

# LYONFORGE

## LFC Passive Installation Speakers Instruction Manual



In Compliance with the following directives: RoHS Directive (2002/95/EU) and WEEE Directive (2002/96/EU)  
If this product is no longer functional or reaches the end of its usable life, please take it to an approved recycling plant.



Version 1.1

[www.terralec.co.uk](http://www.terralec.co.uk)

Dear Customer,

Thank you for purchasing the Lyonforge LFC Passive Speaker. This unit has been designed and manufactured to the highest standards so you can be assured you have made a good investment.

For your safety and to ensure you make full use of the product's features, please make sure you read this manual in full.

**Safety Advice:**

- Read this manual in full before operating this product.
- Keep this manual in a safe place for future reference.
- Heed all warnings and instructions, both in this manual and on the product.
- Carry and transport this product with care. Dropping this product may result in serious mechanical failure.
- The manufacturer accepts no responsibility for injury or damage caused as a result of not following the manual provided.
- Turn off amplifiers before unplugging this speaker from mains supply when not in use.
- This speaker is not waterproof and should not be used outside.
- In the event of any liquid entering the housing, unplug immediately and contact a qualified engineer.

**Protection from Electric Shock:**

- Only connect this unit to suitable amplifiers with the correct speaker cable and wiring configuration.
- Do not attempt to remove the speaker cable by pulling the mains cable.
- Cleaning should be carried out with a soft, dry cloth.
- Do not expose this unit to any liquids.
- Do not operate near exposed water or in high humidity.
- Choose a suitable route for cables, ensuring trip hazards are avoided and the cable is not at risk of being crushed.
- Do not open this unit to service. There are no user serviceable parts inside. Any servicing or repairs should be carried out by a qualified engineer only. Any attempt to service or adapt this unit will leave your warranty void and could result in serious malfunction or injury.

**Protection from Fire:**

- Do not place near sources of heat or ignition.
- Do not cover or block any ventilation holes.
- Check your AC wall socket will take the power you are applying to avoid overloading the mains supply.

**Protection from Injury and Damage:**

- Do not attempt to modify this unit.
- Check this unit matches the amplifier spec before plugging it in to your mains socket.
- In the event that any object or liquid enters the speaker, switch off immediately, remove from the mains and consult a qualified engineer.
- Should you experience any malfunction or damage to the speaker cable, disconnect from the amplifier immediately and consult a qualified engineer.
- All parts should be replaced with genuine spare parts and carried out by a qualified engineer.
- Do not attempt to insert anything into the grille.

## Contents & Unpacking:

Before beginning your initial setup, check the unit has not been damaged in transit. In the event there is damage to the housing or internal components, contact your dealer immediately.

- 1 x Speaker
- 1 x "U" Shaped Speaker Bracket
- 1 x User Manual

## Introduction:

The Lyonforge LFC Series passive loudspeakers are engineered for a wide range of background and foreground audio applications, from low-level ambient sound in retail spaces to higher output environments such as bars and school halls.

Designed with a focus on dynamic performance and extended frequency response, the LFC Series delivers consistent sound reproduction across various music genres. Each unit features a robust grille protecting the woofer and offers reliable connectivity via rear-mounted Speakon and terminal block inputs.

Available in black or white finishes, the enclosures are constructed from high-quality birch plywood, coated with a durable textured paint, and include a full-face steel grille for added durability. The LFC Series is offered in 6", 8", 10", and 12" configurations. All models incorporate a high-frequency compression driver and a precision-tuned crossover, developed and refined in the UK for optimal audio performance.

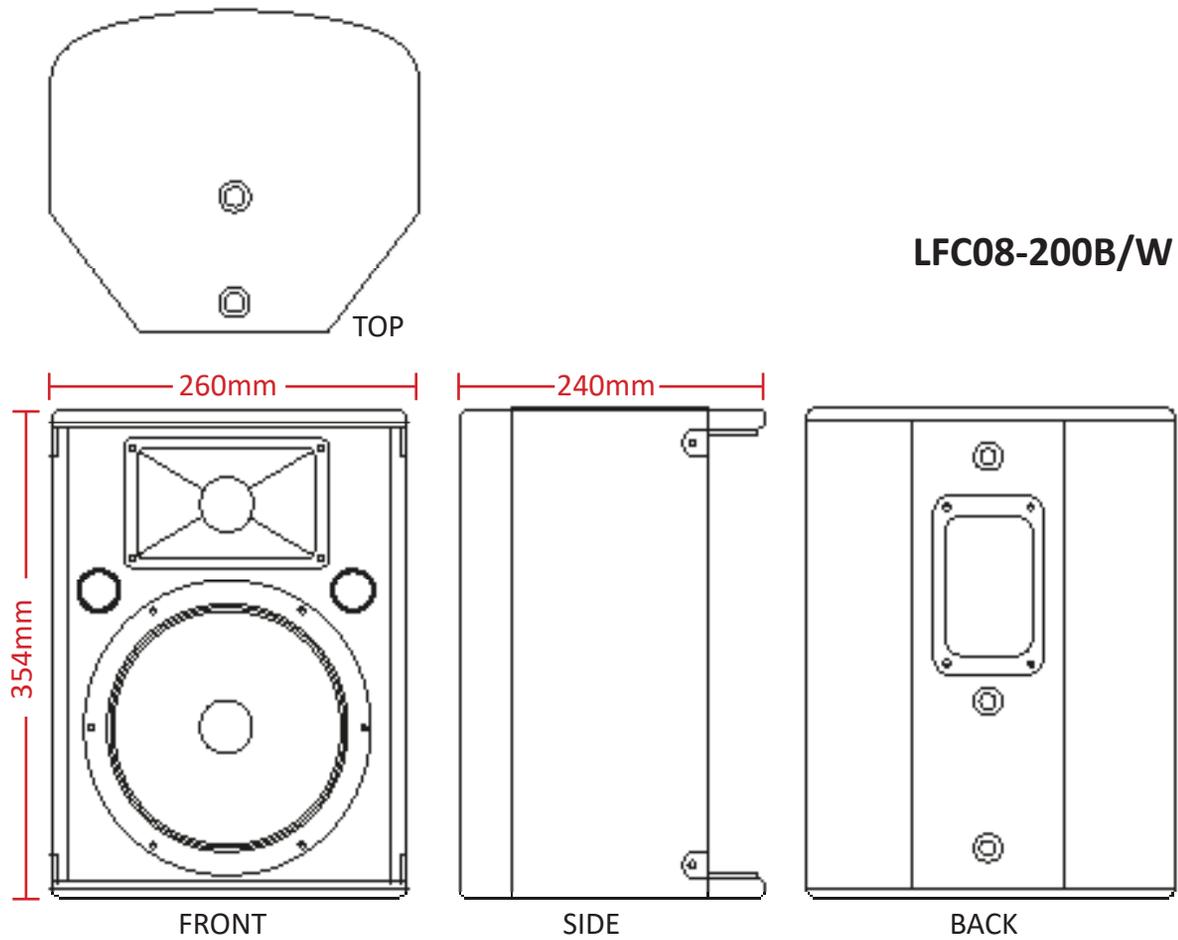
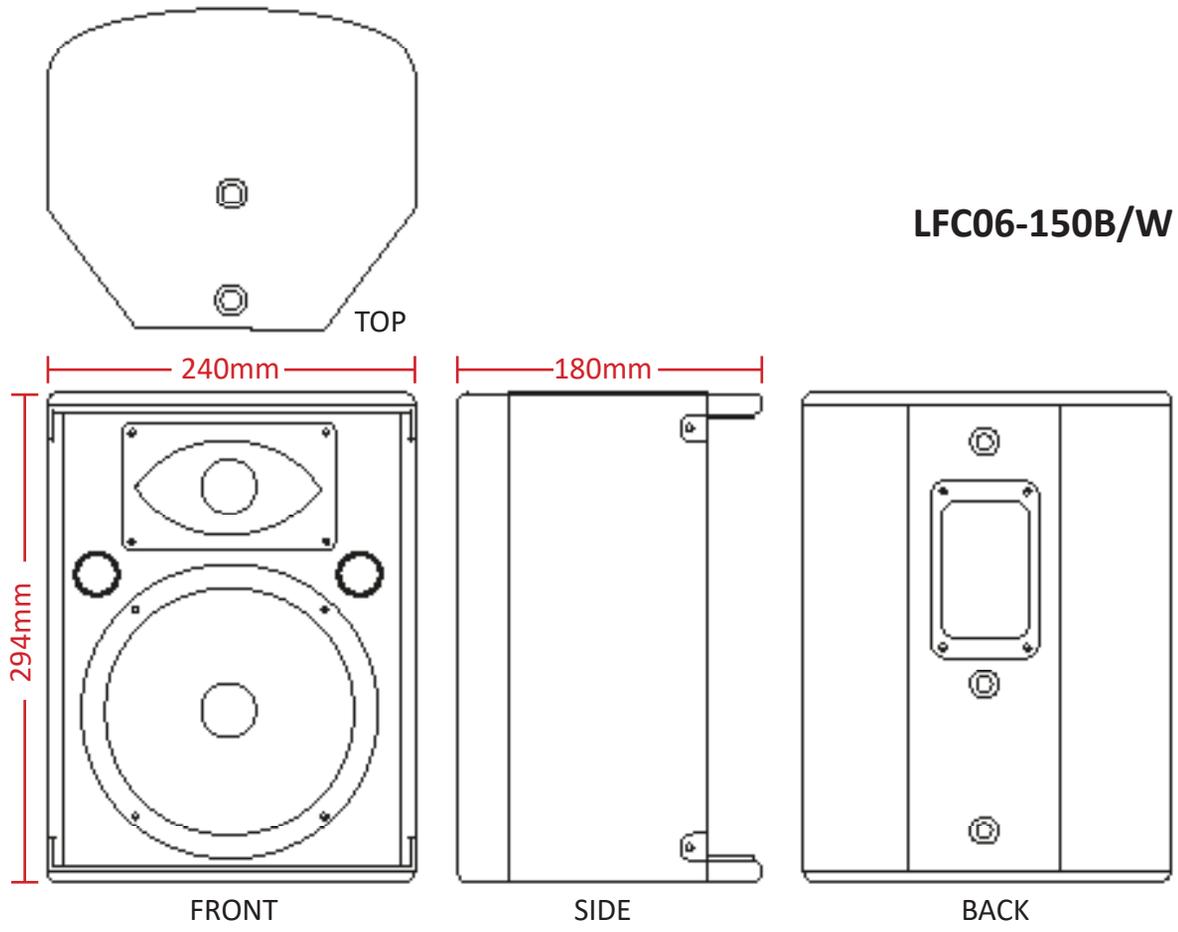
Each speaker comes with a U-bracket for wall or bar mounting, while an optional concealed wall-mount bracket is available separately. This combination of acoustic performance, build quality, and mounting flexibility makes the LFC Series a reliable solution for diverse installation scenarios.

- High Power Passive PA Speakers
- High End Sound Quality
- Plywood Enclosure
- Black or White Finish
- Integral Steel Grille
- U Bracket Supplied
- Hidden Wall Brackets Sold Separately
- Available in 6,8,10 and 12" Sizes
- Speakon and Screw Terminal Connections

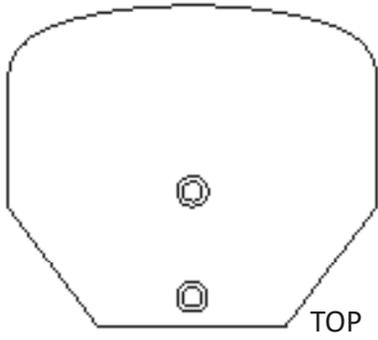
## Specifications:

| Product:               | LFC06-150B/W                 | LFC08-200B/W      | LFC10-300B/W       | LFC12-400B/W       |
|------------------------|------------------------------|-------------------|--------------------|--------------------|
| Type                   | 2 Way                        | 2 Way             | 2 Way              | 2 Way              |
| Frequency Response     | 71Hz-20KHz±3dB               | 68Hz-20KHz±3dB    | 60Hz-20KHz±3dB     | 55Hz-20KHz±3dB     |
| Drivers                | 1x 6.5" Bass Driver          | 1x 8" Bass Driver | 1x 10" Bass Driver | 1x 12" Bass Driver |
| Tweeters               | 1x 2.75" Paper Ultra Tweeter | 1x 1" HF          | 1x 1" HF           | 1x 1" HF           |
| Rated Power            | 150W RMS                     | 200W RMS          | 300W RMS           | 400W RMS           |
| Impedance              | 8 Ohms                       | 8 Ohms            | 8 Ohms             | 8 Ohms             |
| Maximum SPL            | 92dB                         | 93dB              | 96dB               | 98dB               |
| Amplifier Power        | /                            | /                 | /                  | /                  |
| Material               | Plywood                      | Plywood           | Plywood            | Plywood            |
| Dimensions (H x W x D) | 294 x 240 x 180mm            | 354 x 260 x 205mm | 404 x 300 x 240mm  | 460 x 360 x 290mm  |
| Weight                 | 5.6kg                        | 8.5kg             | 10kg               | 14.5kg             |

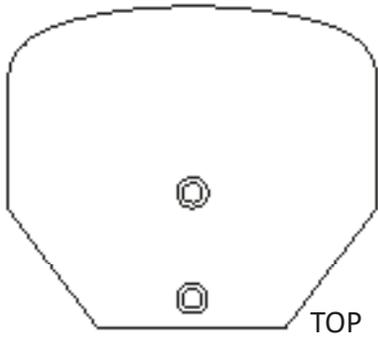
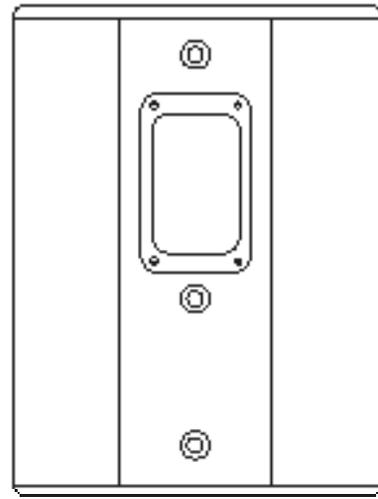
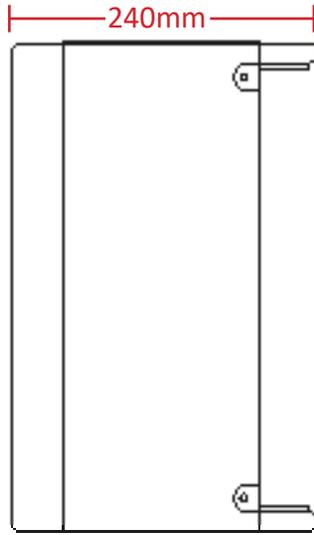
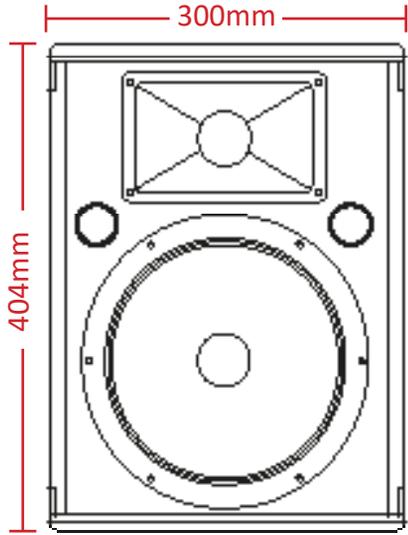
**Product Overview- Sizes:**



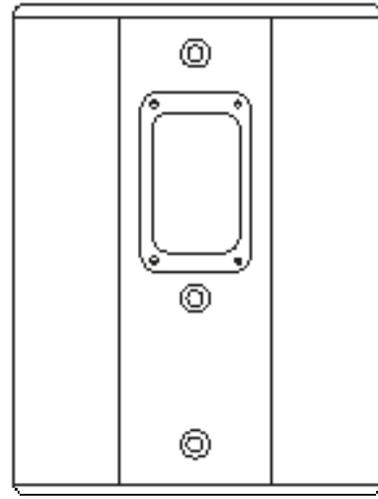
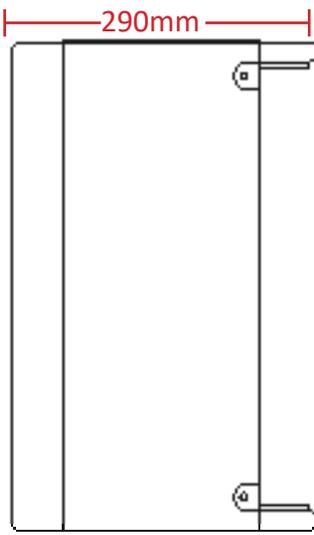
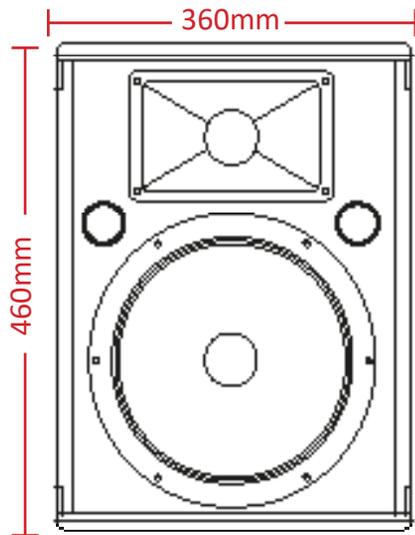
**Product Overview- Sizes:**



**LFC10-300B/W**



**LFC12-400B/W**



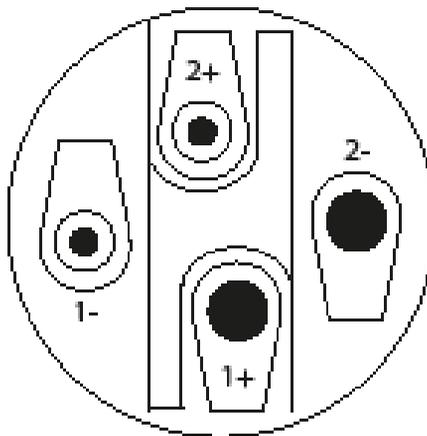
**Product Information:**



1

|   | Name              | Use                           |
|---|-------------------|-------------------------------|
| 1 | Speaker Connector | Connect between audio devices |

**Speakon Connector:**



|      |                         |
|------|-------------------------|
| 1, + | Signal 1 (in phase)     |
| 1, - | Signal 1 (out of phase) |
| 2, + | Signal 2 (in phase)     |
| 2, - | Signal 2 (out of phase) |

## Product Installation:

|   |  |   |
|---|--|---|
|  | <p style="text-align: center;"><b>WARNING</b></p> <p style="text-align: center;">Improper mounting can lead to serious injuries and significant damage to property.</p> <p style="text-align: center;">When installing and operating, make sure to follow the standards and regulations that apply in your country.</p> <p style="text-align: center;">Ensure that speakers are only mounted by trained specialists.</p> |  |
|---|--|---|

### Brackets:

Each Loudspeaker Cabinet is supplied with a "U" Bracket. This can be fitted to the cabinet to suspend it on a wall or ceiling.



If this bracket is unsuitable for your installation, other brackets can be purchased separately. See below:

|  |
|--|
|   |
| <p>The smaller universal bracket, suitable for LFC06-150B/W cabinets can be ordered separately. Available in White or Black.</p> |

|   |   |
|---|---|
|               |  |
|              |   |
| <p>A hidden wall bracket can be sold separately for: LFC08-200B/W; LFC10-300B/W; LFC12-400B/W</p> |   |

|   |  |   |
|---|--|---|
|  | <p style="text-align: center;"><b>WARNING</b></p> <p style="text-align: center;"><b>Risk of injury from falling speakers that were inadequately secured!</b></p> <p style="text-align: center;">If speakers are not properly secured when mounted, they can cause severe injury and considerable damage by falling.</p> <p style="text-align: center;">Always secure Portable Sound Systems (Speakers) with two independent safety devices, for example safety cables.</p> |  |
|---|--|---|

**Thank you for taking the time to read this information.  
For further information, please contact [sales@terralec.com](mailto:sales@terralec.com) or visit  
[www.terralec.co.uk](http://www.terralec.co.uk)**