AUTOPILOT BUYERS GUIDE



Over 60 years & 43 NMEA awards
Trust Simrad to keep you on course.

SIMRAD
Go With Confidence

THE AUTOPILOT ADVANTAGE

Autopilot is one of the most satisfying upgrades you can add to any boat...

Compensating for wind and tide, a Simrad autopilot frees you from constant course corrections when you're busy trawling for game fish, planning your next destination, or just cruising.

Simrad's autopilot systems give you reliable and accurate control over your heading, without years of experience at the helm – saving you time and fuel by making efficient turns, and keeping you closer to your planned course.

Predetermined turn patterns and features such as automatic depth-contour following assist with fishing or diving: taking the helm so you have more time to spend on the offshore activities you love. When combined with a chartplotter such as Simrad's touchscreen-based NSS series, Simrad autopilots not only manage your current heading, but provide full course-control.

Set waypoints simply by tapping where you want to go on-screen, and your autopilot will take you there.

Need to navigate around an unexpected obstruction? Dodge functionality lets you do so without disengaging the autopilot. Once you've avoided the obstacle, your Simrad autopilot will bring you back on your original course.

A Simrad autopilot system acts like a trusted extra crewmember, ensuring there's always someone at the helm – even when you've got your hands full elsewhere on the bridge.









SIMRAD AT THE HELM

Simrad is a brand you can trust, with over 60 years of proven experience, 43 NMEA awards for its autopilot solutions, and more installed autopilots in operation today than any other brand.

We have the widest range of control options available, including integration with our Simrad multifunction chartplotters, standalone autopilot displays, remote steering levers, and even joystick control with our QS80 QuickStick™.

Simrad autopilots can steer almost any boat – cable steered, power assisted, hydraulic assisted, solenoid or electronic – with steering systems and autopilot computers to suit recreational vessels from 18-100 foot.

MAKE THE MOST OF YOUR TIME ON THE WATER





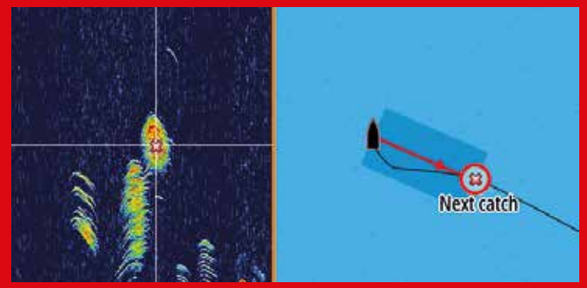
Stay in control: Our range of dedicated autopilot displays and controllers lets you create a control scheme that best fits your boating life.



Bring it all together: Integrate with a Simrad chartplotter/multifunction display to control your autopilot from a modern glass-bridge installation.



Chart your course: MFD integration gives you full course control with route navigation – lay down waypoints with just a touch.



Trackback: Combining a Simrad echosounder, chartplotter, and autopilot makes it easy for sportfishers to track back to promising targets right from the sonar view.



Maintain your heading: Our NoDrift steering compensates automatically for wind and current, without having to set routes or waypoints.



Follow the fish: Depth Contour Steering lets sportfishers automatically follow the contour of a dropoff or ledge.

What's right for your boat?

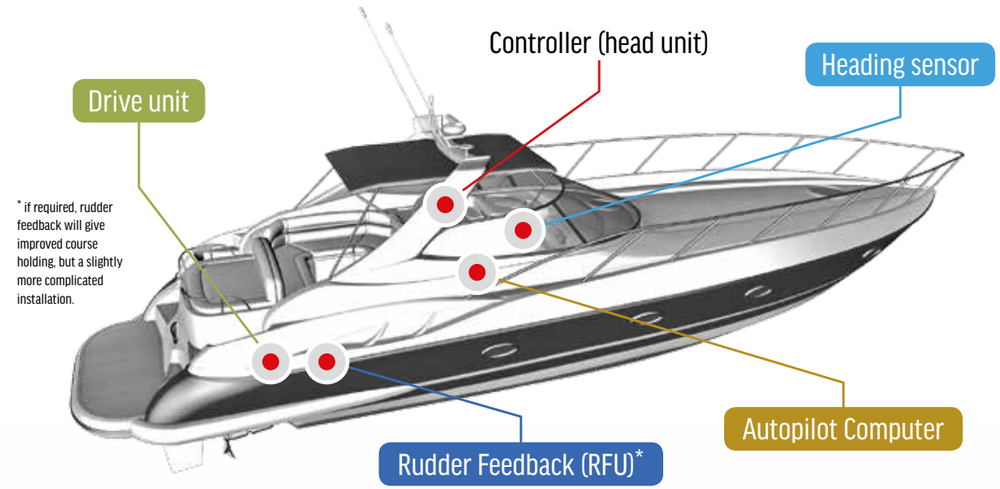


1 Choose Your Control Option
With a Simrad autopilot, the choice of display and controller – the parts of your autopilot you'll actually see and interact with – is up to you.

2 Know your steering system
Below deck, the steering mechanism and size of your boat decide what sort of autopilot computer and drive system you'll need – the hardware that actually moves your rudder and keeps track of its position.

3 Select your accessories
Add a steering lever or QuickStick™ joystick for precise heading control, easily create a dual-helm setup, or integrate your autopilot with sonar, radar and satellite navigation.

An authorised installer will ensure you get the right Simrad autopilot system for your vessel, and that it's set up to deliver the reliability and accuracy you need on the water.



1 Select your controller

NSO evo2
- Modular Performance Navigation System
- 16, 19 and 24-inch touchscreen or non-touch displays
- Full Pilot Control - Super Easy Operation
- Perfect for motoryachts, cruisers, and larger sportfishing boats

NSS evo2
- Combo GPS/Sonar and Chartplotter "All-in-One" Displays
- 7, 9, 12 and 16 inch touchscreen displays
- TouchSensible™ rotary dial and keypad controls
- Full Pilot Control - Super Easy Operation
- Fits most power cruising and sportfishing boats



NSO OP40 CONTROLLER
- Provides full autopilot control on non-touch NSO evo2 displays
- Combine with touchscreen displays for the best of both controls
- Rotary dial and alphanumeric keypad
- Tactile feedback and reliable control in all conditions

DESIGNED TO STEER YOUR BOAT
With dedicated autopilot button, rotary-dial steering on TouchSensible™ models, and full on-screen autopilot controls, our multifunction displays are all you need to control your Simrad autopilot.



AP70 COMMERCIAL GRADE AUTOPILOT:
For more information on our Professional line of Autosteering solutions at www.pro.simrad-yachting.com

NSS SPORT
- Recreational chartplotter/MFD system with built-in GPS & echosounder
- 7, 8 and 12-inch touchscreen displays
- TouchSensible™ rotary dial and keypad controls
- Full autopilot control

AP24 & AP28 DEDICATED AUTOPILOTS
- Dedicated autopilot display and controller
- AP28 model includes rotary dial for easy heading adjustment
- Use for standalone pilot systems or boaters that have limited dash space
- Easy to operate; standalone or as an additional pilot control station



IS40 + OP10
- Display and keypad provide full autopilot control
- Full-colour IS40 instrument panel can also show wind speed, depth, boat speed, heading, engine data and more

QS80 QUICKSTICK™
- Intuitive joystick for precision steering
- Full Control including STDBY/AUTO
- Simple and Easy to Operate
- Great add on to any Simrad system

2 Select your AP System based on your steering system

A. Know your steering system	B. Used on Typical Boat Types		Corepack	Pump/Drive
Hydraulic & Hydraulic Power Assisted (with RAM or Cylinder)	 Less than 35ft	Single Outboards	Low Current Virtual Rudder Feedback (VRF) AC12 RC42 000-11037-001	RPU80 21116165 Provides ideal response time of 10-13 secs for a typical hyd. cylinder (8-10 cubic in) to move full port to full starboard. AC12 Low Current computer for use with RPU80 and Solenoids.
		Twin Outboards (single hyd. cylinder <15 cubic in)		
		Inboards (steering cylinders < 15 cubic in)	Low Current w/Rudder Feedback AC12 RC42 RF300 000-11036-001	
	 35-50ft	Twin/Triple/Quad Outboards (Dual Cylinder or Cylinder Capacities 10-33 cubic in)	High Current -Virtual Rudder Feedback (VRF) AC42 RC42 000-11039-001	RPU160 21118203 Provides ideal response time of 12-13 secs for a typical dual hyd. cylinder (20 cubic in) to move full port to full starboard. AC42 High Current computer for use with RPU160.
		Inboards (Dual Cylinder or Cylinder Capacities 10-33 cubic in)	High Current w/Rudder Feedback Unit AC42 RC42 RF300 000-11038-001	
Electronic Steering Systems (Steer by Wire)	 25-70ft	Optimus 360	Optimus Kit 000-10906-001 RC42 000-10613-001 SG05 RC42	Not required - Electronic Steering integrates the drive
		Yamaha Helm Master™	Yamaha Kit 000-11286-001 SG05 RC42	
		Volvo IPS/EVC	Volvo Kit SG05 RC42	
		Viking Viper	Viper Kit SG05 RC42	
Helm Drive Cable Steered (Teleflex/Morse Steering)	 Less than 32ft	Single Outboards	Low Current Virtual Rudder Feedback (VRF) AC12 RC42 000-11037-001	S-Drive Helm Pump 000-10907-001
Solenoid Steering (Larger Vessels)		Inboards (Dual Cylinder or Cylinder Capacities 10-33 cubic in)	Low Current w/Rudder Feedback AC12 RC42 RF300 000-11036-001	
Mechanical Steering (Cable and Quadrant - Sailing Systems)		For the best in Sailboat Autosteering applications, visit www.bandg.com		

Note: This is by no means a comprehensive guide. For more detailed information and complete specifications - please visit your authorized Simrad dealer and/or visit www.simrad-yachting.com

3 Select your accessories

Remote Controller Options ↓


QS80


OP10


FU80


NF80

QS80 Joystick Steering	000-10184-001
OP10 Wired Remote	000-10932-001
FU80 Follow Up remote unit	000-10298-001
NF80 Non Follow Up remote unit	000-10185-001

Additional Displays ↓


NSS Sport


NSS evo2


AP24


AP28


IS40

Any Simrad NS Series MFD	Consult Catalog
AP24 4" Autopilot Display Head	22096267
AP28 Autopilot Control Head	22096366
IS40 colour Autopilot head and data repeater	000-10931-001

Alternative Heading and Feedback options ↓


RF25N


RF300


RF45X


FC40


RC42N


HS70

RF25N NMEA 2000 Rudder Feedback	000-10756-001
RF300 Standard Rudder Feedback	20193744
RF45X Medium Feedback Rudder Reference	22011415
FC40 Fluxgate Compass	22090187
RC42N NMEA2000 Rate Compass	000-10613-001
HS70 High Performance GPS Compass	000-10453-001

AUTOPILOT PACKAGES



IS40 PILOT PACK
000-11486-001

The IS40 pack combines an OP10 keypad with an IS40 full colour display. Features a full set of configurable instrument pages as well as a dedicated autopilot page.

Also includes:
AC12 RC42 RPU80





NSS7 PILOT PACK
000-11487-001

7" colour Autopilot & Chart/MFD Pack for outboard boats. Includes echosounder, rotary dial, full AP integration.

Also includes:
AC12 RC42 RPU80





AP24 HELM DRIVE PACK
000-10908-001

Our most economic pack, with AP24 controller and S-drive unit for smaller boats with cable steer outboard engines.

Also includes:
AC12 FC40 S-TYPE



AP24 VRF PILOT PACK
AP2403VRF

The AP24 VRF Autopilot Pack is a complete auto steering solution, designed for boats with outboard engines up to 45ft in length.

Also includes:
AC12 RC42 RPU80



☑ The Autopilot checklist

Step 1: Select Your Controller

What control options do I want?

Dedicated Controller:

- ☐ OP 10 / IS 40
- ☐ AP24*
- ☐ AP28

Integrated Navigation System:

- ☐ NSO evo2 System
- ☐ NSS evo2 System
- ☐ NSE System
- ☐ NSS Sport System*

*Refer to *Autopilot Packages* to see if a complete system package works for you

Step 2: What Corepack and drive do I need (Based on Steering System table)

- ☐ Low Current w/Virtual Rudder Feedback
- ☐ Low Current w/Rudder Feedback
- ☐ High Current w/Virtual Rudder Feedback
- ☐ High Current w/Rudder Feedback
- ☐ Other: .....
  (e.g. required SimNet backbone, different Heading Sensor, upgrade to Professional Pilot)

What Pump or Drive do I need? (Consult Step 2 Table)

- ☐ RPU80
- ☐ RPU160
- ☐ Other: .....
  (e.g. mechanical or linear)
- ☐ Not required - I have electronic steering system
- ☐ Not required - I already have an autopilot pump installed

Step 3: Select Accessories from Accessory Table

Do I want remotes, upgrades or any additional steering stations?

EUROPE/
MIDDLE EAST/AFRICA

Navico Logistics Europe BV
Donker Duyvisweg 56
3316 BM Dordrecht
The Netherland

Tel: + 31 78 65 30 000
Fax: + 31 78 65 30 055

Visit our website for a list of certified dealers

Use a QR Code reader app on your smartphone to access Simrad-Yachting.com

SIMRAD Advantage SERVICE

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