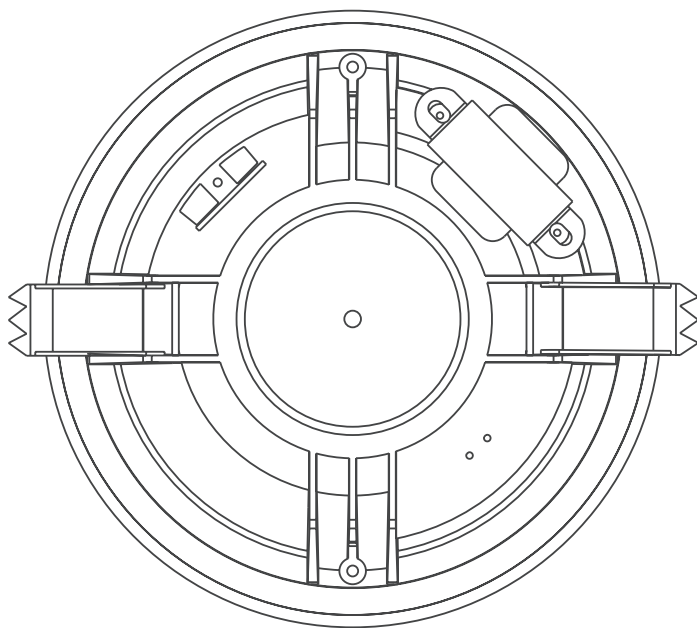


USER'S MANUAL  
BEDIENUNGSANLEITUNG  
MANUEL D'UTILISATION  
MANUAL DE USUARIO  
INSTRUKCJA OBSŁUGI  
MANUALE D'USO

**LDsystems** 



# CE C6 / CE C8

FRAMELESS 6" / 8" CEILING LOUDSPEAKER

LDCEC6 / LDCEC8

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## YOU MADE THE RIGHT CHOICE!

This device was developed and manufactured under high quality requirements to ensure many years of trouble-free operation. This is what LD Systems stands for with its name and many years of experience as a manufacturer of high-quality audio products. Please read these operating instructions carefully so that you can quickly and optimally use your new LD Systems product. You can find more information about **LD Systems** on our website [WWW.LD-SYSTEMS.COM](http://WWW.LD-SYSTEMS.COM)

## ABOUT THIS MANUAL

- Read the safety instructions and the entire manual carefully before commissioning.
- Observe the warnings on the unit and in the operating instructions.
- Always keep the operating instructions within reach.
- If you sell or pass on the appliance, be sure to hand over these operating instructions as well, as they are an essential part of the product.

## INTENDED USE

The product is a device for professional audio installation! The product has been developed for professional use in the field of audio installation and is not intended for use in households! Furthermore, this product is intended for installation by qualified persons with specialist knowledge and for operation by instructed persons! The use of the product outside the specified technical data and operating conditions is considered as not intended! Liability for damages and third party damages to persons and property due to non-intended use is excluded!

The product is not suitable for:

- Persons (including children) with limited physical, sensory or mental capabilities or lack of experience and knowledge.
- Children (children must be instructed not to play with the device).

## EXPLANATIONS OF TERMS AND SYMBOLS

1. **DANGER:** The word DANGER, possibly in combination with a symbol, indicates immediately dangerous situations or conditions risking life and limb.
2. **WARNING:** The word WARNING, possibly in combination with a symbol, indicates potentially dangerous situations or conditions for life and limb.
3. **CAUTION:** The word CAUTION, possibly in combination with a symbol, is used to indicate situations or conditions that may lead to injury.
4. **ATTENTION:** The word ATTENTION, possibly in combination with a symbol, refers to situations or conditions that can lead to damage to property and/or the environment.



This symbol identifies hazards that can cause electric shock.



This symbol identifies hazardous areas or hazardous situations.



This symbol indicates hazards caused by hot surfaces.



This symbol indicates dangers due to high volume levels.



This symbol indicates additional information on the operation of the product.



This symbol denotes a device that does not contain any user-serviceable parts.



This symbol indicates a device that may only be used in dry rooms.

## SAFETY INSTRUCTIONS



### DANGER:

1. Do not open the device and do not make any modifications.
2. If your device no longer functions properly, if liquids or objects get inside it or if it has been damaged in any other way, switch it off immediately and disconnect it from the mains. The device may be repaired only by authorised repair technicians.
3. For devices of protection class 1 the protective conductor must be connected correctly. Never disconnect the protective conductor. Devices of protection class 2 do not have a protective conductor.
4. Ensure that live cables are not kinked or otherwise mechanically damaged.
5. Never bypass the device fuse.



### WARNING:

1. The device may not be operated if it shows obvious signs of damage.
2. The device may only be installed in a voltage-free state.
3. If the power cable of the device is damaged, do not operate the device.
4. Permanently attached power cables may only be replaced by a qualified person.



### ATTENTION:

1. Do not operate the device if it has been exposed to large temperature fluctuations (for example, after transport). Moisture and condensation can damage the device. Switch on the device only when it has reached ambient temperature.
2. Make sure that the voltage and frequency of the mains supply correspond to the values indicated on the device. If the device has a voltage selector switch, do not turn the device on until it has been set correctly. Use only suitable power cables.
3. To disconnect the device from the mains at all poles, it is not sufficient to press the on/off switch on the device.
4. Make sure that the fuse used corresponds to the type specified on the device.
5. Make sure that appropriate measures have been taken against power surges (e.g. lightning strike).
6. Observe the specified maximum output current on devices with Power Out connection. Ensure that the total current consumption of all connected devices does not exceed the specified value.
7. Replace pluggable mains cables only with original cables.



### DANGER:

1. Danger of suffocation! Plastic bags and small parts must be kept out of reach of persons (including children) with reduced physical, sensory or mental capabilities.
2. Danger caused by falling device! Make sure that the device is securely installed and cannot fall down. Only use suitable stands or mounts (particularly for fixed installations). Ensure that accessories are properly installed and secured. Ensure that all applicable safety regulations are observed.



### WARNING:

1. Use the device in the prescribed manner only.
2. Operate the device only with the accessories recommended and intended by the manufacturer.
3. During installation, observe the safety regulations applicable in your country.
4. After connecting the device, check all cable routes to avoid damage or accidents, e.g. due to tripping hazards.
5. Always observe the specified minimum distance to normally flammable materials! Unless explicitly stated, the minimum distance is 0.3 m.



### CAUTION:

1. In the case of moving components such as mounting brackets or other moving components, there is a possibility of jamming.

**ATTENTION:**

1. Do not install or operate the device near any radiators, storage heaters, stoves or other heat sources. Ensure that the device is always installed in such a way that it is sufficiently cooled and cannot overheat.
2. Do not place ignition sources such as lighted candles near the device.
3. Ventilation openings must not be covered and fans must not be blocked.
4. Use the original packaging or packaging provided by the manufacturer for transport.
5. Avoid shock or impact to the device.
6. Observe the IP protection class as well as the ambient conditions such as temperature and humidity according to the specification.
7. Devices can be continuously further developed. In the event of any discrepancies between the operating instructions and the device labelling with regard to operating conditions, performance or other device characteristics, the information on the device always takes precedence.
8. The device is not suitable for tropical climates and for operation above 2000 m above sea level.

**CAUTION:**

Connecting signal cables can cause significant interference noise. Make sure that devices connected to the output are muted when plugged in. Otherwise, noise levels may cause damage.

**CAUTION: HIGH VOLUME AUDIO PRODUCTS!**

This device is designed for professional use.

The commercial operation of this device is subject to the applicable national regulations and guidelines for accident prevention. Hearing damage due to high volume and continuous exposure: Use of this product may generate high sound pressure levels (SPL) that may cause hearing damage. Avoid exposure to high volumes.

**INSTRUCTIONS FOR INDOOR INSTALLATION EQUIPMENT**

1. Devices for installation applications are designed for continuous operation.
2. Devices for indoor installation are not weather-resistant.
3. Surfaces and plastic parts can age even in installation equipment, e.g. due to UV radiation and temperature fluctuations. This generally does not impair functionality.
4. With permanently installed devices, the accumulation of impurities, e.g. dust, is to be expected. Always observe the care instructions.
5. Unless explicitly stated otherwise on the device or in the technical data, the devices are intended for installation heights of less than 5 m.

**PACKAGING CONTENT**

Remove the product from the packaging and remove all packaging material. Please check the completeness and integrity of the delivery and notify your distribution partner immediately after purchase if the delivery is not complete or if it is damaged.

The scope of delivery of the product **LDCEC6** includes:

- 1 x CE C6 ceiling loudspeaker
- User manual

The scope of delivery of the product **LDCEC8** includes:

- 1 x CE C8 ceiling loudspeaker
- User manual

**INTRODUCTION****CE C6**

The CE C6 is a sleek ceiling loudspeaker designed to deliver clear speech and background music with even coverage. The frameless design ensures a subtle presence, seamlessly blending with any interior. Installation is straightforward, and with 120 Hz to 18 kHz frequency response and the capability to produce up to 93 dB at 1 m, its performance is impressive. Made of ABS plastic with a aluminium grille, the CE C6 promises longevity and enduring sound quality.

**CE C8**

The CE C8 is a sleek ceiling loudspeaker, designed to deliver clear speech and background music with even coverage. The frameless design ensures a subtle presence, seamlessly blending with any interior. Installation is straightforward, and with 100 Hz to 18 kHz frequency response and the capability to produce up to 93 dB at 1 m, its performance is impressive. Made of ABS plastic with an aluminium grille, the CE C8 promises longevity and enduring sound quality.

**FEATURES****CE C6**

- Unobtrusive frameless design
- 6 W peak power
- Suitable for 100 V loudspeaker lines
- 3 W and 6 W power taps
- Easy to install

**CE C8**

- Unobtrusive frameless design
- 10 W rated power
- Suitable for 100 V loudspeaker lines
- 5 W and 10 W power taps
- Easy to install

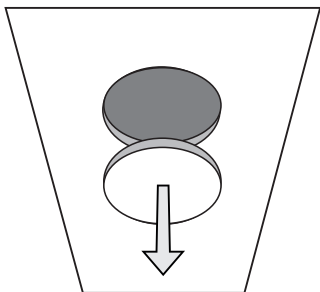
**INSTALLATION**

**DANGER:** Overhead mounting requires extensive experience, including the calculation of the load limit values of the installation material and regular safety inspection of all installation materials and devices. If you do not have these qualifications, do not attempt to perform an installation yourself. Refer instead to a qualified professional. There is a risk that devices that are incorrectly mounted and secured may come loose and fall down. This can cause serious injury or death.



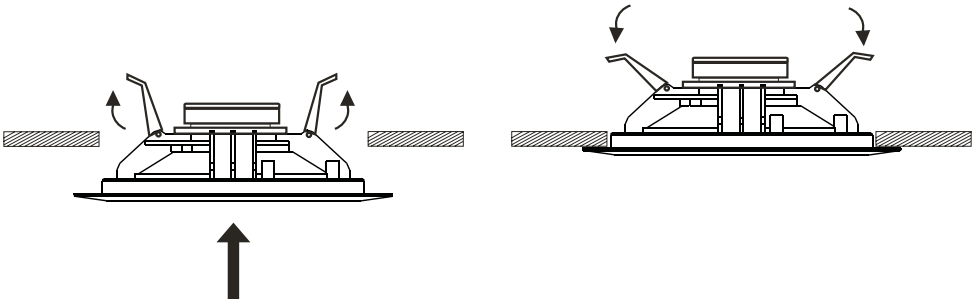
Before installation, make sure that the amplifier system to which the speaker is to be connected is switched off and that the connection cables are de-energised!

- 1 Cut a hole with a suitable diameter in the ceiling (CE C6: 170 mm, CE C8: 210 mm).



- 2 Connect the signal supply to the desired transformer tap (see tables). Fold the speaker's holding arms upwards, press the speaker into the ceiling cut-out and fold the holding arms down again.

| CE C6       |       | CE C8        |       |
|-------------|-------|--------------|-------|
| 3 W @ 100 V | white | 5 W @ 100 V  | white |
| 6 W @ 100 V | red   | 10 W @ 100 V | red   |
| COM         | black | COM          | black |



## CARE, MAINTENANCE AND REPAIR

In order to ensure the long-term, proper functioning of the device, it must be regularly cleaned and, if necessary, serviced. The servicing requirement depends on the intensity of use and the environment in which it is used. We recommend a visual inspection before each operation. Furthermore, we recommend carrying out all the applicable service measures specified below once every 500 operating hours or, in the case of a lower intensity of use, at the latest after one year. Warranty claims may be limited should defects result from inadequate service and maintenance.

### CARE (CARRIED OUT BY USER)



**WARNING!** Before carrying out any care and maintenance work, the power supply and, if possible, all device connections must be disconnected.



**NOTE!** Improper care can lead to impairment or even destruction of the device.

1. Housing surfaces must be cleaned with a clean, damp cloth. Make sure that no moisture can penetrate the device.
2. Air inlets and outlets must be regularly cleaned of dust and dirt. If compressed air is used, make sure that damage to the device is prevented (e.g. fans must be blocked in this case).
3. Cables and connectors must be cleaned regularly and dust and dirt must be removed.
4. In general, no cleaning or disinfection agents or abrasive agents may be used, as they may damage the surface finish. Solvents in particular, such as alcohol, can impair the function of housing seals.
5. Devices must generally be stored in a dry environment and protected from dust and dirt.

### MAINTENANCE AND REPAIR (BY QUALIFIED PERSONNEL ONLY)



**DANGER!** There are live components in the device. Even after disconnecting the mains connection, there may still be residual voltage in the device, e.g. due to charged capacitors.



**PLEASE NOTE!** There are no user-serviceable assemblies in the device.



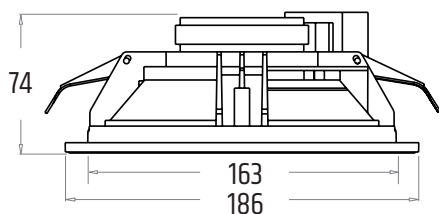
**NOTE!** Maintenance and repair work may only be carried out by specialist personnel authorised by the manufacturer. If in doubt, consult the manufacturer.



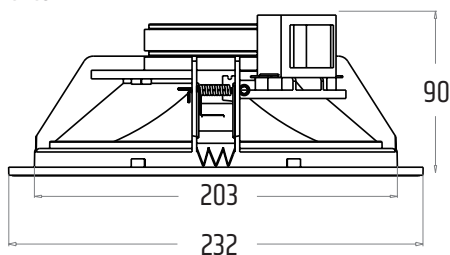
**PLEASE NOTE!** Improperly performed maintenance work may affect warranty claims.

## DIMENSIONS (MM)

CE C6



CE C8



## TECHNICAL DATA

| Product number          | LDCEC6                                    | LDCEC8                                    |
|-------------------------|---|---|
| Product type            | Installation speaker                      | Installation speaker                      |
| Type                    | Ceiling-mounted loudspeaker               | Ceiling-mounted loudspeaker               |
| Colour                  | White                                     | White                                     |
| Woofer size             | 6"  | 8"  |
| 100 V inputs            | 3 W / 6 W                                 | 5 W / 10 W                                |
| Frequency response      | 100 Hz - 15 kHz                           | 80 Hz - 15 kHz                            |
| Sensitivity (1 W / 1 m) | 93 ± 3 dB                                 | 93 ± 3 dB                                 |
| Max. load               | 6 W                                       | 10 W                                      |
| Ambient temperature     | -25 - 55°C                                | -25 - 55°C                                |
| Material                | ABS, powder coated aluminium front grille | ABS, powder coated aluminium front grille |
| Ceiling cut-out         | Ø 170 mm                                  | Ø 210 mm                                  |
| Dimensions (W x H x D)  | 186 mm x 186 mm x 74 mm                   | 232 mm x 232 mm x 90 mm                   |
| Weight                  | 0.71 kg                                   | 0.90 kg                                   |



## DISPOSAL



### Packaging:

1. Packaging can be fed into the reusable material cycle using the usual disposal methods.
2. Please separate the packaging in accordance with the disposal laws and recycling regulations in your country.



### Device:

1. This device is subject to the European Directive on Waste Electrical and Electronic Equipment, as amended. WEEE Directive Waste Electrical and Electronic Equipment. Electronic devices and batteries do not belong in household waste. The device or batteries must be disposed of via an authorised waste disposal company or a municipal waste disposal facility. Please observe the applicable regulations in your country!
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally-friendly disposal options from the vendor of the product or the appropriate regional authorities.

## MANUFACTURER'S DECLARATIONS

### MANUFACTURER'S WARRANTY & LIMITATIONS OF LIABILITY

Adam Hall GmbH, Adam-Hall-Str. 1, D-61267 Neu Anspach / E-mail [Info@adamhall.com](mailto:Info@adamhall.com) / +49 (0)6081 / 9419-0.

Our current warranty conditions and limitation of liability can be found at:

[https://cdn-shop.adamhall.com/media/pdf/MANUFACTURERS-DECLARATIONS\\_LD\\_SYSTEMS.pdf](https://cdn-shop.adamhall.com/media/pdf/MANUFACTURERS-DECLARATIONS_LD_SYSTEMS.pdf).

Contact your distribution partner for service.

### UKCA-CONFORMITY

Hereby, Adam Hall Ltd. declares that this product meets the following guidelines (where applicable):

Electrical Equipment (Safety) Regulations 2016

Electromagnetic Compatibility Regulations 2016 (SI 2016/1091)

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

Regulation 2012 (SI 2012/3032)

Radio Equipment Regulations 2017 (SI 2016/2015)

### UKCA-DECLARATION OF CONFORMITY

Products that are subject to Electrical Equipment(Safety)Regulation 2016, EMC Regulation 2016 or

RoHS Regulation can be requested at [info@adamhall.com](mailto:info@adamhall.com).

Products that are subject to the Radio Equipments Regulations 2017

(SI2017/1206) can be downloaded from [www.adamhall.com/compliance/](http://www.adamhall.com/compliance/)

### CE CONFORMITY

Adam Hall GmbH hereby confirm that this product meets the following guidelines (where applicable):

RoTTE (1999/5/EC) or RED (2014/53/EU) as of June 2017.

Low Voltage Directive (2014/35/EU)

EMC Directive (2014/30/EU)

RoHS (2011/65/EU)

The complete Declaration of Conformity can be found at [www.adamhall.com](http://www.adamhall.com).

Furthermore, you can also request it at [info@adamhall.com](mailto:info@adamhall.com).

### CE DECLARATION OF CONFORMITY

Declarations of conformity for products subject to the LVD, EMC, RoHS Directive can be requested from [info@adamhall.com](mailto:info@adamhall.com).

Declarations of conformity for products subject to RED Directive

can be downloaded from [www.adamhall.com/compliance/](http://www.adamhall.com/compliance/).

**Subject to misprints and errors, as well as technical or other modifications!**

