USER / INSTALLATION MANUAL

MS-BX3020

2 WAY FULL RANGE CABIN SPEAKERS



FUSION Electronics New Zealand FUSION Electronics Australia FUSION Electronics Europe FUSION Electronics USA FUSION Electronics Pacific

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FOR THOSE WHO ENJOY THE FINER THINGS IN LIFE

Introducing high-end audio for the marine cabin environment, designed for exceptional sound in any vessel. This now represents the highest quality purpose-built marine audio equipment from FUSION.

Carefully designed and manufactured specifically for use in a marine environment, whilst maintaining superb sound quality.

The FUSION MS-BX3020 features a 3" Bass/Mid speaker, with a waterproof paper cone, and a fluid cooled fabric dome tweeter. Constructed with a magnet system that produces high efficiency from a small box.

FAMILY, FRIENDS, FUSION

It's what boating is all about.

REGISTER YOUR PRODUCT ONLINE:

For your own peace of mind, register your product purchase online at

www.fusionelectronics.com

We'll keep you up to date with any news related to your product or new accessories to help you get the most from your product.

All FUSION True Marine Products are backed by a 3 Year Limited Consumer Warranty and by Registering your product you can be assured that if the unexpected occurs we'll have your details and be ready to help.

RECORD YOUR PRODUCT DETAILS HERE:

MODEL NUMBER:	
DATE OF PURCHASE:	
AFFIX RECEIPT HERE:	

THIS IS TRUE MARINE



FUSION'S STAMP OF QUALITY AND ASSURANCE

True Marine products are designed and engineered at FUSION's industrial design headquarters in Auckland, New Zealand specifically for the marine environment.

This True marine product has been engineered to produce outstanding crystal clear sound, designed for dry area installation.

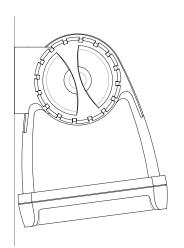
Any product that bears the True Marine seal of assurance has been designed for simplicity of use, combining the most advanced marine technologies to produce and unrivalled entertainment experience. All True Marine products are supported by FUSION's 3 Year Limited Consumer Warranty.

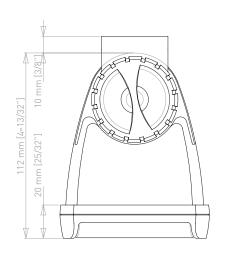
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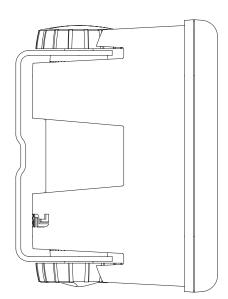
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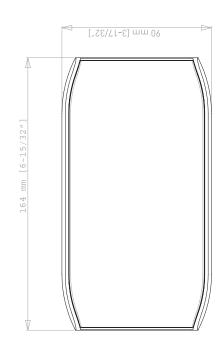
YOU CAN HELP PROTECT THE ENVIRONMENT

Please remember to respect the local regulations. Hand in the non-working electrical equipment to an appropriate waste disposal centre.









CONTENTS OF THE BOX:

2 x Speakers

2 x Fully tinned speaker wires

2 x Mounting Brackets

4 x Mounting knobs and washers

4 x Stainless Steel Mounting Screws

Manual

Warranty Card

SPECIFICATIONS

Woofer Size: 3"

Cone Material: Waterproof paper

Tweeter Type: Fabric Dome

Box Type: Sealed, ABS

Peak Power (watts): 100

Efficiency (1W/1M): 85 db

Frequency Response: 200 Hz – 20 kHz

Impedance: 4 ohms

DIMENSIONS Length 164mm 6-15/32"

Width 90mm 3-17/32"

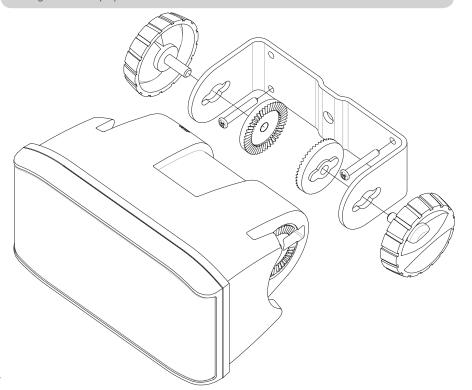
Depth 112mm 4-13/32"

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INSTALLATION GUIDE

- 1. Check mounting position for adequate space (see caution)
- 2. Place the mounting bracket in position, then mark and drill mounting holes.
- 3. Place the mounting bracket and affix with supplied screws.
- 4. Connect the wires from the source unit to the cabin speaker ensuring the correct polarity is observed.
- 5. Attach the cabin speaker to the bracket using the washers and mounting knobs supplied.
- 6. Adjust the angle of the speaker to the preferred position before tightening the mounting knobs.

CAUTION: For speaker mounting restrictions related to Magnetic interference, please refer to the manufacturers recommendations for any navigational equipment.



INSTALLATION TIPS

Any speaker will only perform to its best capabilities, when correctly placed in the listening area. FUSION Engineers recognise that unlike a home or motor vehicle installation, there are an extremely wide range of marine environments where speakers may be placed.

FUSION MS-BX3020 full range marine speakers are optimised and tuned to work perfectly with the MS-AB1060R Active Subwoofer with a 2 channel speaker amplifier which not only powers the speakers but also adds impressive low end to the audio experience, a little thought and care with placement of the speakers will result in better sound.

- High frequencies are directional. Placing the speakers low down in the boat will lose some of its information.
- Speakers should be placed to simulate a "sound stage", by being placed where you are able to hear both speakers in a stereo situation.

TROUBLESHOOTING

Before you contact your FUSION dealer or service centre, FUSION requires that you do some simple troubleshooting to help diagnose or resolve the problem.

PROBLEM	SOLUTION
No Sound	Check all connections from the source unit amplifier to the speaker terminals are connected correctly.
System lacks in bass	Check the connections from the source unit/amplifier to the speaker. Check Polarity.
System lacks in high frequencies:	Check Polarity Check the bass / treble control settings on the source unit.
Distorted sound	Check all wiring Check that it is not the surrounding panels of the craft rattling. Check connections from the source to the speaker.

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