



MCW-D 10 CHARGING AND TRANSPORT CASE

Order # 462.691



FEATURES

- Modular case to accommodate the microphone units, charging electronics and discussion control unit
- Integrated, modular charger for charging 1 to 10 microphone units
- Simultaneous charging of all batteries without a previous discharge being necessary
- Processor-controlled charging electronics to prevent the "memory effect" of the battery
- Reliable charging electronics ensures immediate use of the microphone units
- Control LEDs for the charging status

DESCRIPTION

The MCW-D 10 is a modular charging and transport case. The basic version consists of a cover (LD 10), a charging unit (LE-D 10) for 10 microphone units and a bottom with wheels (LB 10). The MCW 100 discussion control unit can be accommodated in the empty compartment (LA 10). The MCW 200 can be integrated into the case as a system unit. Each charging unit has the charging electronics and 10 compartments for the microphone units. On both sides there are handles for comfortable carrying. It is recommended to use not more than two LE 10 charging units on top of each other, because the top might become too heavy.

The body of the case is made of plywood with a washable foil inside and grey laminate outside. The coloured surface is flecked with grey. The case is equipped with ball-bearing casters with a diameter of 80 mm. Two of the wheels are equipped with brakes. Silver anodized aluminium profiles protect the edges from shocks and ensure an exact fitting of the individual sections. There are four locking chromium-plated automatic locks per section.

For charging the microphone units are put into the charging facilities. Gold-plated and shock-mounted charging contacts ensure the electric connection between microphone unit and charging electronics. The charger is equipped with a protection against confusing the poles. The charger has a real processor-controlled charging electronics with software-controlled charging curve. All batteries are charged simultaneously. After approximately 1 hour the battery is fully charged, depending on the previous use. The charging state of the batteries is indicated by LEDs. The memory effect is avoided due to the impulse charging with variable pulse duration. The fully charged battery is switched off by "Delta-Peak-identification". To avoid a self-discharge of the batteries, trickle charging is carried out every 72 hours. So each microphone unit has its full capacity at any time. Therefore, beyerdynamic recommends the charger being connected to the mains permanently.

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ARCHITECT'S SPECIFICATIONS

Charging and transport case for up to 10 microphone units. Can be extended with more charging units for 10 microphone units each, empty compartments and control unit. Integrated modular charging electronics. Microphone section with handles. Body of the case made of plywood. Washable foil inside. Grey laminate outside. Coloured surface flecked with grey. Ball-bearing casters; two of the wheels with brakes. Silver anodized aluminium profiles. Locking automatic locks per section. Gold-plated and shock-mounted charging contacts. Processor-controlled charging electronics with protection against confusing the poles. Software-controlled charging curve, variable impulse width charge against memory effect. Charging switched off by "Delta-Peak-Identification". Automatic trickle charge every 72 hours. Charging of NiMH batteries with 12 cells. Simultaneous charging of all batteries in the microphone units with a max. time of 2 hours for an empty battery. Dimensions (WxHxD): 657x668x370mm.

Manufacturer: beyerdynamic
Type: MCW-D 10

Empty compartment. Inside with formed foam material for 19" devices with a height of max. 3 HU. Coloured surface flecked with grey. Silver anodized aluminium profiles. Locking automatic locks. Dimensions (WxHxD): 657x324x370mm.

Manufacturer: beyerdynamic
Type: LA 10

19" mounting compartment, 6 HU. To accommodate 19" devices. With integrated passive ventilation panels. Movable 19" profile bars for flush or moved mounting. Cover is available as an option. Coloured surface flecked with grey. Silver anodized aluminium profiles. Locking automatic locks. Dimensions (WxHxD): 657x451x370mm.

Manufacturer: beyerdynamic
Type: LM 10

Front cover for LM-10 19" mounting compartment with 4mm safety glass, crystal-clear. Can be also fitted with a lock as an option. Hinges at the ventilation panel to mount the cover at the top side of the mounting compartment.

Manufacturer: beyerdynamic
Type: LM 10 T

TECHNICAL SPECIFICATIONS

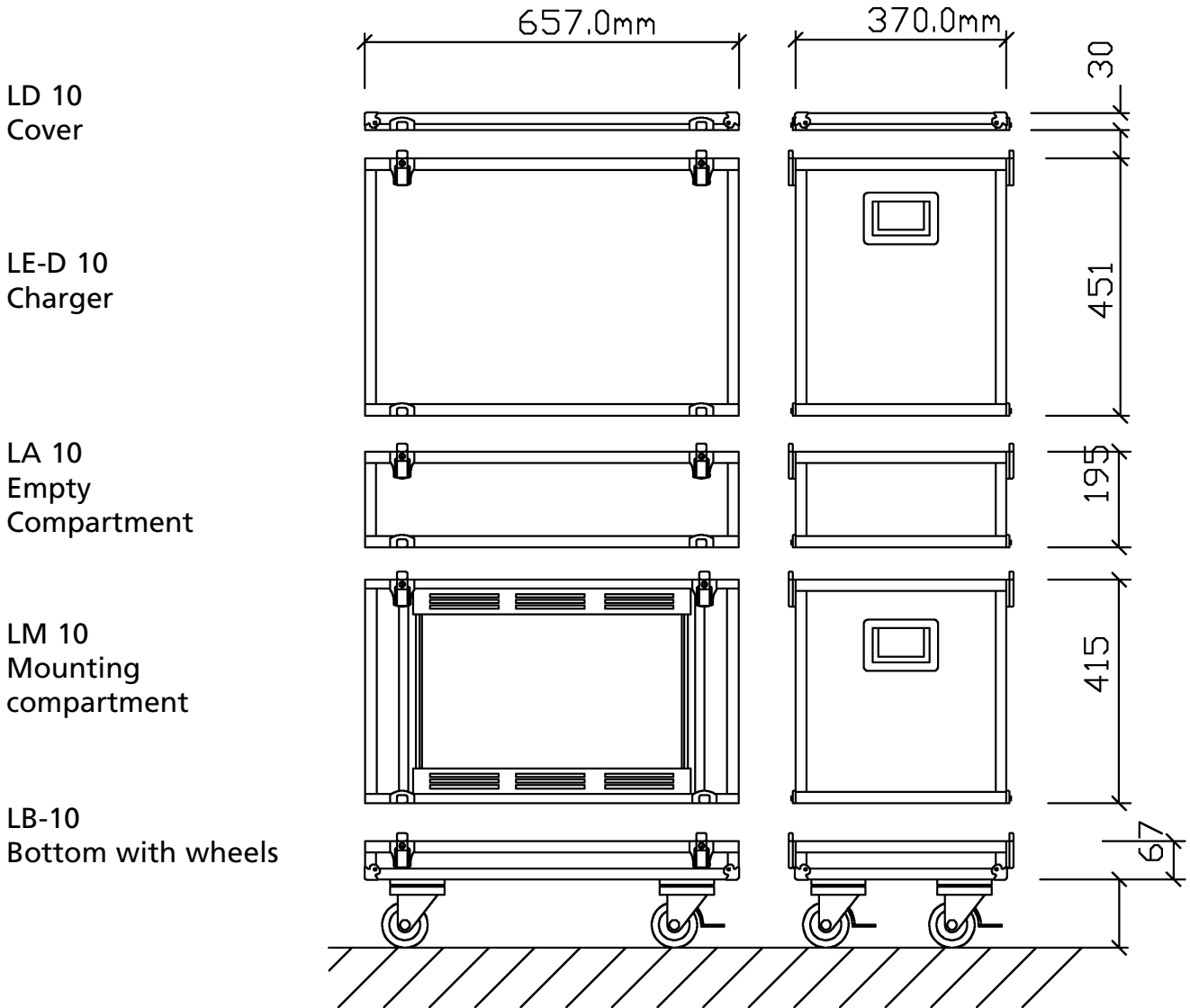
LE-D 10 Charger for MCW-D 10

Max. charging current	950 mA
Power supply	100 - 240 V AC~, 50 / 60 Hz
Charging principle	software controlled charging curve, variable impulse charging, re-charging after 72 hrs.
Rechargeable battery	NiMH, 12 cells, 14.4 V, 1600 mAh
Switching-off	Δ U-recognition and safety timer
Fuse at the mains socket	Fuse value is visible on the inside of the fuse holder
Power consumption	275 W (at 1.2 A rated current consumption)
Max. ambient temperature	40°C when charging (< 90% atmospheric humidity)
Storage temperature	-20° - 55°C
Ventilator	switched on automatically
Charging unit	10 microphone units parallel
Charging time	max. 2 hours when the battery is completely empty
Min. charging time in the "forming" mode	30 minutes
LED-indication when battery is charged:	
a) <u> </u> <u> </u> <u> </u> <u> </u> LED is flashing slowly:	Battery is charged
b) <u> </u> LED illuminates permanently:	Battery is full
c) <u>-----</u> LED is flashing very rapidly:	Error
d) LED is off:	No microphone unit is inserted into charging compartment or has no contact
e) <u> </u> <u> </u> <u> </u> <u> </u> LED flashes rapidly:	Forming mode
f) <u>.-.-.-.-.-</u> LED long flash/short flash:	Charging in the forming mode
Dimensions (L x W x H).	657 x 370 x 451 mm

DIMENSIONS

MCW-D 10 Case

Height depends upon the number of modular units
 Width 657 mm
 Depth 370 mm



OPTIONAL ACCESSORIES

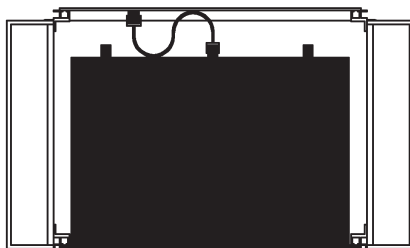
LD 10	Cover	Order # 458.686
LE-D 10	Charger for max. 10 microphone units.	Order # 462.683
LB 10	Bottom with wheels	Order # 458.716
LA 10	Empty compartement for MCW-D control unit	Order # 458.708
LM 10	Mounting compartment, 19", 6 U	Order # 551.686
LM 10 T	Transparent cover for LM-10.	Order # 471.933

INSTALLATION OF LM 10

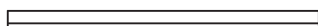
Installation variant 1

Installation variant 2

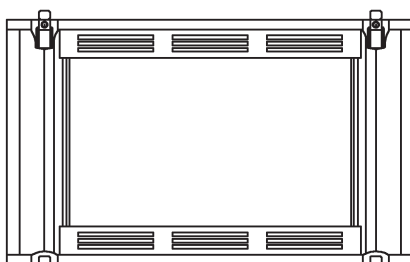
Top view



As an option:
Transparent cover



Front view
6 HU for installation
2 x 1 HU ventilation panel



Installation 1

The devices are flush-mounted from the front. On the rear of the LM-10 antenna connecting panels and blind panels can be mounted to the 19" profiles. There is enough room for the internal cabling.

Installation 2

The 19" profiles are moved backwards for the installation from the front. The installation of the MCW-D 100/200 and MCS 50/100 LF is made flush with the rear. The connections of the devices are accessible without any problems.

Transparent cover

To mount the optional transparent cover the ventilation panel on top is replaced by a ventilation panel with hinges. The transparent cover can be mounted to these hinges. As an option the transparent cover can be fitted with a lock.