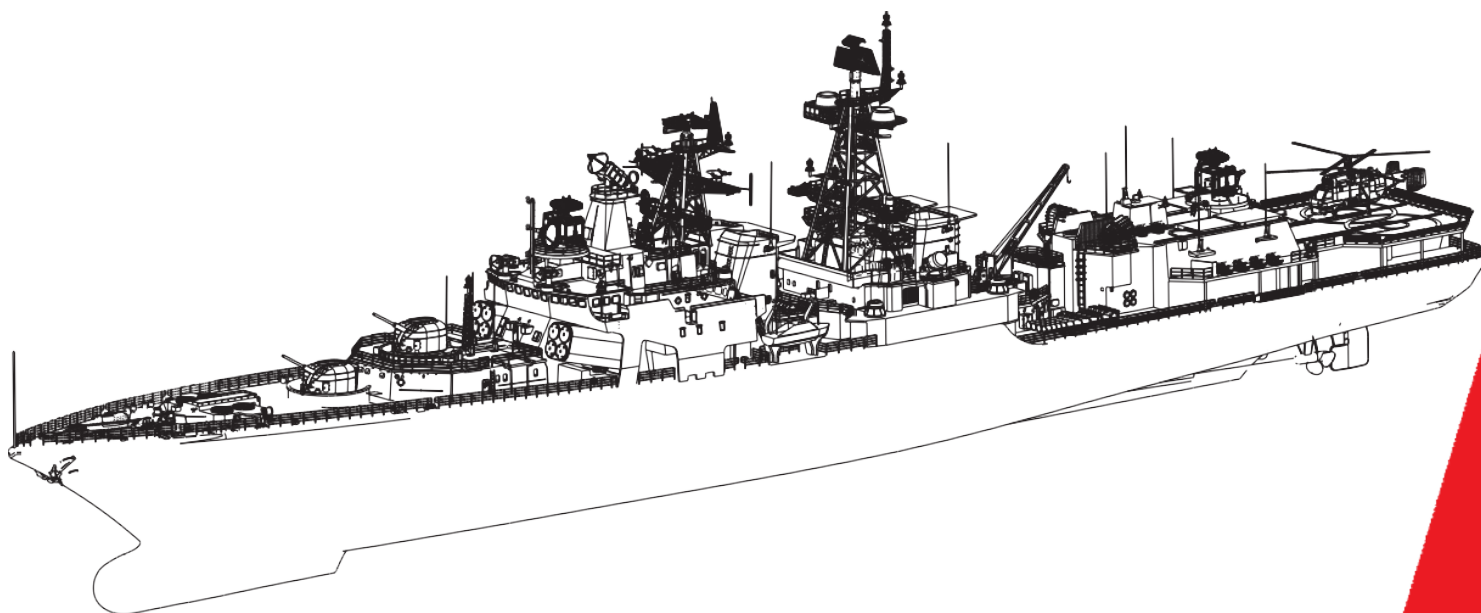


Manual

Russian Destroyer “Admiral Panteleyev”

Udaloy Class



Introduction

Thank you for purchasing the Graupner Udaloy Class Destroyer named after Admiral Panteleyev. This 1:100 scale ship sets a new standard where we have raised the bar with a new level of detail and added functionality making it the most complete premium line ship we have ever produced.

The Graupner Udaloy is an almost ready to run ship that requires only a radio and battery to operate. All the electronics such as rudder and turrets control are already pre-installed as well as the electronics to control the motors, lights and functional radars.

Read this manual carefully and follow the instructions to the letter especially where the light and radar configuration and wiring is explained.

If you experience any trouble during operation consult first the manual before asking your dealer or Graupner Service Center for support.

Due to technical changes, the information in this manual may be changed without prior notice. You can stay updated by visiting our website and by subscribing to our newsletter.

To maintain this condition and to ensure safe operation, you must read and follow this user manual and the safety notes before using the product!



NOTE

This manual is part of that product. It contains important information concerning operation and handling. Keep these instructions for future reference and give it to third person in case you transferred ownership of the product.

Service and Support

Graupner USA
3941 Park Dr Suite 20-571
El Dorado Hills, CA 95762
United States

+1-855-572-4746
Monday to Friday – 9:00 am – 4:00 pm PST
Email: service@graupnerusa.com
www.graupnerusa.com

Contents

- GFK molded hull
- Structures and decks made of CNC milled plastics
- Professionally painted hull and upper deck and structures
- 550 size electric motors
- Installed propeller shafts
- 30A speed controller
- High torque rudder servo
- High torque turrets servos (2)
- Working navigation lights
- Working radar micro motors
- Electronic on/off controller for lights and radars
- EC3 battery cable for motor, speed controller and on/off controller
- Boat stand (needs assembly)
- Operating manual

Most of the contents has already been installed and will not require any assembly or tools to finish.

Technical Data

Length	1650mm – 65 inches
Width	300 mm – 11.81 inches
Height	640 mm – 25.20 inches
Weight	11 Kg – 24 lbs.
Scale	1:100
Radio	Minimal 5 channels
Battery	6V PB or 2S LiPo batteries
Difficulty Level	Expert



NOTE

Receiver, batteries and transmitter are not included and are separately available from Graupner

Recommended Accessories

Part Number	Description
33016	mc-16 8 Channel Radio
768	6V 10Ah PB Battery
2386.F	Sound Switch V2
2387	Fixing Frame for Boats

Safety Notes



GENERAL

These safety instructions are intended not only to protect the product, but also for your own and other people's safety. Therefore, please read this section very carefully before using the product!

Do not leave packaging materials lying around as it may become a dangerous toy for children.

Persons, including children, with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, or not capable to safely use the transmitter must not operate the transmitter without supervision or instruction by a responsible person.

Symbol Explanation



Always observe the information indicated by this warning sign. Particularly those which are additionally marked with the **CAUTION** or **WARNING**. The signal word **WARNING** indicates the potential for serious injury, the signal word **CAUTION** indicates possibility of lighter injuries.



The signal word **NOTE** indicates potential malfunctions.

Unpacking

The Udaloy Class Destroyer comes in a large and heavy box. If you notice any outside damage to the box, please refuse the package for return to our warehouse. We cannot replace or return the product after acceptance under any condition!

NOTE



After unwrapping the protective shipping wraps and straps have someone assist you with opening the box and lifting the model out of the box. Do not attempt to do this by yourself as damage to the model may occur!

Before lifting the model out of the box locate the boat stand parts on the side of the box where it usually sits between the packaging foam and the cardboard and assemble it.

Carefully lift the model out of the box and place it on the boat stand. Make sure that there is plenty of clear space around the boat stand before placing to model on it.

The model superstructure and hull are strapped together for shipping purposes. The straps need to be removed by carefully cutting them until all straps have been removed.

Connections

Each of the superstructures of the Udaloy can be removed for access to the electronics. The superstructures are already wired to the radar motors and navigation lights. A single wire with a JST connector powers both the motors and lights and is connected to a power wire extender with JST plugs that connects to the electrical switching module.

NOTE



The operating voltage on the Udaloy for the radar motors and lights is 3V. Exceeding that voltage will most likely cause damage to the lights or motors. Always use the supplied switching module.

The Udaloy comes with a 30A waterproof ESC with a built in BEC. The BEC can provide power to the receiver, steering servo and 2 turret servos'. If you plan to use more electronics with your receiver or think you will be overloading the BEC with excessive use of the servos we recommend installing a separate BEC or power source to avoid overloading the existing BEC.

Always consult the Udaloy wiring diagram if you plan to make any changes to your setup.

Maintenance

The product requires regular care and maintenance. When using a LiPo battery always make sure that you remove the battery from the Udaloy after use and when charging.

Grease the rudder and propeller shafts regularly with a marine type of grease product

You can clean the surfaces with a damp cloth but do not use solvents that can potentially damage the paint.

Environmental Protection



This symbol on the product, user manual or packaging indicates that this product must not be disposed of with other household waste at the end of its life. It must be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

The materials are recyclable as marked. By recycling, material reusing or other forms of scrap usage you are making an important contribution to environmental protection.

Batteries and accumulators must be removed from the device and disposed of at an appropriate collection point. Please inquire if necessary from the local authority for the appropriate disposal site.

Warranty

Graupner, warrants this product for a period of 24 months from the date of purchase. The warranty applies only to the material or operational defects already existing when you purchased the item. Damage due to misuse, wear, overloading, incorrect accessories or improper handling are excluded from the warranty. The legal rights and claims are not affected by this warrantee. Please check exactly the defects before a claim or sending in the product. Shipping the product to Graupner is at your own expense and in case the item is free of defects you may require paying return shipping. Graupner will not accept any returns with a provided RMA number.

The present construction or user manual is for informational purposes only and may be changed without prior notice. The current version can be found on the Internet at www.graupner.com on the relevant product page. In addition, the company Graupner has no responsibility or liability for any errors or inaccuracies that may appear in construction or operation manuals.

