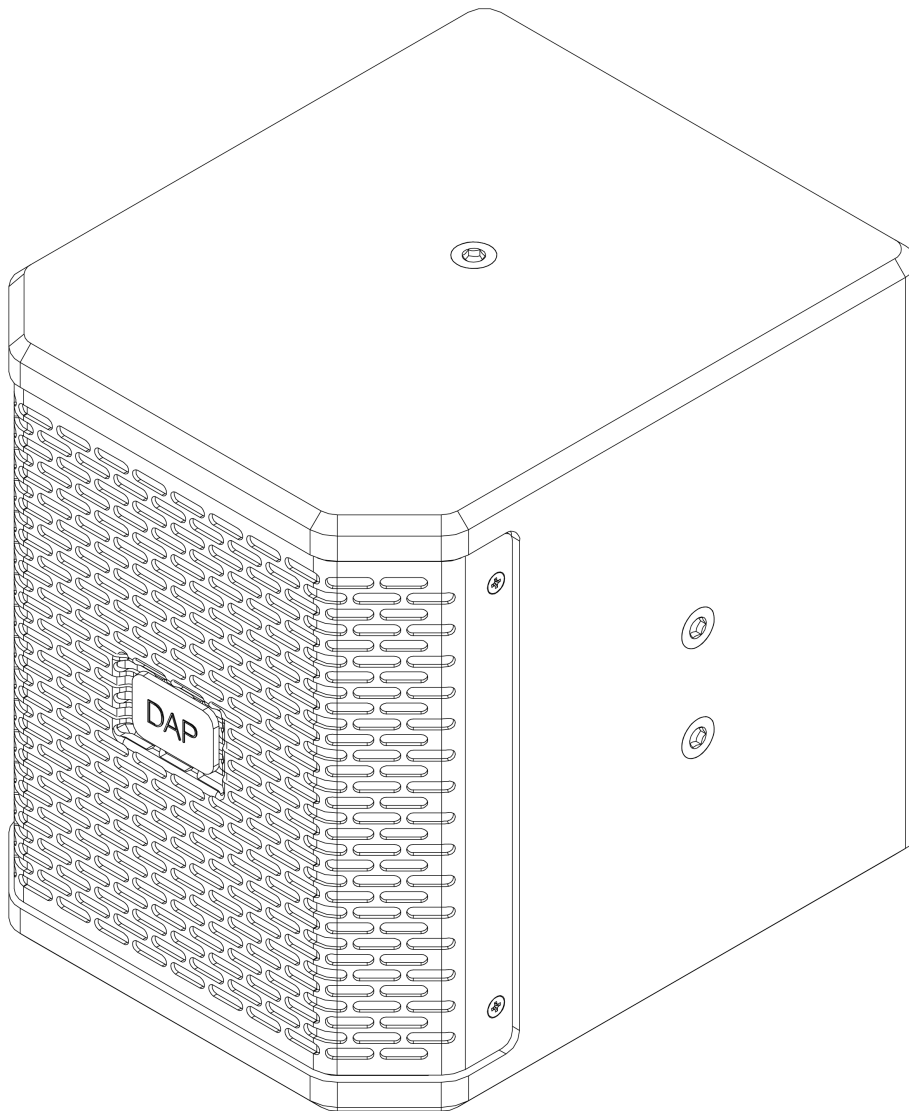


DAP

USER MANUAL

ENGLISH

V1.0



Xi-5C 5" Coaxial Speaker White

Product code: D3549

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1. Introduction

1.1. Before Using the Product

**Important**

Read and follow the instructions in this user manual before installing, operating or servicing this product.

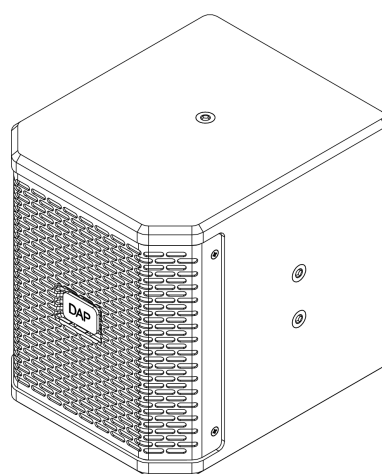
The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

After unpacking, check the contents of the box. If any parts are missing or damaged, contact your Highlite International dealer.

Your shipment includes:

- DAP Xi-5C 5" Coaxial Speaker White
- User manual

Figure 1



1.2. Intended Use

This device is intended for professional use as . It can be used only indoors. This device is not suitable for households.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

1.3. Product Lifespan

This device is not designed for permanent operation.

Disconnect the device from the electrical power supply when the device is not in operation. This will reduce the wear and will improve the lifespan of the device.

1.4. Text Conventions

Throughout the user manual the following text conventions are used:

- References: References to parts of the device are in bold lettering, for example: "turn the **adjustment handle (05)**". References to chapters are hyperlinked
- 0–255: Defines a range of values
- Notes: **Note:** (in bold lettering) is followed by useful information or tips

1.5. Symbols and Signal Words

Safety notes and warnings are indicated throughout the user manual by safety signs.

Always follow the instructions provided in this user manual.

**DANGER**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**WARNING**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION**

Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.

**Attention**

Indicates important information for the correct operation and use of the product.

**Important**

Read and observe the instructions in this document.



Provides important information about the disposal of this product.

1.6. Symbols on the Information Label

This product is provided with an information label. The information label is located on the side of the device.

The information label contains the following symbols:



This device is designed for indoor use.



This device shall not be treated as household waste.

2. Safety

**Important**

Read and follow the instructions in this user manual before installing, operating or servicing this product.

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

2.1. Warnings and Safety Instructions

**DANGER**

Danger for children

For adult use only. The device must be installed beyond the reach of children.

- Do not leave any parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within the reach of children. Packaging material is a potential source of danger for children.

**Attention**

General safety

- Do not shake the device. Avoid brute force when installing or operating the device.
- If the device fails to work properly, discontinue use immediately.

**Attention**

For professional use only

This device must be used only for the purposes it is designed for.

This device is designed to be used as . Any incorrect use may lead to hazardous situations and result in injuries and material damage.

- This device is not suitable for households.
- This device is not designed for permanent operation.
- This device does not contain user-serviceable parts. Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.

**Attention**

Before each use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- There are no deformations on housings, fixings and installation points.
- The power cables are not damaged and do not show any material fatigue.

**Attention**

Do not expose the device to conditions that exceed the rated IP class conditions.

This device is IP20 rated. IP (Ingress Protection) 20 class provides protection against solid objects greater than 12 mm, such as fingers, and no protection against harmful ingress of water.

**Attention
Speaker load**

- Make sure that the total wattage of all connected speakers does not exceed the rated wattage of the amplifier.
- Make sure that the speaker cable run is appropriate for the total speaker load.

2.2. Requirements for the User

This product may be used by ordinary persons. Maintenance may be carried out by ordinary persons. Installation and service shall be carried out only by instructed or skilled persons. Contact your Highlite International dealer for more information.

Instructed persons have been instructed and trained by a skilled person, or are supervised by a skilled person, for specific tasks and work activities associated with the installation, service and maintenance of this product, so that they can identify risks and take precautions to avoid them.

Skilled persons have training or experience, which enables them to recognize risks and avoid hazards associated with the installation, service and maintenance of this product.

Ordinary persons are all persons other than instructed persons and skilled persons. Ordinary persons include not only users of the product but also any other persons that may have access to the device or who may be in the vicinity of the device.

2.3. Personal Protective Equipment

During installation, deinstallation and rigging wear personal protective equipment in compliance with the national and site-specific regulations.

3. Description of the Device

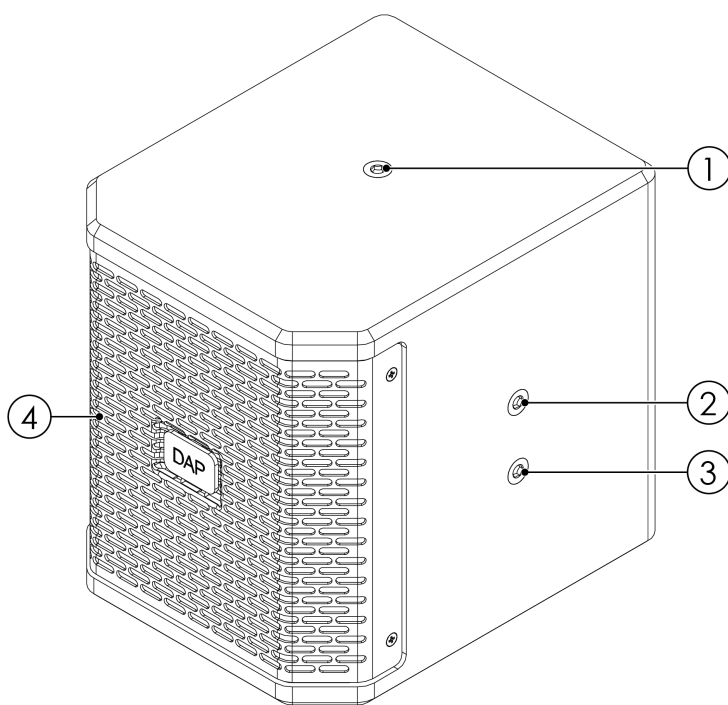
The Xi-5C 5" Coaxial Speaker White is a compact, high-quality, multi-purpose, passive speaker, designed for clear, consistent coverage in retail, hospitality, theaters, auditoriums, stage infill, live sound, and corporate environments. It uses a premium 5" Celestion coaxial driver that delivers a coherent point source with excellent intelligibility and smooth off-axis response.

Despite its small footprint, the Xi-5C 5" Coaxial Speaker White reaches up to 117 dB at 1 m with a frequency response of 80–20000 Hz and a wide 100° dispersion, ensuring even coverage across the listening area. The internal crossover can be switched from passive to bi-amp mode for maximum system control. It handles up to 150 W RMS (300 W peak). With a nominal 16 Ohm impedance, multiple speakers can be paralleled on a single amplifier channel in distributed setups.

Installation is fast and reliable thanks to 2 linked 4-pole speaker connectors (supporting passive and bi-amp modes) for easy loop-through and a 4-pole terminal connector (passive mode only) with loop-through for fixed wiring. A threaded M6 mounting point on top provides straightforward mounting options, the back features holes for the DAP Universal Speaker Bracket, and the sides have holes for the dedicated Hanging Bracket for Xi-5C 5" Coaxial Speaker White. On the bottom side, an integrated 3/8" thread allows for mounting on a (microphone) stand. The robust white coating and steel screen grille ensure durability and a discreet look that blends into any interior.

3.1. Front View

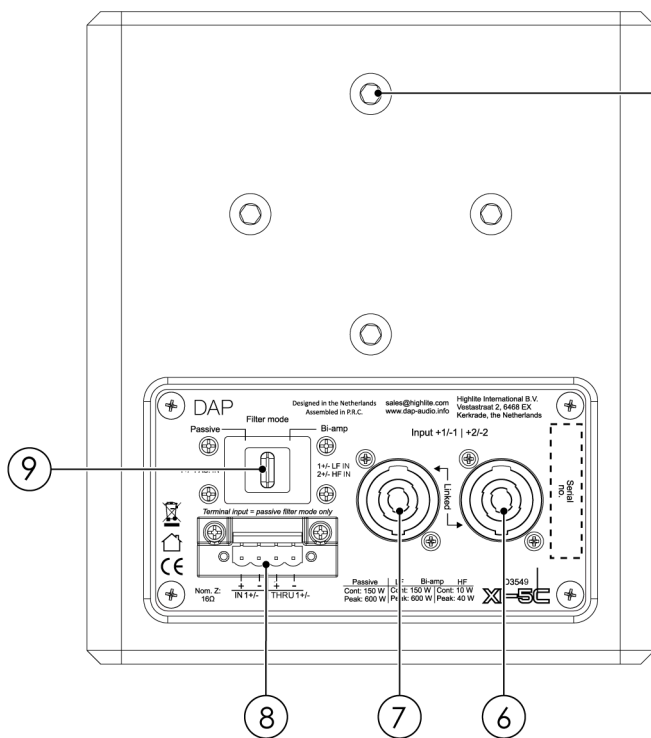
Figure 2



- 01) Top mounting opening (M6)
- 02) 2 x side mounting opening (M6)
- 03) 2 x opening for angle adjustment screw (M6)
- 04) Speaker grille

3.2. Back View

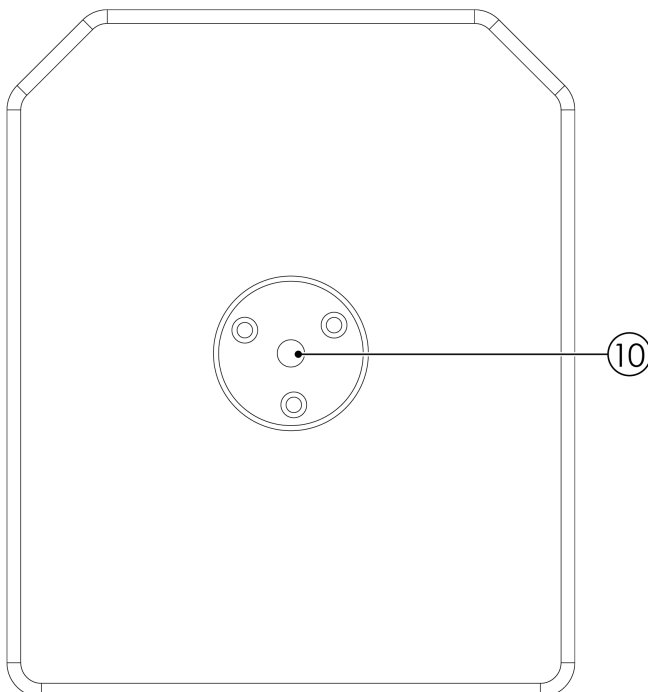
Figure 3



- 05) 4 x back mounting opening (M6)
- 06) 4-pole speaker connector IN/THRU
- 07) 4-pole speaker connector IN
- 08) 4-pin terminal connector IN/THRU
- 09) Filter mode switch

3.3. Bottom View

Figure 4



- 10) Bottom mounting opening (3/8 ")

3.4. Product Specifications

Model:	Xi-5C 5" Coaxial Speaker White
--------	--------------------------------

Inputs:	
RMS input power	150 W
Peak input power	300 W
Passive input connection	Speaker connector 4-pole / terminal

Outputs:	
Passive output connector	Speaker connector 4-pole / terminal

Audio Specifications:	
Speaker system	Coaxial
Speaker sensitivity (1 W/1 m)	89 dB
Speaker impedance	16 Ω
Maximum SPL at 1 m	117 dB
Frequency response minimum	80 Hz
Frequency response maximum	20000 Hz
Crossover frequency (high)	2200 Hz
Woofer diameter	5 "
Woofer voice coil diameter	1,5 "
Woofer magnet type	Ferrite
Compression driver diameter	1 "
Compression driver magnet type	Neodymium
Dispersion angle (horizontal)	100°
Dispersion angle (vertical)	100°

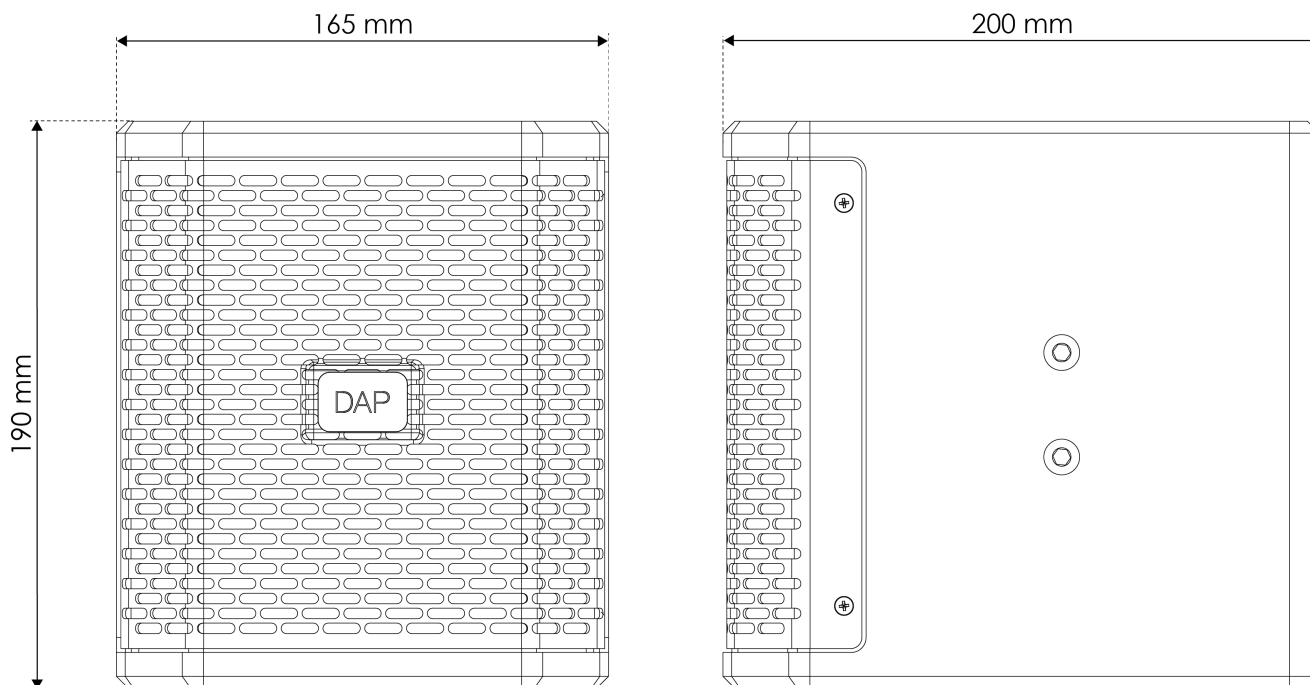
Sound Editing:	
Crossover filter types	Active filtered (ext. filter needed) / passive filtered (filter built-in)

Mechanical Specifications:	
Height	190 mm
Width	165 mm
Depth	200 mm
Material	Wood
Weight	3,56 kg
IP rating	IP20 (indoor use only)
Color	White
Finish	Painted

Product Properties:	
Pole mount	Optional 35 mm pole mount
Rotatable horn	No
Useable as monitor/wedge	No
Speaker grille material	Steel
Thread	3/8 "

Rigging:

Mounting options	Bracket / ceiling / stand / wall
Rigging options	Flying
Rigging eye thread	M6

3.5. Dimensions**3.6. Optional Accessories**

You can additionally purchase the following accessories:

- [D3549HB](#) Xi-5C 5" Bracket White
- [D3548HB](#) Xi-5C 5" Bracket Black
- [D8429W](#) Compact Speaker Wall Bracket White
- [D8429](#) Compact Speaker Wall Bracket Black

Contact your Highlite International dealer for more information.

4. Installation

4.1. Safety Instructions for Installation

**WARNING**

Incorrect installation can cause serious injuries and damage of property.

If trussing systems are used, installation must be carried out only by instructed or skilled persons.

Follow all applicable European, national and local safety regulations concerning rigging and trussing.

4.2. Personal Protective Equipment

During installation, deinstallation and rigging wear personal protective equipment in compliance with the national and site-specific regulations.

4.3. Installation Site Requirements

The device can be used only indoors.

4.4. Mounting Options

The Xi-5C 5" Coaxial Speaker White can be placed on a flat surface or mounted in the following ways:

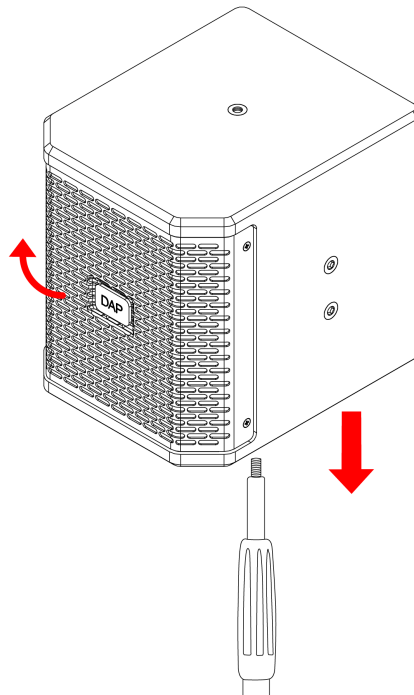
- on a microphone stand (see [4.4.1. Installation on a Microphone Stand](#))
- on a flat surface (see [4.4.2. Installation on a Flat Surface](#))
- mounted on a wall using a wall bracket (see [4.4.3. Installation Using a Wall Bracket](#))

4.4.1. Installation on a Microphone Stand

To mount the device on a microphone stand, follow the steps below:

- 01) Place the microphone stand on a level stable surface.
- 02) Fully extend the legs of the microphone stand.
- 03) Lift the device above the microphone stand.
- 04) Place the device on top of the microphone stand so that the threaded end of the microphone stand fits in the **bottom mounting opening (10)**.
- 05) Turn the device clockwise to secure it on the microphone stand.

Figure 5



4.4.2. Installation on a Flat Surface

You can install the device on a flat surface, such as a wall or ceiling using a dedicated hanging bracket. To install the device on a flat surface, you need the following:

- a drill
- a drill bit (for wood or concrete)
- 2 anchors (if applicable)
- 2 screws
- a dedicated hanging bracket, including 4 M6 x 30 screws (see [3.6. Optional Accessories](#) on page 10)
- an allen key

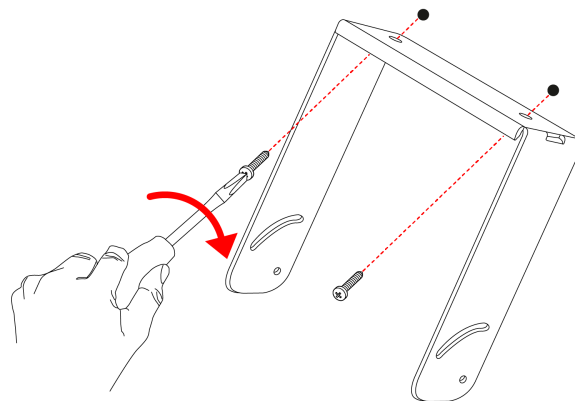
Notes:

- Make sure that the drilling location for the mounting holes is free of obstructions such as pipes, ducts, or wires.
- Do not drill into mortar joints. Screws installed in mortar joints cannot safely support the weight of the device.

To install the device on a flat surface, follow the steps below:

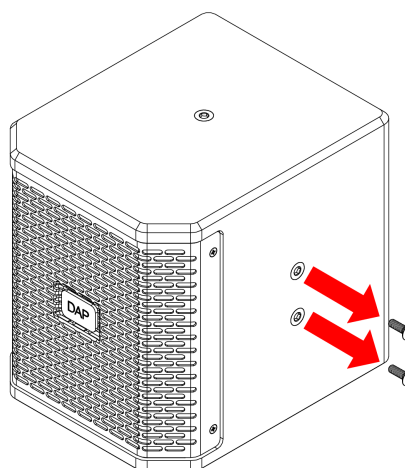
- 01) Hold the hanging bracket against the flat surface and mark the position of the 2 mounting openings on the flat surface.
- 02) Drill holes at the 2 marked locations.
- 03) Insert anchors into the drilled holes, if applicable.
- 04) Insert and tighten the 2 screws through the mounting openings of the hanging bracket into the drilled holes to fasten the hanging bracket to the flat surface. Make sure that the bracket cannot move freely.

Figure 6



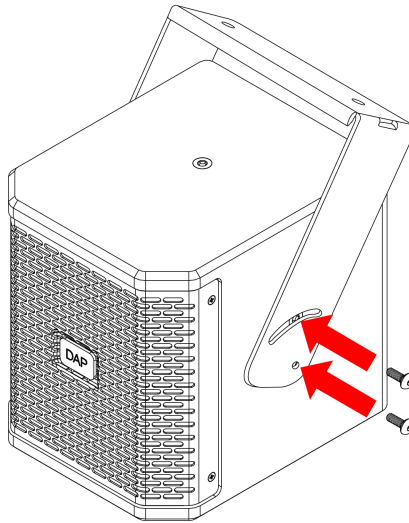
- 05) Use a 5 mm allen key to remove the 4 hex screws from the 2 **side mounting openings (02)** and the 2 **openings for the angle adjustment screws (03)**.

Figure 7



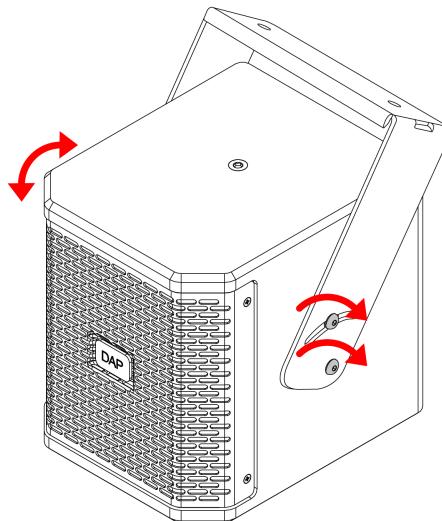
- 06) Place the device inside the hanging bracket. Make sure that the mounting openings in the hanging bracket overlap the 2 **side mounting openings (02)** and the 2 **openings for the angle adjustment screws (03)**.
- 07) Partly screw in (but do not tighten) the 4 M6 x 30 screws in the 2 **side mounting openings (02)** and the 2 **openings for the angle adjustment screws (03)**.

Figure 8



- 08) Adjust the angle of the device.
- 09) Use a 5 mm allen key to tighten the 4 M6 x 30 screws.

Figure 9



4.4.3. Installation Using a Wall Bracket

You can install the device on a wall using the compact wall speaker bracket (see [3.6. Optional Accessories](#) on page 10) and the 4 **back mounting openings (05)**.

Refer to the manual of the compact wall speaker bracket for the installation instructions.

5. Setup and Operation

5.1. Safety Instructions for Operation



Attention

This device must be used only for the purposes it is designed for.

This device is intended for professional use as . It can be used only indoors. This device is not suitable for households.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

5.1. Setup Modes

The Xi-5C 5" Coaxial Speaker White can be used in passive mode (see [5.1.0. Setup in Passive Mode](#)) or in bi-amp mode (see [5.1.0. Setup in Bi-amp Mode](#)):

- In passive mode, the device accepts 1 passive input signal from an amplifier. The device has an internal filter to split the signal into low and high frequencies
- In bi-amp mode the device accepts 2 separate input signals for the low and high frequencies. The signal is split into 2 frequency bands by the amplifier and the internal filter of the Xi-5C 5" Coaxial Speaker White is bypassed

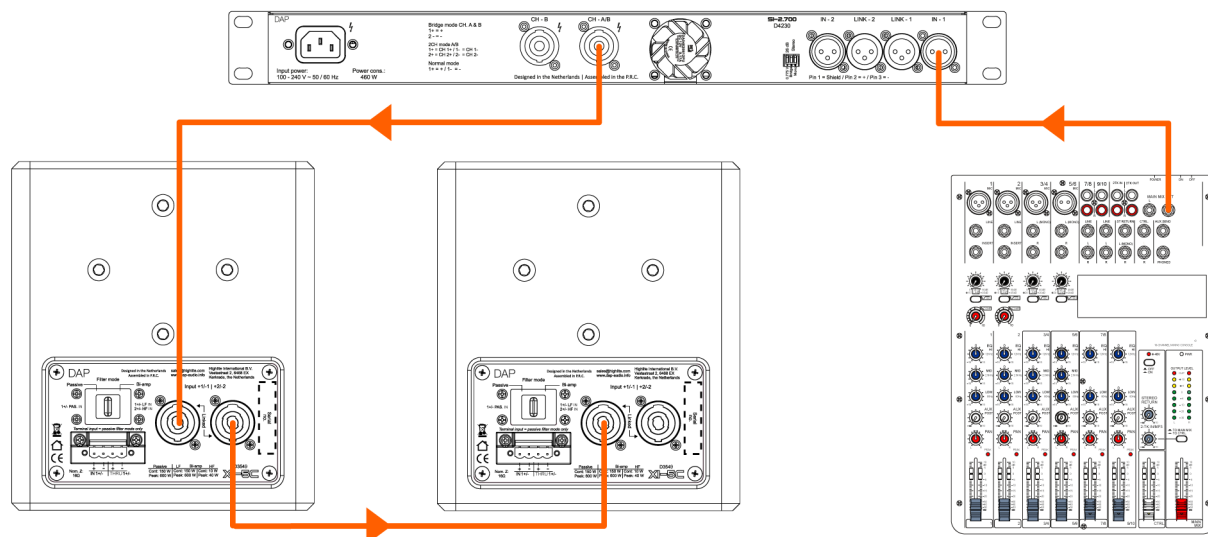
5.1.0. Setup in Passive Mode

In passive mode, the Xi-5C 5" Coaxial Speaker White accepts 1 input signal through the **4-pole speaker connector IN (07)**. You can loop the signal through to multiple devices through the **4-pole speaker connector IN/THRU (06)**. Alternatively, you can use the **4-pin terminal connector IN/THRU (08)** to connect the input and output of the device (see [5.1.0. Using Terminal Connectors](#) on page 16).

To connect multiple devices in passive mode, follow the steps below:

- 01) Set the **filter mode switch (09)** of the 1st Xi-5C 5" Coaxial Speaker White to passive mode (see [5.2. Filter Mode Switch](#) on page 17).
- 02) Connect the output of an amplifier to the **4-pole speaker connector IN (07)** of the 1st Xi-5C 5" Coaxial Speaker White.
- 03) Set the **filter mode switch (09)** of the 2nd Xi-5C 5" Coaxial Speaker White to passive mode.
- 04) Connect the **4-pole speaker connector IN/THRU (06)** of the 1st device to the **4-pole speaker connector IN (07)** of the 2nd device.
- 05) Repeat steps 3 and 4 to connect additional devices.

Figure 10



5.1.0. Using Terminal Connectors

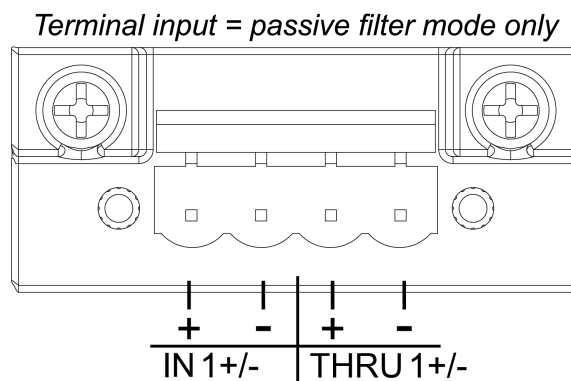
The Xi-5C 5" Coaxial Speaker White has a **4-pin terminal connector IN/THRU (08)** for using the device in passive mode with fixed wiring. You need a 4-pin terminal block (not included) for each device you want to connect.

Note:

Only use the **4-pin terminal connector IN/THRU (08)** in passive mode (see [5.1.0. Setup in Passive Mode](#) on page 15). If the **4-pin terminal connector IN/THRU (08)** is used in bi-amp mode, the input signal will be incomplete.

- 01) Set the **filter mode switch (09)** of all the Xi-5C 5" Coaxial Speaker White devices in your setup to passive mode (see [5.2. Filter Mode Switch](#) on page 17).
- 02) Connect the (+) and (-) wire of a speaker to the left 2 pins (IN 1+/-) in a 4-pin terminal block (not included). Make sure that the wire polarity is correct.
- 03) Connect the right 2 pins (THRU 1+/-) of the 1st 4-pin terminal block to the left 2 pins of a 2nd 4-pin terminal block. Make sure that the wire polarity is correct.

Figure 11



- 04) Repeat step 2 to connect additional 4-pin terminal blocks.
- 05) Connect the 1st 4-pin terminal block to the **4-pin terminal connector IN/THRU (08)** of the 1st Xi-5C 5" Coaxial Speaker White.
- 06) Connect the additional 4-pin terminal block to the **4-pin terminal connector IN/THRU (08)** of the additional Xi-5C 5" Coaxial Speaker White devices in the chain.

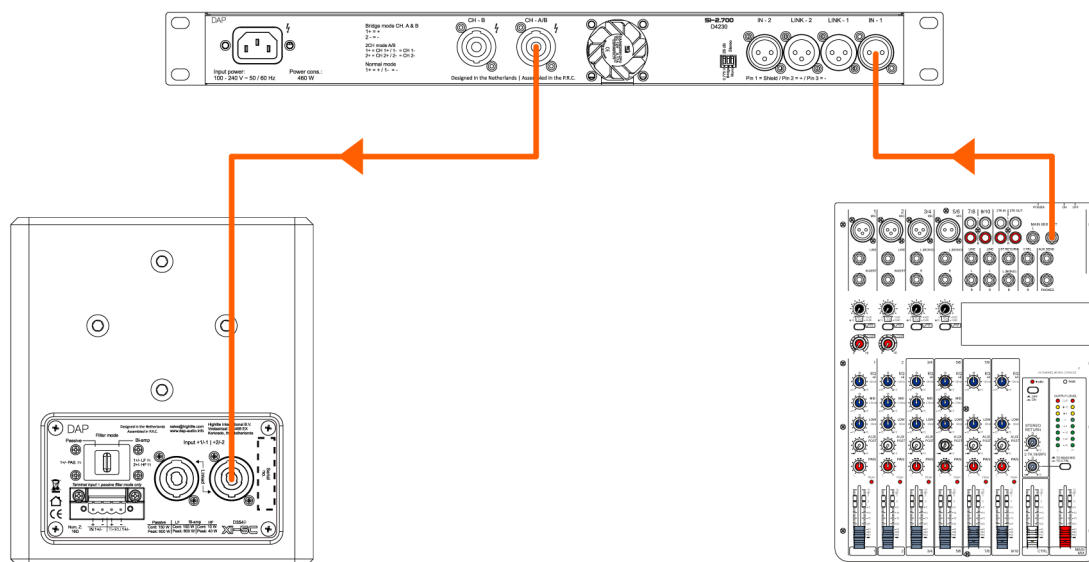
5.1.0. Setup in Bi-amp Mode

In bi-amp mode, the Xi-5C 5" Coaxial Speaker White accepts 2 input signals with separate low and high frequency bands through the **4-pole speaker connector IN (07)** and the **4-pole speaker connector IN/THRU (06)**.

To connect the device in bi-amp mode, follow the steps below:

- 01) Set the **filter mode switch (09)** of the Xi-5C 5" Coaxial Speaker White to bi-amp mode (see [5.2. Filter Mode Switch](#) on page 17).
- 02) Connect the output of an amplifier to the **4-pole speaker connector IN/THRU (06)** of the Xi-5C 5" Coaxial Speaker White.

Figure 12

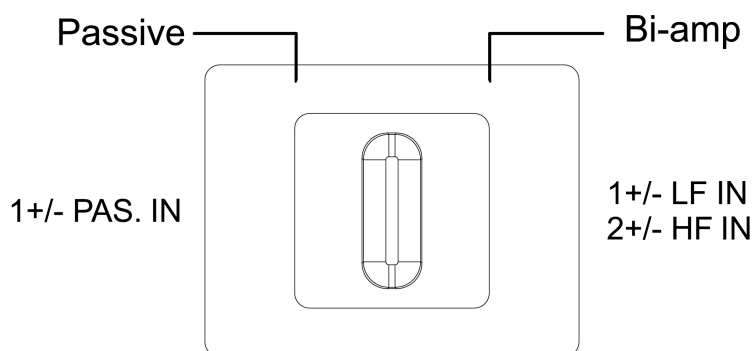


5.2. Filter Mode Switch

The Xi-5C 5" Coaxial Speaker White has a **filter mode switch (09)** to change the internal filter mode of the device.

The **filter mode switch (09)** can be set to Passive (see [5.1.0. Setup in Passive Mode](#) on page 15) or Bi-amp (see [5.1.0. Setup in Bi-amp Mode](#) on page 17):

Figure 13



- **Passive:** The device accepts 1 input signal. The signal is split into high and low frequencies by the internal filter of the device. The received input signal can be looped through to other devices
- **Bi-amp:** The device accepts 2 input signals with separate high and low frequencies. The internal filter of the device is bypassed

6. Troubleshooting

This troubleshooting guide contains solutions to problems which can be carried out by an ordinary person. The device does not contain user-serviceable parts.

Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.

Refer servicing to instructed or skilled persons. Contact your Highlite International dealer in case the solution is not described in the table.

Problem	Probable cause(s)	Solution
No sound	No amplifier signal	Make sure the connected amplifier is switched on and functions correctly
	Bad connections	Make sure that the connections between the device and the amplifier are correct and not defective
	2-pole speaker connector used	Make sure to use a 4 pole speaker connector
Poor sound quality	Incorrect polarity of fixed wiring connections	Make sure that the polarity is correct when using fixed wiring connections (see 5.1.0. Using Terminal Connectors on page 16)
	Bad connections	Make sure that the connections between the device and the amplifier are correct and not defective
No high or low frequencies	Incorrect filter mode	Make sure the filter mode switch (09) is set to the correct mode for the setup
	2-pole speaker cable used	Make sure to use a 4-pole speaker cable

7. Maintenance

7.1. Preventive Maintenance

**Attention**

Before each use, examine the device visually for any defects.

Make sure that the housing is not damaged.

7.1.1. Basic Cleaning Instructions

Clean the device with a soft, lint-free cloth.

**Attention**

- Do not immerse the device in liquid.
- Do not use alcohol or solvents.

7.2. Corrective Maintenance

The device does not contain user-serviceable parts. Do not open the device and do not modify the device.

Refer repairs and servicing to instructed or skilled persons. Contact your Highlite International dealer for more information.

8. Deinstallation, Transportation and Storage

8.1. Instructions for Deinstallation

**WARNING**

Incorrect deinstallation can cause serious injuries and damage of property.

- Always observe the national and site-specific regulations during deinstallation and derigging of the device.
- Wear personal protective equipment in compliance with the national and site-specific regulations.

8.2. Instructions for Transportation

- Use the original packaging to transport the device, if possible.
- Always observe the handling instructions printed on the outer carton box, for example: "Handle with care", "This side up", "Fragile".

8.3. Storage

- Clean the device before storing (see [7.1.1. Basic Cleaning Instructions](#) on page 19).
- Store the device in the original packaging, if possible.

9. Disposal

Correct disposal of this product



Waste Electrical and Electronic Equipment

This symbol on the product, its packaging or documents indicates that the product shall not be treated as household waste. Dispose of this product by handing it to the respective collection point for recycling of electrical and electronic equipment. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. For more detailed information about recycling of this product contact the local authorities or the authorized dealer.

10. Approval



Check the respective product page on the website of Highlite International (www.highlite.com) for an available declaration of conformity.

DAP