



HOVERCRAFTmodels.com

Return Address:

Flexitech LLC
PO Box 412
Germantown, MD 20875-0412
USA



TO:



HOVERCRAFTmodels.com

Radio Control Hovercraft Kits, Plans & Parts



2005 Catalog

The Source for Model Hovercraft

- *Radio Control Hovercraft Kits*
- *Model Hovercraft Plans*
- *Motors, Batteries, Propellers*
- *Radios and Speed Controllers*
- *Science Fair Hovercraft Kits*
- *Model Hovercraft Materials*
- *RC Hovercraft Books*
- *Hovercraft Videos*

HOVERCRAFTmodels.com
PO Box 412, Germantown, MD 20875-0412
USA

Order Online at: www.hovercraftmodels.com
or by Phone: +1 (301) 947 1526

HOVERCRAFTmodels.com



Ready to Hover?

Radio control modeling is a rewarding hobby where pride in the creation and thrill of operating your own model is unmatched. Hovercraft-models.com has helped thousands of newcomers and seasoned veterans enjoy this hobby even more. We are always ready to share our enthusiasm and knowledge of the Hovercraft branch of the hobby.

For many years I looked around for kits and plans for RC Hovercraft and found there was very little available. Frustrated by my search I set about creating a range of RC Hovercraft designs and ultimately kits. I founded Hovercraftmodels.com to open up these designs to everyone. Now many years later we are proud to ship these products world-wide on a daily basis.

Hovercraft are the ultimate RC hobby with a mix of aircraft, boat and land vehicle. It's a great fun hobby for all ages and we continue to expand our range of products. There are always new ideas in our design and development lab ready to become the next generation of model Hovercraft products. Keep checking our web site for updates and new product announcements.

We take great pride in the quality of our customer service and the feedback we get shows you, our customers appreciate it. If you need help with any of our products just ask and we are always ready to help. If you need something you can't find to finish that new Hovercraft model you're building let us know and we are always happy to give advice.

Have fun hovering!

Kevin Jackson
Founder

HOVERCRAFTmodels.com

All prices in this catalogue are in US Dollars. Payment is accepted either online through our secure shopping cart, by phone, mail or by fax. We accept Visa or Mastercard. We can also accept checks drawn in US dollars. Shipping and handling will be quoted for the best available route at the time of shipping. Expedited shipping available on request. Local taxes will be added for orders placed within the state of Maryland. Note: for export orders local taxes may be applied in your country which is the customers responsibility.



Hovercraft Books

NEW! Introduction to Radio Control Hovercraft
by Kevin Jackson and Mark Porter - **\$22.95 Code: IRCH**

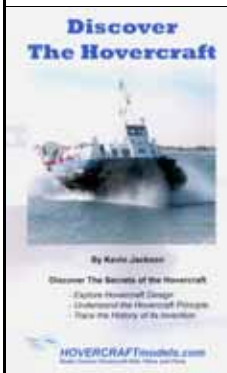


For the first time, this comprehensive tutorial brings together all the information required to design and build a successful radio controlled Hovercraft model. Includes:

- **Hovercraft principles**
- **Building for scale and sport**
- **Construction materials and techniques**
- **Lift fan design**
- **Selecting motors**
- **Electrical setup**
- **Skirt design**
- **Selecting radios**
- **Craft operation**

The book takes you through both the theoretical and practical aspects of the design and construction process.

Discover the Hovercraft - \$11.99 Code: DTH
By Kevin Jackson



This book takes you on a tour of the Hovercraft's secret world. Learn about the early days of cushion craft, modern day Hovercraft designs and try experiments to see the Hovercraft principle in action. Model Hovercraft designer Kevin Jackson traces the history of this extraordinary craft through early ideas and designs to modern craft. It looks at the operation of the craft and introduces you to radio control model Hovercraft designs.

The book includes experiments that demonstrate the Hovercraft principle using the momentum curtain effect as used by inventor Sir Christopher Cockerell. Illustrated with many drawings and photographs the principles are explained in theory and shown at work on real craft.

Discover the designs used for racing and large heavy lift craft as well as other applications of the Hovercraft principle. Find out about the design of the Hovercraft skirt, engines used to power the craft, and how lift and thrust are created. Learn how and where Hovercraft have been put to use all over the world in civil and military applications.

These books are also available at:
Amazon.com, Borders Books and Barnes and Noble



HOVERCRAFTmodels.com



Model Hovercraft Parts

GENERAL PARTS

Order Code - CMA2022 - 330 Motor Kit with 5x4.5 inch propeller, prop hub, 2 feet of wire and bullet connectors	\$19.95
Order Code - CMA2233 - Motor mount for 330 Motor.....	\$ 9.95
Order Code - CMA2024 - Motor mount for 400 Motor.....	\$ 9.95
Order Code - BA7217 - 7.2 volt 1700mA/Hr Nicad.....	\$22.00
Order Code - CHR723 - 3 Hour Charger for 7.2V Nicads(US 120v only).....	\$19.95
Order Code - MCC2022 - Motor for battery connector for our CMA 2022.....	\$ 5.95
Order Code - A2X - Airtronics 2 channel radio set with transmitter, receiver, one servo and servo arm kit (ratchet throttle kit included)	\$59.95
Order Code - 330MTR - 330 Motor with 2 feet of wire and bullet connectors	\$ 9.90
Order Code - 400MTR - 400 size motor	\$ 9.90
Order Code - PRM2022 - 6 x 3 propeller.....	\$ 4.50
Order Code - PRM2023 - 5 x 4.5 propeller.....	\$ 4.50
Order Code - ADP20 - Prop hub for 330 motor (2.0mm shaft).....	\$ 3.70
Order Code - ADP23 - Propeller hub to fit 400 motor (2.3mm shaft)	\$ 3.80
Order Code - ESC20 - 20 Amp speed controller for 7 or 8 cells.....	\$33.95

STEP 1-2-3 Hover & Kevin Jackson's ONLINE PLAN PARTS

Order Code - CMA2022 - 330 Motor Kit with 5x4.5 inch propeller, prop hub, 2 feet of wire and bullet connectors	\$19.95
Order Code - CMA2233 - Motor mount for 330 Motor.....	\$ 9.95
Order Code - CMA2024 - Motor mount for 400 Motor.....	\$ 9.95
Order Code - BA7217 - 7.2 volt 1700mA/Hr Nicad.....	\$22.00
Order Code - CHR723 - 3 Hour Charger for 7.2V Nicads(US 120v only).....	\$19.95
Order Code - MCC2022 - Motor for battery connector for our CMA 2022.....	\$ 5.95
Order Code - 330MTR - 330 Motor with 2 feet of wire and bullet connectors	\$ 9.90
Order Code - 400MTR - 400 size motor	\$ 9.90
Order Code - PRM2022 - 6 x 3 propeller.....	\$ 4.50
Order Code - PRM2023 - 5 x 4.5 propeller.....	\$ 4.50
Order Code - ADP20 - Prop hub for 330 motor (2.0mm shaft).....	\$ 3.70
Order Code - ADP23 - Propeller hub to fit 400 motor (2.3mm shaft)	\$ 3.80

HOVER HOPPER PARTS

Order Code - A2X - Airtronics 2 channel radio set with transmitter, receiver, one servo and servo arm kit (ratchet throttle kit included)	\$59.95
Order Code - PRM2022 - 6 x 3 propeller.....	\$ 4.50
Order Code - PRM0604 - 6 x 4 - 3 Blade propeller.....	\$ 4.95

KIT REPLACEMENT PARTS - All Kits

Order Code - PRM0403- 4 x 3 propeller.....	\$ 2.50
Order Code - PRM0604 - 6 x 4 - 3 Blade propeller.....	\$ 4.95
Order Code - SKTSK5 - Skirt Assembly for SK5.....	\$16.95
Order Code - SKTSRN5 - Skirt Assembly for SR.N5.....	\$16.95
Order Code - SKTEC - Skirt Assembly for ElectroCuiser.....	\$18.95
Order Code - SKTHDT - Skirt Assembly for Hover Demon Turbo.....	\$18.95
Order Code - SKTMS - Skirt Assembly for MicroStorm.....	\$16.95
Order Code - 400MTR - 400 size motor	\$ 9.90
Order Code - BA7217 - 7.2 volt 1700mA/Hr Nicad.....	\$22.00
Order Code - ADP23 - Propeller hub to fit 400 motor (2.3mm shaft) (All Kits).....	\$ 3.80

See our web site for a full listing of parts



Scale Radio Control Hovercraft Kits



Griffon 2000TDX RC Hovercraft, 1/30th Scale Model

This RC hovercraft kit was developed by our model development team with help from Griffon Hovercraft Ltd in Southampton, UK. This is a faithful reproduction of the craft at 1/30th scale

that is fully operational, just like the real craft and operates with standard, off the shelf RC equipment. Loaded with detail this model is low cost, very easy to build and great fun to operate!

The kit features independent lift and thrust motors and comes complete with all the parts to construct it. Included in the kit are the motors, propellers, motor mounts, ready to fit skirt, rudder horn, rudder push rods, full nuts and bolts kit, decal sheet and 20 page construction manual.

A True Scale, Full Feature Radio Controlled Hovercraft -

- Rough, tough non-rip skirt
- Use indoors or out - on water, ice or land
- Easy - unbolt and replace maintenance
- Easy electric setup, all motors, wire and connectors included
- Pre-molded, water proof body panels, bolt on skirt and all construction parts included

This model kit is molded in ABS (Lexan Transparent version) making an easy to build and robust craft. A small amount of silicone bath seal and model car body paint are required to finish the craft. Authentic scale color schemes for this craft can be found on our web site.

Specification

Craft size:

Length 18 inches - Width 8 inches - Height: 5 inches

Power: Electric - 8.4 Volt 600mA/Hr and greater capacity (mA/Hr) NiCad RC car battery

Motors: 280 size

Propellers: Thrust: 4 inch Ducted Fan Lift: 4 inch

Skirt: Ready made to bolt on - rip-stop Vinyl

Operating surface:

Water/ice or land (will float off of hover and return to full hover over water)

Rough/smooth surface capable. Will transition from water to land

Hover Height: 0.5—1 inch (no additional load other than kit as built fitted with radio, battery and ESC—as in our combo)

Speed: 10-15 MPH (dependant on terrain and operating conditions)

Radio Requirements: 2 or 4 channel land based RC systems (as used in RC cars and boats) . Typical range 1/4 mile

Speed Controller requirements: 5-20 Amp 7-8 cell Electronic Speed Controller

Order Code - GH-1 Griffon 2000TDX RC Hovercraft Kit..... \$99.95

Order Code - GHC1 Transparent Griffon 2000TDX RC Hovercraft Kit..... \$99.95



Radio Control Hovercraft Kits

SR.N5 Hovercraft, 1/24 Scale Model



Designed by British Hovercraft Corporation the SR.N5 was the first of a new generation of 'workhorse' hovercraft. It quickly became a popular craft after its initial launch and was used for a variety of ferry, survey and military applications. This craft set a new standard for hardy craft that could be adapted to many roles and the craft that followed this owed much to the development and trails of the SR.N5

A True Scale, Full Feature Radio Controlled Hovercraft -

- Rough, tough non-rip skirt
- Use indoors or out - on water, ice or land
- Easy - unbolt and replace maintenance
- Easy electric setup, all motors, wire and connectors included
- Pre-molded, water proof body panels, bolt on skirt and all construction parts included

This model kit is molded in Lexan and ABS making an easy to build and robust craft. It can operate on water, land or ice and uses two powerful motors to produce lift and thrust.

All the parts you require to build the craft including motors and propellers are in the kit. A small amount of silicone bath seal and model car body paint are required to finish the craft. Authentic scale color schemes for this craft can be found on our web site.

Specification

Craft size:

Length 23.5 inches - Width 16.5 inches - Height: 8.5 inches

Power: 7.2 or 8.4 Volt 1700mA/Hr and greater capacity (mA/Hr) NiCad RC car battery

Motors: 400 size

Propellers: Thrust: 5.5 inch Ducted Fan Lift: 6 inch

Skirt: Ready made to bolt on - rip-stop Vinyl

Operating surface:

Water/ice or land (will float off of hover and return to full hover over water)

Rough/smooth surface capable. Will transition from water to land

Hover Height: 1 -1.5 inch (no additional load other than kit as built fitted with radio, battery and ESC—as in our combo)

Speed: 10-15 MPH (dependant on terrain and operating conditions)

Radio Requirements: 2 or 4 channel land based RC systems (as used in RC cars and boats) . Typical range 1/4 mile

Speed Controller requirements: 20 Amp 7-8 cell Electronic Speed Controller

Order Code - SRN5RC - SR.N5 RC Hovercraft Kit..... \$179.95

Order Code - SRN5RCC - SR.N5 RC Hovercraft Kit Combo* ... \$299.95

* A Combo adds a 2 Channel Radio System (TX,RX), 20A Speed Controller and 7.2V 1700mA NiCad battery



Model Hovercraft Plans

Hover-Hopper - Glow Engine Powered Hovercraft -

This CD contains page after page of information and instructions, more than 200Mb of data. It carries all the drawings, photos and plans you need to build your own Radio Controlled Hover Hopper Hovercraft. This not just a set of plans but a full instructional manual.

The step-by-step instructions talk you through each stage of construction. It includes a full parts list with detailed specifications for all the parts you need for construction.

To help you get a better understanding the CD also includes instructional video clips and the software to view them right on the disk. A full set of detailed plan drawings is included for you to print out and study using the drawing viewer on the CD. It has never been made easier to build your own radio controlled model from plans!

Order Code - HHPCCR - Hover Hopper Plans and Manual CD ROM..... \$24.95



STEP 1-2-3 Hover™ - PLAN PACK -

First Step Model Hovercraft -

- Ideal for Science fairs and school projects/ experiments
- Full manual and set of plans in PDF format
- Includes Step by Step instructions
- All parts available in our Online Parts Store
- Manual contains Hovercraft theory and experiments to try



This 33 page pack includes 8 scale plans and a detailed construction, theory and experiment manual. Comes on one 3.5inch floppy disk in PDF format (PDF 3.0 or later reader required, available free as a download off the Adobe web site) Order Code - STP123PLN - Model Hovercraft Plans and Manual..... \$14.95

PARTS TO BUILD FROM THE ABOVE PLANS -

HOVER HOPPER - All the parts for the Hover Hopper are available from our Parts Store and these are also listed on page 10 of this catalog.

STEP 1-2-3 Hover - All the parts or a complete kit is available. See page 8 of this catalog for the kit. Our Online Parts Store lists all the p[arts for the Step 1-2-3 Hovercraft and they are also listed on page 10 of this catalog.



Science Project/Educational Hovercraft Kits

STEP 1-2-3 Hover™ - The Ultimate Science Fair Hover Kit! -

First Step Model Hovercraft -

- Ideal for science fairs and school projects
- Rough, tough non-rip skirt
- Use indoors or out
- No paint required
- Easy electric setup and run
- Easy to build, 2-3 hour construction time
- This is a complete kit to build the model in our Step 1-2-3 Manual and Plans on page 7



Kit includes motor, motor wire, motor connectors, propeller, propeller hub and deck materials to build an all electric Hovercraft model that will operate indoors or out. Comes complete with detailed step-by-step construction manual and plans.

Specification

- Craft size:** 20 x 16 inches
- Power:** 7.2 volt 1000mA/Hr and greater RC car battery
- Motor:** 330 size motor and 5 inch propeller
- Deck Structure:** Polyboard or foamboard construction
- Skirt:** Vinyl thermoformed, ready to bolt on
- Load Carrying:** up to 1 pound

Order Code - STEP123 - Step 1-2-3 Model Hovercraft Kit..... \$64.95
 Order Code - STEP123C - As above as a Combo* \$96.95

* A Combo adds a 7.2V 1700mA NiCad battery and 3 hour charger (Note US 120v AC compatible charger only available)

Easy-Build Hovercraft Kit - Ideal for school projects -

VERY POPULAR ITEM!

Low Cost Experimental Model Hovercraft -

- Ideal for science fairs and school projects
- Ready made Hover-skirt
- Use indoors or out
- Easy electric setup, uses 4 standard AA size batteries
- Easy and quick to build in simple steps



Kit includes motor, motor wire, motor connectors, propeller, propeller hub, battery box, power switch and deck materials to build an all electric Hovercraft model that will operate indoors or out. Comes complete with a detailed step-by-step construction manual. Some simple cutting and gluing of pre-printed parts required to complete the model. Requires 1-2 hours to complete.

Order Code - HVR603 - Easy-Build Hovercraft Kit..... **\$23.95**
 Order Code - BATAA4 - 4 AA batteries for above kit \$5.95



Radio Control Hovercraft Kits

US ARMY SK5 Hovercraft, 1/24 Scale Model Kit Model 7255 Assault Craft Air Cushion



The US Marines used the SK5 Hovercraft in Vietnam. Also known as the Patrol Air Cushion Vehicle or PACV (pronounced Pac-Vee), it was a derivative of the British SRN5 that was licensed to Bell for production in the USA. Two models were produced for the Army these being the 7235 and 7255 variants. This model depicts the 7255 of which three were made and used in Vietnam.

SK5 RC Hovercraft Features-

- Forward and reverse thrust capable
- Rough, tough non-rip skirt
- Use indoors or out - on water, ice or land
- Easy - unbolt and replace maintenance
- Easy electric setup, all motors, wire and connectors included
- Water proof body panels, bolt on skirt and all construction parts included

This model kit is molded in Lexan and ABS making an easy to build and robust craft. It can operate on water, land or ice and uses two powerful motors to produce lift and thrust. All the parts you require to build the craft including motors and propellers are in the kit. A small amount of silicone bath seal and model car body paint are required to finish the craft. Authentic scale color schemes for this craft can be found on our web site.

Specification

- Craft size:**
Length 23.5 inches - Width 16.5 inches - Height: 8.5 inches
- Power:** Electric - 7.2 Volt (7.2 or 8.4 volt) 1700mA/Hr and greater capacity (mA/Hr) NiCad RC car battery
- Motors:** 400 size
- Propellers:** Thrust: 5.5 inch Ducted Fan Lift: 6 inch
- Skirt:** Ready made to bolt on - rip-stop Vinyl
- Operating surface:**
Water/ice or land (will float off of hover and return to full hover over water)
Rough/smooth surface capable. Will transition from water to land
- Hover Height:** 1 -1.5 inch (no additional load other than kit as built fitted with radio, battery and ESC—as in our combo)
- Speed:** 10-15 MPH (dependant on terrain and operating conditions)
- Radio Requirements:** 2 or 4 channel land based RC systems (as used in RC cars and boats) . Typical range 1/4 mile
- Speed Controller requirements:** 20 Amp 7-8 cell Electronic Speed Controller

Order Code - SRN5RC - SR.N5 RC Hovercraft Kit..... \$179.95
 Order Code - SRN5RCC - SR.N5 RC Hovercraft Kit Combo* ... \$299.95
 * A Combo adds a 2 Channel Radio System (TX,RX), 20A Speed Controller and 7.2V 1700mA NiCad battery



Radio Control Hovercraft Kits - Sport

HoverDART, RC Racing Hovercraft



Designed as a racing craft the HoverDart sets new speed standards for RC Hovercraft on land and water. On water the craft climbs very quickly over hump speed from a standing start to high speed cruising. If you enjoy high speed RC boats or cars the HoverDart will not disappoint you.

A Full Feature Radio Controlled Racing Hovercraft -

- Rough, tough non-rip skirt
- Use indoors or out - on water, ice or land over dirt paving or snow
- Easy - unbolt and replace maintenance
- Easy electric setup, motor, wire and connectors included
- Pre-molded, water proof body panels, bolt on skirt and all construction parts included

This model kit is molded in Lexan and ABS making an easy to build and robust craft. It can operate on water, land or ice and uses a powerful motor to produce lift and thrust.

All the parts you require to build the craft including motors and propellers are in the kit. A small amount of silicone bath seal and model car body paint are required to finish the craft.

Specification

Craft size:

Length 24 inches - Width 16 inches - Height: 9 inches

Power: Electric - 7.2 Volt (7.2 ,8.4 or 9.6 volt) 1700mA/Hr and greater capacity (mA/Hr) NiCad RC car battery

Motors: 480 size

Propellers: Thrust: 6 inch, 3 blade Ducted Fan

Skirt: Ready made to bolt on - rip-stop Vinyl

Operating surface:

Water/ice or land (will float off of hover and return to full hover over water)

Rough/smooth surface capable. Will transition from water to land

Hover Height: 1 –1.5 inch (no additional load other than kit as built fitted with radio, battery and ESC—as in our combo)

Speed: 10-20 MPH (dependant on terrain and operating conditions)

Radio Requirements: 2 channel land based RC systems (as used in RC cars and boats) . Typical range 1/4 mile

Speed Controller requirements: 20 Amp 7-8 cell Electronic Speed Controller

Order Code - HDR, HoverDART RC Hovercraft Kit..... \$159.95

Order Code - HDRCombo - HoverDART RC Hovercraft Kit Combo* ... \$274.95

* A Combo adds a 2 Channel Radio System (TX,RX), 20A Speed Controller and 7.2V 1700mA NiCad battery



Radio Control Hovercraft Kits - Sport

Electro-Crusier Kit - Our Biggest Craft! -

ELECTRO Cruiser



Large Scale Radio Controlled Hovercraft -

- Forward and reverse thrust capable
- Rough, tough non-rip skirt
- Use indoors or out - on water, ice or land
- No paint required, water-proof body panels and skirt
- Easy - unbolt and replace maintenance
- Easy electric setup and run
- 1/4 mile range with standard RC radio
- Detailed construction manual on CD with photos and video clips

Twin Motor Radio Controlled Hovercraft kit. The ultimate in powerful RC Hovercraft! Runs on water, ice or land.

Kit includes all electrical parts, motors, gearbox, solder, motor wire, connectors, propellers and materials to build a fast, all electric, radio controlled Hovercraft that will operate indoors or out, on water or land. Comes complete with full size plans and a CD ROM step-by-step construction guide containing video clips and high resolution, full color photos. Will interface with our electronic speed controller and 2 channel radio which can be bought as a money saving combo with the kit.

Specification

Craft size:

Deck: 32 by 23 inches

Height: 15 inches

Power: 7.2 or 8.4 volt 1500 mA/Hr and greater NiCad RC car battery

Motors: Two 400 size - One for lift, one for thrust

Propellers: Thrust: 9 inch - 3 blade (via 2:1 gearbox) Lift: 6 inch - 2 blade

Skirt: Ready to fit, thermoformed in rip resistant Vinyl

Load Carrying: up to 3 pounds (with reduced hover height)

Operating surface:

Water, ice or land (will float off of hover and return to full hover) Will transition from water to land

Hover Height: 2 inches (no additional load other than kit as built)

Speed: 15-20 MPH dependant on terrain and operating conditions

Order Code - ECEK - Electro Crusier Kit.....\$199.95

Order Code - ECEKComb - As above as a Combo*\$324.95

* A Combo adds a 2 Channel Radio System (TX,RX), 20A Speed controller and 7.2V 1500mA NiCad battery