

5 CORE HW 508 BLK

5 CORE PA Speaker Instruction Manual

MODEL: HW 508 BLK

Brand: 5 CORE

1. Product Overview

The 5 CORE HW 508 BLK PA Speaker is an 8-inch bull horn designed for clear and powerful audio projection in both indoor and outdoor environments. Engineered with high-quality ABS material, this speaker offers durability and is weatherproof, making it suitable for various conditions. Its compact and lightweight design, along with the included adjustable mounting bracket, allows for easy installation and flexible positioning.



Figure 1.1: Front view of the 5 CORE HW 508 BLK PA Speaker.

Key Features:

- **Clear & Powerful Sound:** Delivers loud, clear audio with 8 Ohm impedance and 101dB SPL at 1W/1M, effective for large spaces.
- **Wide Frequency Response:** Enjoy sharp and efficient sound amplification across a frequency range of 500Hz to 5kHz.
- **High Power Output:** Handles up to 65W max power, suitable for various PA system needs.
- **Easy To Install & Lightweight:** Made from tough ABS material (2.75 lbs), with included mounting hardware and compact size (8" H x 4.8" W x 9.5" D).
- **Adjustable Bracket Included:** Allows a full 180-degree swivel for optimal positioning.



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65W
MAX Power

25W
RMS Power

8 Inch

			
CLEAR & LOUD SOUND	ADJUSTABLE BRACKET	EASY INSTALLATION	DURABLE

Figure 1.2: Visual representation of key features including 65W Max Power, 25W RMS Power, 8 Inch size, Clear & Loud Sound, Adjustable Bracket, Easy Installation, and Durable construction.



Figure 1.3: The speaker's weatherproof design ensures reliable performance in various outdoor conditions.

2. What's in the Box

Upon opening your package, please ensure all components are present and in good condition.

- 1x 5 CORE PA Horn Speaker
- 1x Adjustable Mounting Bracket
- Mounting Hardware (screws, nuts, washers)

3. Specifications

Detailed technical specifications for the 5 CORE HW 508 BLK PA Speaker:

Specification	Value
Model Name	HW 508 BLK

Brand	5 CORE
Speaker Type	Outdoor PA Horn
Material	Acrylonitrile Butadiene Styrene (ABS)
Speaker Size	8 Inches
Speaker Maximum Output Power	65 Watts
Impedance	8 Ohm
Signal-to-Noise Ratio (SPL)	101 dB
Frequency Response	500Hz – 5kHz
Product Dimensions (D x W x H)	9.5"D x 8.25"W x 6.5"H
Item Weight	1.4 Pounds
Color	Black
Mounting Type	Flush Mount
Water Resistance Level	Not Water Resistant (but weatherproof)



Figure 3.1: Detailed dimensions of the 5 CORE PA Speaker.

4. Setup and Installation

The 5 CORE PA Speaker is designed for straightforward installation. Follow these steps for optimal performance.

Mounting Instructions:

1. **Choose Location:** Select a suitable mounting location that provides clear sound projection and is structurally sound. The speaker can be mounted on various surfaces including brick, concrete, or wood walls.
2. **Attach Bracket:** Secure the adjustable mounting bracket to your chosen surface using the provided hardware. Ensure it is firmly attached to prevent movement.
3. **Position Speaker:** Attach the PA speaker to the mounted bracket. The bracket allows for a 180-degree swivel, enabling you to direct the sound precisely where needed.
4. **Secure Connections:** Connect the speaker wires to your amplifier or PA system. Ensure correct polarity (+ to + and - to -) for optimal sound quality.



Installation

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Brick Wall

Concrete

Wood Wall



**Easy
to install
on any
type
of wall**

Figure 4.1: The speaker can be easily installed on various wall types including brick, concrete, and wood.



Figure 4.2: The 90-degree swiveling bracket allows for flexible positioning and sound direction.

5. Operating Instructions

Once installed, operating your 5 CORE PA Speaker is simple. It is designed to work seamlessly with most standard audio systems.

1. **Power On:** Ensure your amplifier or PA system is connected to a power source and turned on.
2. **Volume Control:** Adjust the volume level on your amplifier or PA system to the desired output. Start with a low volume and gradually increase it to avoid sudden loud noises.
3. **Audio Input:** Provide audio input from your microphone, music player, or other audio source to your amplifier.
4. **Sound Projection:** Utilize the adjustable bracket to fine-tune the direction of the sound for optimal coverage in your space.

Video 5.1: An overview of the 5 CORE PA Speaker's features and applications, demonstrating its sound projection capabilities and suitability for various environments.

6. Maintenance

To ensure the longevity and optimal performance of your 5 CORE PA Speaker, follow these simple maintenance guidelines:

- **Regular Cleaning:** Wipe the exterior of the speaker with a soft, dry cloth to remove dust and dirt. For stubborn grime, a slightly damp cloth can be used, but ensure no moisture enters the speaker grille.
- **Inspect Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion. Loose connections can affect sound quality.
- **Bracket Check:** Verify that the mounting bracket and hardware remain tight and secure, especially if the speaker is exposed to vibrations or harsh weather.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, solvents, or strong detergents, as these can damage the ABS material and finish.
- **Environmental Protection:** While weatherproof, avoid prolonged exposure to extreme conditions such as direct heavy rain, snow, or excessive heat to maximize lifespan.

7. Troubleshooting

If you encounter any issues with your 5 CORE PA Speaker, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound Output	Loose or incorrect wiring; Amplifier off or faulty; Input source issue.	Check all speaker wire connections for proper polarity and tightness. Ensure amplifier is powered on and functioning. Verify audio input source is working.
Distorted Sound	Volume too high; Incorrect impedance match; Damaged speaker cone.	Reduce volume on amplifier. Ensure speaker impedance (8 Ohm) matches amplifier output. Inspect speaker cone for visible damage.
Low Volume	Volume setting too low; Weak input signal; Amplifier underpowered.	Increase volume on amplifier. Check input source signal strength. Ensure amplifier power output is sufficient for the speaker.
Intermittent Sound	Loose connections; Faulty cable; Overheating amplifier.	Check and secure all connections. Try a different audio cable. Allow amplifier to cool down if it feels hot.

If the problem persists after trying these steps, please contact 5 CORE customer support for further assistance.

8. Warranty and Support

Your 5 CORE PA Speaker comes with a**Limited Warranty**. Please retain your proof of purchase for any warranty claims.

Warranty Information:

The Limited Warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

Customer Support:

For technical support, warranty inquiries, or replacement parts, please visit the official 5 CORE website or contact their customer service department. Refer to the contact information provided on the product packaging or the official brand store for the most up-to-date details.

You can also visit the 5 CORE Store on Amazon for more information and support:[5 CORE Store](#)