

# FUSION®

USER / INSTALLATION MANUAL



MS-EL602

6" 2-WAY MARINE SPEAKERS



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## REGISTER YOUR PRODUCT ONLINE

For your own peace of mind, register your product purchase online at [www.fusionelectronics.com](http://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.

## RECORD YOUR PRODUCT DETAILS HERE:

SERIAL NUMBER \_\_\_\_\_  
DATE OF PURCHASE \_\_\_\_\_  
AFFIX RECEIPT HERE

## CONTENTS OF BOX

FUSION Marine speakers have been thoroughly tested to ensure consistent and reliable performance. The shallow mount design of the MS-EL602 speakers ensure simple installation, the sleek and styled grille design is a complement to any vessel while maintaining environmental protection and sound quality as the core focus.

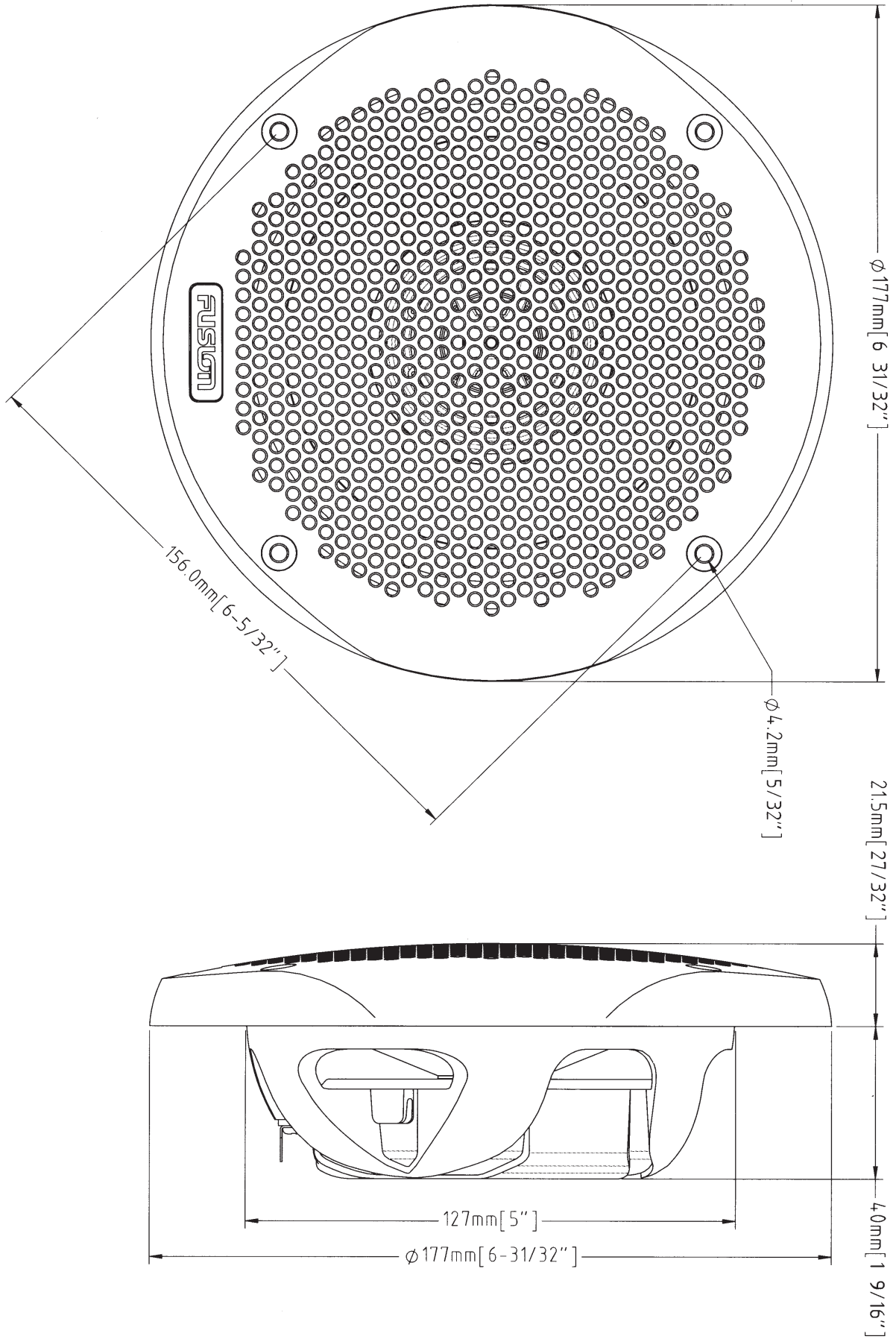
### LIST OF CONTENTS

- 2 x Speakers
- 2 x Tinned Speaker Wire
- 8 x Stainless Steel Mounting Screws
- 1 x Mounting Template
- 2 x Mounting Gaskets
- User Manual
- Warranty Card

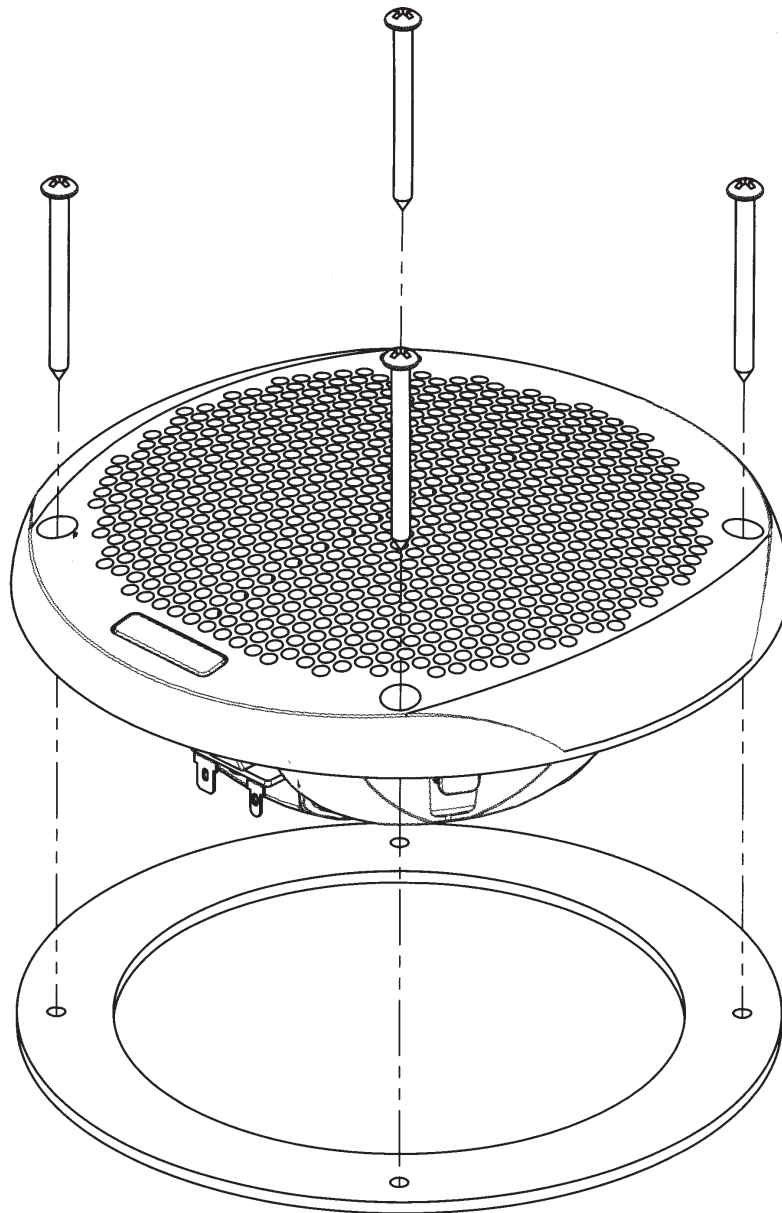
## PRODUCT SPECIFICATIONS

Peak Power:	150 Watts
Woofer Size:	6"
Cone Material:	Polypropylene
Tweeter Type:	PEI
Efficiency (1W/1M):	85 dB
Frequency Response:	60Hz - 22kHz
Impedance:	4 Ohm
Min Mounting Depth	
Clearance:	41mm (1-5/8")
Mounting Diameter:	130mm (5-1/8")

# LINE DRAWINGS & DIMENSIONS



## INSTALLATION GUIDE



1. Check mounting position for adequate space (See caution).
2. Place the mounting template in position, then mark and drill the mounting holes.
3. Connect the wires from the source unit to the speaker ensuring the correct polarity is observed.
4. Place the mounting gasket and insert screws
5. Fasten screws to ensure a water tight seal

**CAUTION:** For speaker mounting restrictions, please refer to manufacturers recommendations for related navigation equipment

## INSTALLATION TIPS

Any speaker will perform to its best capabilities, when correctly placed in the listening area. FUSION Engineers recognise that unlike a home or motor vehicles installation, there are an extremely wide range of marine environments where speakers may be placed. FUSION Marine Speakers are optimised to perform in the widest possible range of mounting locations, but a little thought and care with placement will always be rewarded with better sound.

- High frequencies are directional. Placing the speakers low down in the boat will lose some of this information.
- Speakers should be placed to simulate “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 avoid returning the product unnecessarily.

<b>Problem</b>	<b>Solution</b>
No sound	Check all connections from the source unit/amplifier to the speaker terminals are connected correctly
System lacks in bass	Check all connections from the source unit/amplifier to the speaker. Ensure the positive wire from the source is connected to the positive of the speaker.
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 unit to the speaker.



### YOU CAN HELP PROTECT THE ENVIRONMENT

Please remember to respect the local regulations:

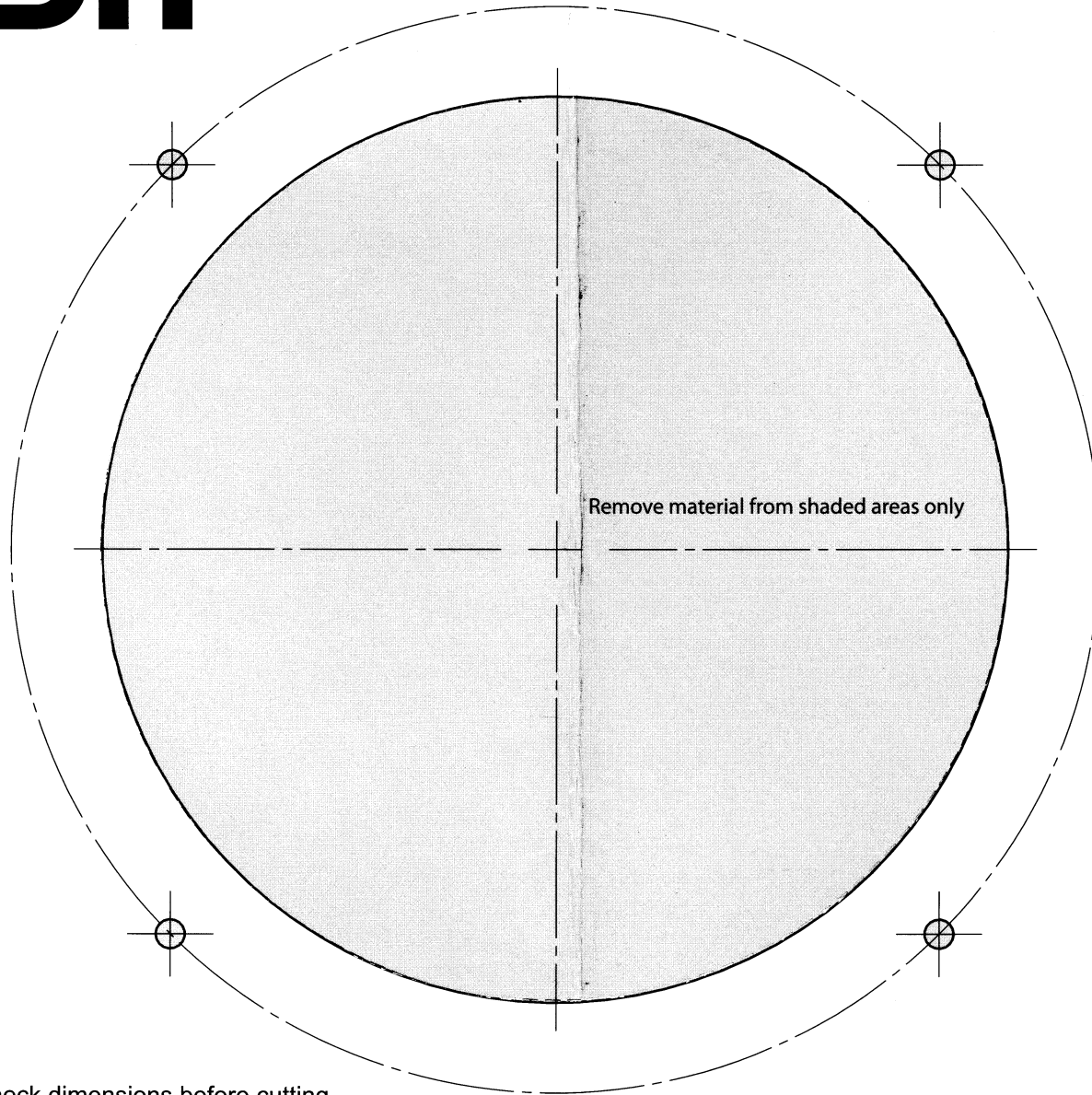
Hand in the non-working electrical equipment to an appropriate waste disposal centre.

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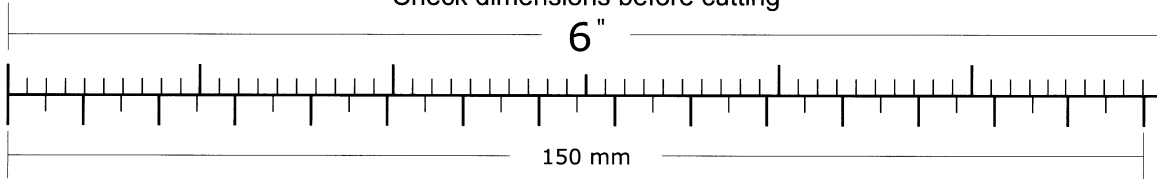




Check dimensions before cutting

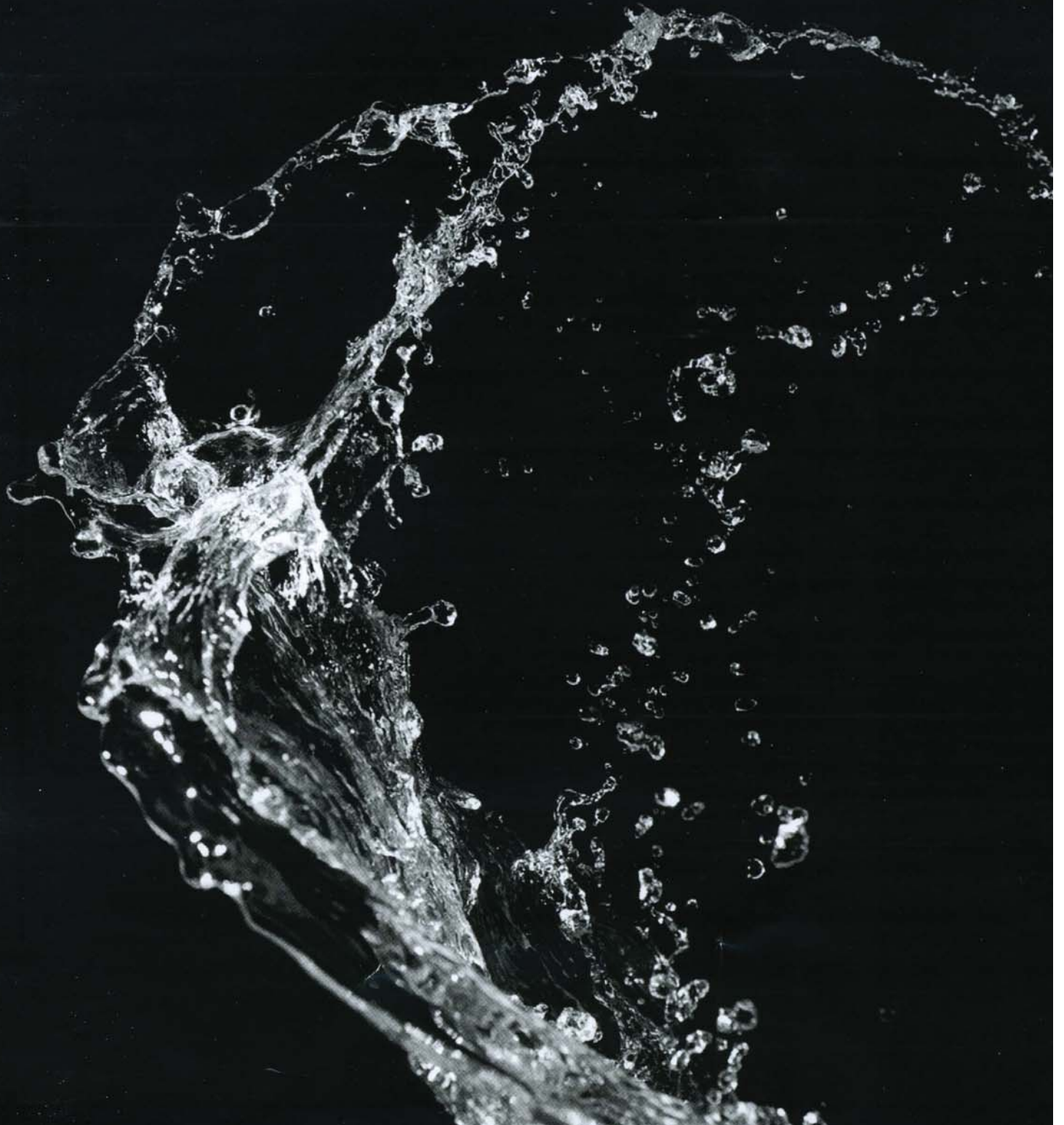
6"

150 mm



**FUSION**<sup>®</sup>

**LIMITED 1 YEAR MARINE  
CONSUMER WARRANTY**



## **LIMITED 1 YEAR MARINE CONSUMER WARRANTY**

**FUSION Electronics Limited ('FUSION') warrants that this FUSION Marine product is free from defects in material and workmanship, according to the following terms and conditions:**

- The initial limited warranty for the FUSION product purchased extends to the first 12 months beginning on the date of purchase of the product
- The limited warranty extends only to the original consumer purchaser (consumer) of the product and is not assignable or transferable to any subsequent purchaser/end user.
- The limited warranty extends only to consumers who purchase the product in one of the countries (or areas) set forth on **www.fusionelectronics.com**. The limited warranty is only valid in FUSION's intended country (or area) of sale of the product.
- During the limited warranty period, FUSION or its authorised service network will repair or replace (at FUSION's discretion), any defective product or parts thereof with new and return the product to the consumer in working condition. No charge will be made to the consumer for either parts or labour in repairing or replacing the product. All replaced parts and cosmetic parts should be free of defects at the time of shipment and, therefore shall not be covered under these limited warranty terms.
- Repaired product will be warranted for the balance of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.
- All warranty claims must be accompanied with a copy of this warranty card, and a copy of proof of purchase.

**The consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:**

- The product has been subject to: abnormal use, abnormal conditions, improper storage, unauthorised modifications, unauthorised connections, unauthorised repair including but not limited to use of unauthorised spare parts in repairs, misuse, neglect, abuse, accident, alteration, improper installation, acts of God, spill of foods or liquids, maladjustment of customer controls or other acts which are beyond the reasonable control of FUSION, including deficiencies in consumable parts such as fuses, and breakage or damage to antennae unless caused directly by defects in materials or workmanship, and normal wear and tear of the product.
- FUSION was not notified by the consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.
- The product serial number or the accessory date code has been removed, defaced or altered.
- The product was used with or connected to an accessory not supplied by FUSION or fit for use with FUSION product, or used in a manner other than its intended use.

**If a problem develops during the limited warranty period, the consumer should take the following step-by-step procedure:**

1. The consumer shall return the product to any authorised FUSION dealer in authorised sales countries for repair or replacement processing. FUSION assumes no freight or shipping responsibility for returning goods to an authorised FUSION dealer, or return freight from an authorised dealer to the consumer submitting the warranty claim.
2. The consumer shall be charged for any parts or labour charges not covered by this limited warranty. The consumer shall be responsible for expenses related to removal and reinstallation of the product.
3. If the product is returned to FUSION after the expiration of the warranty period, FUSION'S normal service policies shall apply and the consumer will be charged accordingly.

**THE BENEFITS CONFERRED BY THIS LIMITED WARRANTY APPLY TO THE EXTENT THAT THEY ARE NOT SUPERCEDED BY ANY OTHER RIGHTS AND REMEDIES UNDER ANY APPLICABLE LEGISLATION THAT CANNOT BE EXCLUDED. OTHERWISE, TO THE EXTENT PERMITTED BY LAW, ANY IMPLIED WARRANTY IS EXCLUDED AND THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. TO THE EXTENT PERMITTED BY LAW, FUSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, OUT OF USE OR INABILITY TO USE THE PRODUCT.**

- Some states in America do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights which may vary from state to state.
- FUSION neither assumes nor authorises any authorised service centre or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this warranty.
- All warranty information, product features and specifications are subject to change without notice.