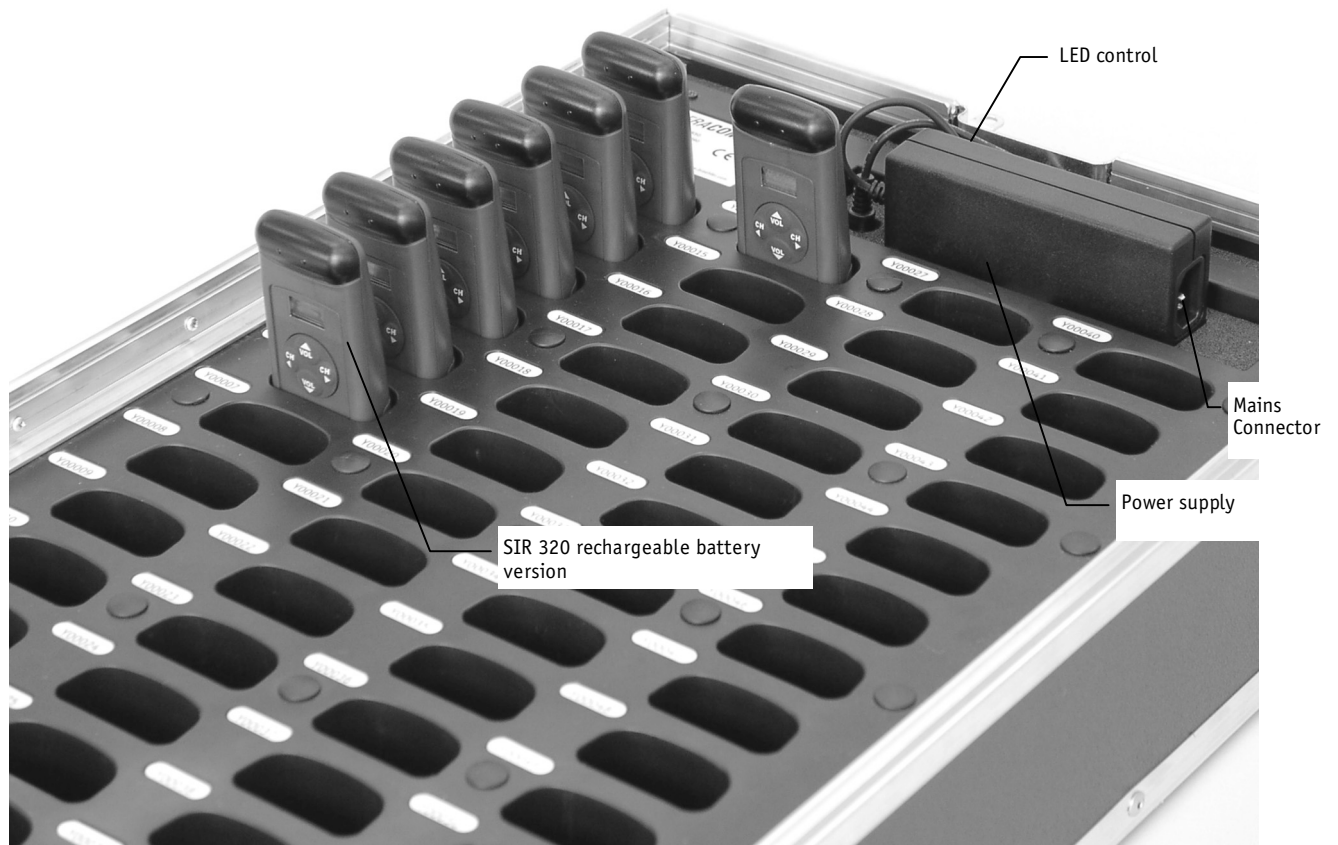
IR-radiator e.g. SIR 801 (to transmit modulated audio by infrared light)

IR-receiver SIR 320 with headphone (to receive infrared light and convert to audio output)

Operating controls

View

In case of using the SIR C 50 for SIR 320 receivers equipped with recharging batteries, only plug in the additional power supply to mains power. The SIR C 50 is ready for use.



A fully loaded SIR 320 receiver indicates a current value between 39 and 42 in the service mode (bA39 ... bA42). This corresponds to a capacity of 80% and 100%. For more details concerning the service mode of the SIR 320 receiver please consult the SIR 320 manual.



In no case it is allowed to charge SIR 320 receivers with disposable batteries or without any batteries!

Technical data

This product complies with international standards **IEC914** and **IEC61603-3**

SIR C 50 Transportation Case

- Lockable transport case
- Removable lid
- Sturdy fold-away handle
- 50 (52) storage trays
- Dimensions (W x D x H): (640 x 410 x 220) mm
- Weight without receivers: 11.5kg (approx.)
- Internal power supply plug
- Dimensions of power supply tray (W x D x H): (132 x 58 x 30) mm
- External Power Supply
AC: 100 - 240V, 47 - 63Hz CSA/UL approved AC -
Inlet IEC320/C14 „short cut protected“ 12VDC / 8.3A / 100W
- Mains cable fitted with Euro plug 1.5m

Operation

Starting the charging procedure

Before starting up the system please check the local supply voltage. It has to match to the switching power supply (100 to 240VAC).

Connect the power supply to the mains voltage. The green LED light up for proper working.



We recommend the following procedure for a long life of recharging batteries:

Avoid charging more than 48 hours to save the rechargeable batteries and to minimize the "memory effect".

After a storage period of 1 to 2 month, we recommend charging cycles of 24 hours all 2 weeks.

The optimum storage temperature is between 10° to 30°C. An ambient temperature above 50° C will reduce durability and capacity of the rechargeable batteries during storage and charging.

After transport from colder to warmer ambience please wait about one hour before charging. This is necessary for acclimatization on ambient temperature.

A long period of charging about weeks/month does not result in overloading, but has to be avoided in regard of memory effect and sensitivity of temperature.

Trouble shooting

Error description	Error cause	Error solution
Switching on the system produces no POWER ON condition (green LED does not light up)	<p>The mains cable connector is not properly connected to the corresponding socket of the unit</p> <p>Connection cable possibly defective</p>	<p>Check if there is no connection to the mains power</p> <p>Replace a new mains cable</p>
Although mains power is plugged in (LED on) the receivers/handhelds are not charged	Secondary voltage of power supply has no connection to the trays (DC plug)	Check the connector (DC plug) of the power supply output. The plug must be firmly connected

Warranty

beyerdynamic GmbH & Co. KG provides you with two years' guarantee on brand-new devices from the date of purchase. Please save your sales receipt and this guarantee supplement. Without this proof repairs can fundamentally only be carried out for a charge. The guaranteeing includes materials and working time for the elimination of demonstrable defects in material or workmanship. The guarantee claim is void in the case of operating errors, improper operation, electric and mechanical damage, as well as in the case of improper repairs by unauthorised workshops.

Excluded from the guarantee claim are batteries and rechargeable batteries included in the delivery, as well as parts that are subject to natural wear and tear during usage, such as connecting cables, ear cups, headband pads, etc.

The guarantee can be claimed in all countries in which legal provisions do not stand in the way of the guaranteeing.

Valid in all countries in addition to the legal provisions are the guarantees provided by beyerdynamic sales locations.

beyerdynamic rejects any guarantee, if the safety label with the serial number is removed.

beyerdynamic declares itself to agree to exchange or repair defective components due to faulty materials or manufacturing, dependent on following procedure:

1) The client declares that the fault is not due to empty, discharged, wrongly inserted, or faulty batteries.

2) You may send the defective product to:

beyerdynamic GmbH Service & Logistik Center
August-Häußer-Str. 9
D-74080 Heilbronn
Germany

3) Should it turn out that the fault was caused through inattentiveness or inappropriate use, the service and shipping charges will be added to the clients account.

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