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Focal ISS-200

Focal ISS-200 8-inch 2-Way Component Speaker System User Manual

Model: ISS-200



Figure 0.1: The Focal ISS-200 8-inch 2-Way Component Speaker System, including woofers, tweeters, and wiring.

This image displays the complete Focal ISS-200 component speaker system, showcasing the woofers, tweeters, and associated wiring components.

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Focal ISS-200 8-inch 2-Way Component Speaker System. Please read this manual thoroughly before attempting installation or operation to ensure proper function and longevity of your speakers. The Focal ISS-200 system is designed to deliver high-fidelity audio performance in a vehicle environment.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery before beginning any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or sharp edges.
- Do not install speakers in locations that obstruct airbags, driver visibility, or vehicle controls.
- Use appropriate tools and personal protective equipment during installation.
- Consult a professional installer if you are unsure about any part of the installation process.
- Avoid prolonged exposure to high volume levels, which can cause hearing damage.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Two (2) 8-inch Woofers
- Two (2) Inverted Dome Tweeters (with pre-attached speaker wire)
- Two (2) Surface Mount Tweeter Housings (pre-installed)
- Two (2) Angled Surface Mount Tweeter Housings
- Two (2) 19-inch Lengths of Speaker Wire with In-line Tweeter Crossovers
- Two (2) 7-inch Lengths of Speaker Wire with In-line Woofer Crossovers
- Two (2) Foam Woofer Gaskets
- Eight (8) Speed Clips
- Four (4) 7/8-inch Flathead Screws
- Eight (8) 1-inch Self-tapping Screws
- Owner's Manual (English/French)
- Focal Window Sticker



Figure 3.1: Included hardware and user manual for the Focal ISS-200 system.

This image displays the user manual, various screws, and speed clips included with the Focal ISS-200 component speaker system, essential for installation.

4. INSTALLATION

The Focal ISS-200 system is designed for straightforward installation, featuring built-in crossovers for simplified wiring. However, professional installation is recommended for optimal performance and to avoid damage to your vehicle or the speakers.

4.1 Woofer Installation

The 8-inch woofers are designed with a shallow mounting depth of 2.5 inches (63.5 mm), allowing for compatibility with various vehicle door panels. Ensure the mounting location provides adequate clearance and is free from obstructions. The woofers feature built-in crossovers, simplifying the wiring process by eliminating the need for external crossover units.



Figure 4.1: Two Focal ISS-200 8-inch woofers, ready for installation.

This image shows the two 8-inch woofers from the Focal ISS-200 component speaker system, highlighting their design and size.



Figure 4.2: Rear view of the Focal ISS-200 woofers, showing the magnet structure and terminals.

This image provides a view of the rear of the Focal ISS-200 woofers, illustrating their magnet assembly and connection terminals.

4.2 Tweeter Installation

The inverted dome tweeters can be installed using either the surface mount housings (pre-installed) or the angled surface mount housings, depending on your vehicle's interior and desired sound staging. The compact size of the tweeters allows for flexible mounting options. Connect the tweeters using the provided speaker wire with in-line crossovers.



Figure 4.3: Focal ISS-200 inverted dome tweeters with their protective grilles.

This image displays the two inverted dome tweeters included in the Focal ISS-200 system, featuring their grilles.



Figure 4.4: Various tweeter mounting housings provided with the Focal ISS-200 system.

This image illustrates the different tweeter mounting housings available for the Focal ISS-200, offering flexibility for installation.

4.3 Wiring

The Focal ISS-200 system utilizes in-line crossovers for both woofers and tweeters. Connect the provided speaker wires to the corresponding components and then to your amplifier or head unit outputs. Ensure correct polarity (+/-) for all connections to maintain proper sound reproduction.



Figure 4.5: Speaker wiring harnesses with integrated in-line crossovers for the Focal ISS-200 system.

This image shows the speaker wiring provided with the Focal ISS-200, featuring integrated in-line crossovers for simplified connection.

5. OPERATION

Once properly installed, the Focal ISS-200 component speaker system is ready for use. These speakers are designed to be driven by a car audio amplifier or a head unit with sufficient power output. The system has a nominal impedance of 4 ohms and can handle up to 80 Watts RMS (Root Mean Square) and 160 Watts maximum power.

5.1 Initial Power-Up and Testing

1. After completing all wiring, reconnect the vehicle's battery.
2. Turn on your car audio system at a low volume level.
3. Gradually increase the volume and listen for clear, balanced sound from all speakers.
4. Check for any distortion or unusual noises. If present, immediately reduce volume and re-check wiring connections.

5.2 Sound Adjustment

Utilize your head unit's or amplifier's equalizer and balance/fader controls to fine-tune the sound to your preference. The ISS-200 system offers a frequency response from 40Hz to 20kHz, providing a wide range of audio reproduction.

6. MAINTENANCE

The Focal ISS-200 speakers require minimal maintenance. Follow these guidelines to ensure their longevity:

- Keep the speakers free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the speakers to excessive moisture or direct sunlight for prolonged periods.
- Regularly check wiring connections for tightness and corrosion, especially after significant vehicle vibrations or temperature changes.
- Do not apply any chemical cleaners or solvents to the speaker cones or surrounds.

7. TROUBLESHOOTING

If you experience issues with your Focal ISS-200 speaker system, refer to the following common troubleshooting steps:

7.1 No Sound from Speakers

- **Check Power:** Ensure your amplifier or head unit is receiving power and is turned on.
- **Verify Connections:** Inspect all speaker wires for secure connections at both the speaker and amplifier/head unit ends. Check for any loose or disconnected wires.
- **Check Polarity:** Incorrect wiring polarity can cause phase issues, leading to weak or no sound. Ensure positive (+) and negative (-) terminals are correctly matched.
- **Examine Fuses:** Check the fuses on your amplifier or head unit.

7.2 Distorted or Unclear Sound

- **Volume Level:** Reduce the volume. Distortion often occurs when the amplifier or speakers are overdriven.
- **Gain Settings:** If using an external amplifier, ensure the gain settings are properly adjusted. Too high a gain can cause clipping and distortion.
- **Equalizer Settings:** Adjust your head unit's or amplifier's equalizer settings. Extreme bass or treble boosts can introduce distortion.
- **Wiring Integrity:** Check speaker wires for any damage, fraying, or short circuits.
- **Speaker Mounting:** Ensure speakers are securely mounted and not vibrating against vehicle panels.

7.3 Imbalanced Sound (One Speaker Louder/Softer)

- **Balance/Fader Control:** Adjust the balance and fader controls on your head unit.
- **Wiring:** Check the wiring for the affected speaker. A loose connection or incorrect polarity can cause reduced output.
- **Speaker Damage:** Inspect the speaker cone and surround for any visible damage.

8. SPECIFICATIONS

Technical specifications for the Focal ISS-200 8-inch 2-Way Component Speaker System:

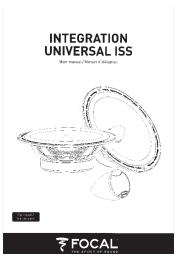
| Feature | Specification |
|---------------------------|---|
| Model Name | Focal ISS 200 |
| Speaker Type | 2-Way Component System |
| Woofer Diameter | 8 inches (200mm) |
| Tweeter Type | Inverted Dome |
| RMS Power Handling | 80 Watts |
| Maximum Power Handling | 160 Watts |
| Impedance | 4 Ohm |
| Frequency Response | 40Hz - 20kHz |
| Sensitivity (2.83V/1m) | 91.4 dB |
| Woofer Mounting Depth | 2.5 inches (63.5 mm) |
| Approximate System Weight | 0.01 Ounces (Note: This value may represent shipping weight or a partial component weight and not the full system.) |
| Crossovers | Integrated In-line |






9. WARRANTY AND SUPPORT

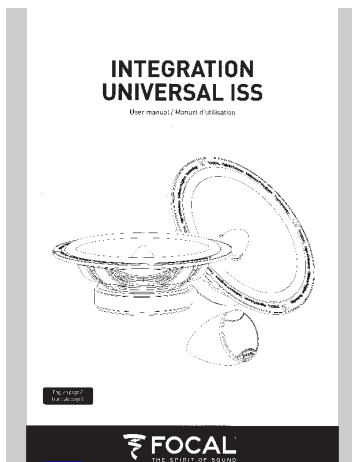
Focal products are manufactured to high-quality standards. This product is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For technical assistance, warranty service, or further information, please contact your authorized Focal dealer or visit the official Focal website. Do not attempt to repair the speakers yourself, as this may void the warranty.

Related Documents - ISS-200

| | |
|---|--|
|  | <p>Focal Integration Universal ISS Car Speaker User Manual and Installation Guide</p> <p>Comprehensive user manual for the Focal Integration Universal ISS car speaker system. Includes detailed installation instructions for tweeters and woofers, wiring diagrams, compatibility information, and warranty details. Learn how to properly install and register your Focal speakers.</p> |
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|  | <p>Focal Littora 200 Outdoor Speakers: User Manual & Specifications</p> <p>Discover the Focal Littora 200 series of outdoor speakers (OD Stone 8, OD Sat 5, OD Sub 12). This user manual provides essential guidance on installation, connections, specifications, and safety for high-fidelity outdoor audio experiences, featuring IP55 durability.</p> |
|  | <p>Focal PC 165 SF PS 165 SF User Manual and Specifications</p> <p>User manual and technical specifications for Focal PC 165 SF and PS 165 SF car speakers, featuring Slatefiber cones and high-efficiency design.</p> |
|  | <p>Focal T3Y Series Car Speakers: User Manual, Specifications, and Installation Guide</p> <p>Comprehensive user manual, technical specifications, and installation guide for the Focal T3Y series car speakers, including IW T3Y 200, ICC T3Y 100, IS T3Y 100, and IC T3Y 100. Features safety instructions, product details, and compatibility information.</p> |
|  | <p>Focal FLAX EVO™ Car Speaker Systems: User Manual & Specifications</p> <p>Explore the Focal FLAX EVO™ series car audio speakers with this comprehensive guide. It includes user manuals, installation instructions, safety guidelines, and detailed technical specifications for models like PS 165 FE, PS 165 FSE, and more. Learn about Focal's 'Listen Beyond' philosophy and product features.</p> |
|  | <p>Focal T3Y Series Car Audio Speakers User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for Focal T3Y series car audio speakers, including models IW T3Y 200, ICC T3Y 100, IS T3Y 100, and IC T3Y 100. Features safety instructions, specifications, and setup details.</p> |

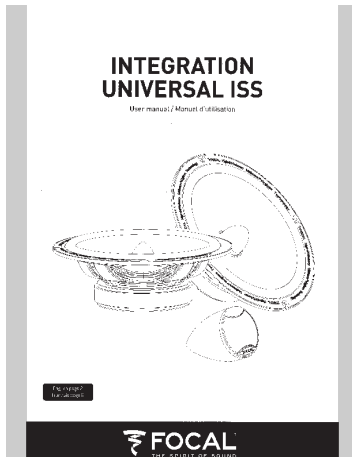


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[Focal Integration Universal ISS Car Speaker User Manual and Installation Guide](#)

Comprehensive user manual for the Focal Integration Universal ISS car speaker system. Includes detailed installation instructions for tweeters and woofers, wiring diagrams, compatibility information, and warranty details. Learn how to properly install and register your Focal speakers.

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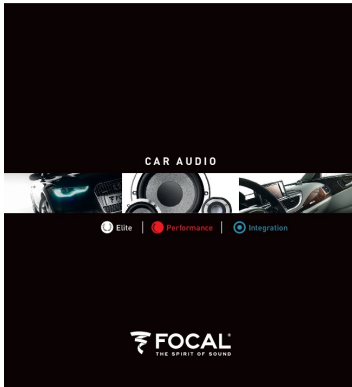


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UNIVERSAL ISS 200 2-way component kit Butyl surround Perfect reliability Polyglass cone Neutral sound without coloration Integrated crossover woofer tweeter Easy installation ADVANTAGES High sensitivity Shallow mounting depth 63.5mm Partial horn loading tweeter Dynamics and neutrality...

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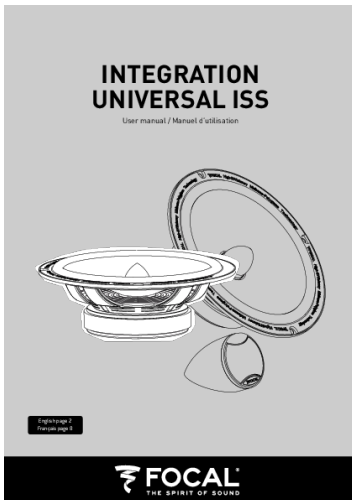


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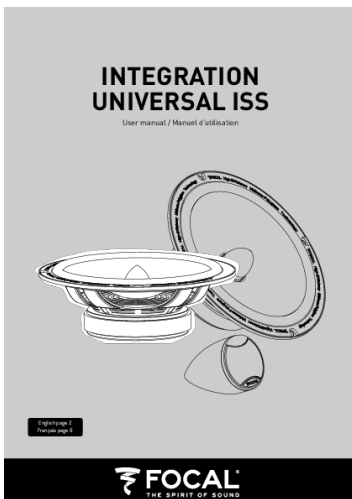


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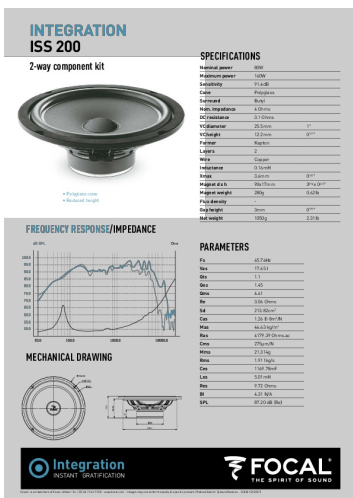


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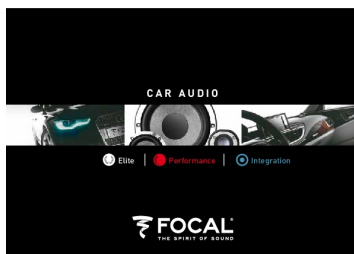
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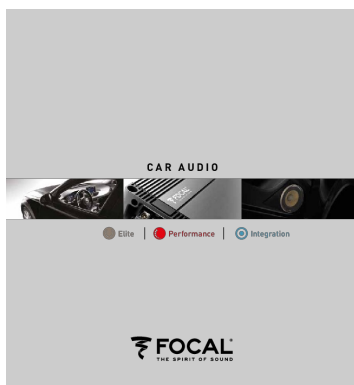


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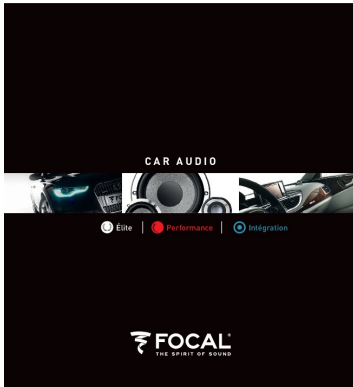


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