

waterproof!

digiSOUND5m

digital sound module
RC BOATS

Introduction

The digiSOUND5m has been designed as a super small, easy to use and easy to install, waterproof sound solution for RC model boats.

All engine sounds are derived from real boats and transferred to the 16-bit replay technology inside the digiSOUND sound module.

The high power micro processor at the heart of the digiSOUND5m enables realistic sounds to be played in the minimum of space helping achieve a greater realism for your model.

digiSOUND the future of realistic model boats!

The waterproof design of the digiSOUND sound modules makes them ideal for use in RC models, they are protected from bad weather and water so you can use your 'realistic' RC model in all conditions! Even the digiSOUND5m speaker is waterproof!!

Plug n Play technology allows you to install the digiSOUND sound module with no set up needed so you can be using your RC model with realistic sounds in minutes!

To start using your digiSOUND5m sound module all you need to do is plug the connector onto the sound module as shown above then connect the wires to the positions shown in the diagram. Carefully adjust the volume with a small screw driver and away you go!

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To positive battery

We advise fitting a 3A fuse here

(optional part number : FUSE10)

Power on LED

Volume up/down
(Use care when adjusting volume with screwdriver)

Auxiliary operation

AUX 1 (Engine start/stop) - As it comes, this auxiliary is looped to battery negative so is activated as soon as you connect to your battery. You can cut this loop and achieve control of this auxiliary by connecting it to battery negative via the Mtroniks switcher unit on a free channel or by connecting to negative battery via a relay or switch (see diagram above).

AUX 2 (Horn) - Can be activated by using the Mtroniks switcher unit on a free channel or by connecting to negative battery via a relay or push button.

Battery

AUX2
Horn

To negative battery

AUX1
Engine
Start/
Stop

To motor terminal
To motor terminal

Note on motor type
If connecting to a brushless motor, connect to any two of the three motor terminals.

Waterproof speaker
To be mounted in the model.

CAUTION! Ensure digiSOUND connector is correctly in position before connecting to the battery!

16-Bit
digital sound

Mounting the speaker

The speaker needs to be mounted in the model's hull to achieve the most realistic sound.

To do this you will need to cut a 45.0mm diameter hole in any flat upper section of your hull. This can be achieved using lexan scissors or a sharp craft knife (Please ask a parent or guardian to help with this).

Once the hole is cut, mount the speaker on the inside of the hull so that the speaker is visible through the hole.

Secure the speaker in place by running a bead of clear silicon sealant around the speaker, joining the speaker to the inside of the hull. Allow this to dry overnight.

Once the speaker is securely mounted in the hull it is ready to use, simply plug the speaker into the digiSOUND 5m module and go!

If you have any problems installing or using your digiSOUND sound module please feel free to contact our helpful support staff at www.mtroniks.net

Quick spec

Input voltage range	6.0 to 12.0V
Output power	0.5 to 4.0W RMS
Speaker impedance	4 to 8 ohms
Digital sound	16-Bit
Sound clip	Boat
Size	40 x 35 x 15mm
Weight	30g
Status LED	Yes
Waterproof	Yes
Impact resistant	Yes

LIMITED WARRANTY

Mtroniks Ltd. guarantee this product to be free from factory defects for 24 months from purchase date, verified by receipts. This does not cover suitability for specific applications, components worn by use, tampering, incorrect connection, alteration to original connectors, switches or wires (apart from the fitting of an in-line fuse), damage to batteries or other equipment through use, misuse or shipping damage. Our liability is limited to repairing or replacing units to original specification. Our liability will not exceed the cost of the product. By using this ESC, the user accepts all liability. We reserve the right to modify this guarantee without notice.

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