

BLAM S 165.80

BLAM Signature S 165.80 Component Speaker System User Manual

Model: S 165.80 | Brand: BLAM



INTRODUCTION TO BLAM AND THE SIGNATURE SERIES

BLAM has leveraged over 25 years of experience in high-end speaker manufacturing to develop speakers that fully embody its unique concept known as the "French Sound." This philosophy is at the core of the Signature series, designed to deliver an unparalleled audio experience.

The "French Sound" accurately reproduces detailed midrange information with delicate balance, without losing the emotion of vocals. It faithfully reproduces the dynamics of original recordings, breathing life into music while preserving the natural nuances and transparency of vocals.

The BLAM Signature series represents the culmination of Guy Bonneville's car audio product design to date, meeting all the standards required for his ideal French Sound. Each component of the Signature series is designed at BLAM's headquarters in France and is entirely 'Made in France'. They are meticulously hand-assembled, rigorously tested, and paired in a dedicated workshop before shipment. We hope you enjoy music for a long time with BLAM products.

KEY FEATURES

- **Speaker Type:** 2Ω 165mm 2-Way Component System (WS 6.80 Woofer + TS 20HR Tweeter + BFR 01 Crossover)
- **"French Sound" Philosophy:** Accurate and emotional reproduction of midrange, faithful dynamics, natural vocal nuances, and transparency.
- **High-Resolution Audio Compatibility:** Designed to smoothly reproduce frequencies up to 40kHz and beyond, delivering clearer, sharper, and more complex sounds for an experience closer to the original performance.

- **Made in France:** All components are designed and meticulously hand-assembled, tested, and paired in France.

PRODUCT COMPONENTS



Image: The BLAM Signature S 165.80 component speaker system. This image displays the 6.5-inch woofer with its carbon fiber cone and robust frame, the compact 3/4-inch tweeter, and the passive crossover network with visible coils and components encased in a clear housing.

The BLAM Signature S 165.80 system includes a 6.5-inch woofer, a 3/4-inch tweeter, and a passive crossover network. Each component is engineered for optimal performance and seamless integration.

SETUP AND INSTALLATION

Proper installation is crucial for achieving the best sound quality from your BLAM Signature speakers. It is highly recommended that installation be performed by a qualified car audio professional.

General Guidelines:

1. **Safety First:** Disconnect the vehicle's battery before starting any electrical work.
2. **Mounting Location:**
 - **Woofers:** Install woofers securely in factory speaker locations or custom enclosures designed for 6.5-inch speakers. Ensure adequate depth and clearance.
 - **Tweeters:** Mount tweeters in locations that provide optimal sound staging and imaging, such as A-pillars or dash corners. Consider the "Flash Mount" type as indicated in specifications.
 - **Crossovers:** Mount crossovers in a dry, secure location away from heat sources and moisture. Ensure easy access for wiring.
3. **Wiring:**
 - Use high-quality speaker wire of appropriate gauge.
 - Connect the amplifier output to the crossover input.

- Connect the woofer and tweeter outputs from the crossover to their respective speakers, observing correct polarity (+ to + and - to -).
 - Ensure all connections are secure and insulated to prevent short circuits.
4. **Sound Deadening:** Consider applying sound deadening material to the speaker mounting surfaces and surrounding panels to reduce vibrations and improve bass response.

OPERATING YOUR BLAM SPEAKERS

Once installed, your BLAM Signature speakers are designed to deliver exceptional audio fidelity. Follow these general operating principles to ensure optimal performance and longevity:

- **Amplifier Matching:** Ensure your amplifier's power output is appropriately matched to the speakers' power handling capabilities. Overpowering or underpowering can damage speakers.
- **Gain Setting:** Properly set the gain on your amplifier to avoid distortion. Start with the gain at minimum and slowly increase it until you hear distortion, then back off slightly.
- **Crossover Settings:** If your amplifier or head unit has adjustable crossover settings, ensure they are configured correctly to protect the speakers and optimize sound quality. Typically, woofers will use a low-pass filter and tweeters a high-pass filter.
- **Volume Control:** Avoid prolonged listening at extremely high volumes, especially if you notice any distortion or harshness, as this can lead to speaker damage.
- **Break-in Period:** Like all new speakers, your BLAM Signature speakers may benefit from a break-in period of several hours of normal listening. This allows the speaker surrounds and spiders to loosen up, improving bass response and overall sound.

MAINTENANCE

Your BLAM Signature speakers are built for durability and long-term performance. Minimal maintenance is required to keep them in excellent condition:

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive cleaners.
- **Environmental Protection:** While designed for automotive use, avoid exposing speakers to excessive moisture, extreme temperatures, or direct sunlight for prolonged periods, as these can degrade materials over time.
- **Regular Inspection:** Periodically check speaker connections to ensure they remain secure.

TROUBLESHOOTING

If you encounter issues with your BLAM Signature speakers, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound from Speaker	Loose or disconnected wiring; amplifier off or in protect mode; incorrect head unit settings.	Check all speaker and amplifier connections. Verify amplifier status and head unit output settings.

Problem	Possible Cause	Solution
Distorted Sound	Amplifier gain set too high; damaged speaker; incorrect crossover settings.	Reduce amplifier gain. Inspect speaker for physical damage. Verify crossover settings.
Weak Bass	Incorrect woofer polarity; inadequate enclosure; insufficient amplifier power.	Check woofer wiring polarity. Ensure woofer is securely mounted in a sealed environment. Consider a more powerful amplifier.
Harsh or Missing Treble	Incorrect tweeter polarity; damaged tweeter; incorrect crossover settings.	Check tweeter wiring polarity. Inspect tweeter for damage. Verify crossover settings.

If problems persist after attempting these steps, please contact a qualified car audio technician or BLAM customer support for assistance.

SPECIFICATIONS

Feature	Detail
Speaker Type	2Ω 165mm 2-Way Component System (WS 6.80 Woofer + TS 20HR Tweeter + BFR 01 Crossover)
Woofer Diameter	165 mm (6.5 inches)
Tweeter Diameter	3/4 inch
Mounting Type	Flash Mount (for tweeter)
High-Res Audio Support	Yes, up to 40kHz and beyond
Origin	Made in France
ASIN	B07LFVK9FV

WARRANTY AND SUPPORT

BLAM products are manufactured to the highest standards and undergo rigorous quality control. For detailed warranty information, please refer to the documentation included with your product or contact your authorized BLAM dealer.

For comprehensive technical specifications and further details, please visit the manufacturer's official product page or the distributor's website:

http://www.truim.jp/info/info080004_blam_signature.pdf

For customer support, please contact your local BLAM distributor or the point of purchase.



