

Sales Bulletin

Attention: All Furuno Distributors/Subsidiaries

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NAVpilot

Model: **NAVpilot-300**

FishHunter™ Drive with SUZUKI Outboards Preliminary Introduction

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1. FishHunter™ Drive with SUZUKI Outboards

FishHunter™ Drive offers unique boat control features achieved through joint development with **FURUNO** and **SUZUKI**. In combination with the **NAVpilot-300** and one of the compatible **SUZUKI outboard engine** models, the following functions are available.

No	Function	Overview
1	Speed Control	The boat will run at a preset speed by automatically adjusting the engine RPM. (See Section 2.1)
2	Route Smoothing™	Speed will be reduced to smoothly turn at a waypoint when navigating on an active route with NAV mode. (See Section 2.2)
3	Auto Stop on Arrival	The boat will stop and remain fixed around the final destination on arrival. (See Section 2.3)
4	Point Lock™	The boat will remain fixed around a specific spot. (See Section 2.4)
5	SABIKI™ Lock	In addition to conventionally available SABIKI™ mode, the throttle is also controlled automatically between Reverse and Neutral. (See Section 2.5)

System Requirement

The following table shows required items for the FishHunter™ Drive. See [Section 4](#) for details of interconnection.

Item		Requirement
Engine	Compatible Suzuki Outboard Models	Engines compatible with Suzuki Precision Control :  DF140BG / DF115BG  DF300AP / DF250AP  DF200AP  DF350A / DF325A* / DF300B  DF175AP / DF150AP (*DF325A not solid in the US)
	Supported Qty	1 to 4 (max.), for boat length of 20 to 40 ft
	Others	For other components related to engine such as gateway, remote controller, etc., contact SUZUKI representatives for appropriate items onboard.
Autopilot		NAVpilot-300 (See Section 6 for software versions)
Display Device		NavNet TZtouch3 series – TZT9F/12F/16F/19F ver. TBD NavNet TZtouch2 series – TZT2BB ver. TBD GP-1871F/1971F ver. TBD SMD series – SMD7/9 ver. TBD and SMD12/16 v6.17 for active route output to SUZUKI engines, autopilot mode display, etc. (See Section 3 for details)
Navigation Data		Heading, position, speed sensors for autopilot control (SCX-20 recommended, rather than built-in GPS)

2. FishHunter™ Drive – Features

2.1. Speed Control

Boat speed is controlled to run at a preset speed between 5 to 50 knots by automatically adjusting the engine RPM.

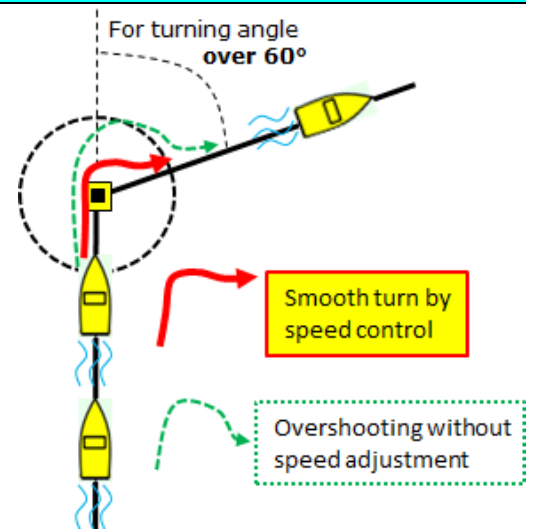


2.2. Route Smoothing™

When navigating with NAV mode on an active route with multiple waypoints, there are some cases where the boat deviates too much from a waypoint or route leg unless the arrival circle is properly set to match with the boat characteristics. With the **Route Smoothing™** function turned on, **boat speed will be automatically reduced to smoothly turn at a waypoint, without overshooting.**

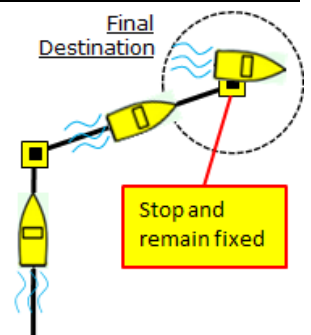
Note:

The speed adjustment works when the turning angle to the next leg is over 60°.



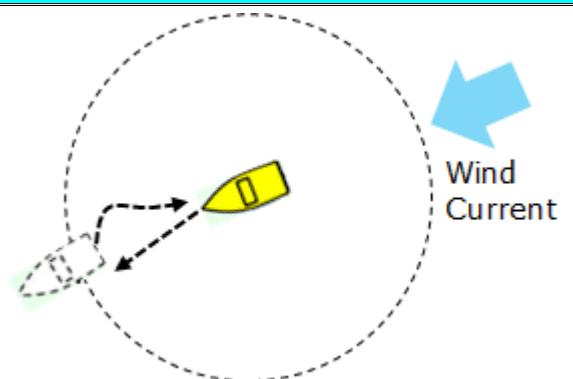
2.3. Auto Stop on Arrival and Stay Fixed

When arriving at the final destination with NAV mode, you had two options in the past: Go straight or keep running around the point. With the new function, **the boat can automatically stop at the final destination.** In addition, **the boat can remain fixed around the final destination with Point Lock™ mode turned on.** (See [Section 2.4](#) for Point Lock™ function.)



2.4. Point Lock™

You may want to remain fixed around a specific location to keep casting a lure to a structure such as a pier. However, it is difficult to focus on fishing because the boat will drift away unless you consistently steer the helm and adjust the throttle. **The Point Lock™ function will help the boat to remain fixed around a specific spot by controlling the rudder and clutch.**

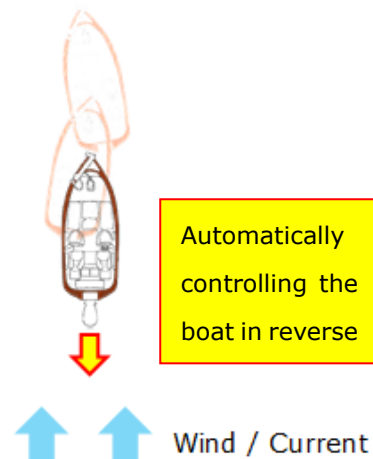


2.5. SABIKI™ Lock

The original **SABIKI™ mode** was introduced in 2015 starting with the **NAVpilot-711C**, as described in **Sales Bulletin FSB15-0004**. This function has also been made available with the **NAVpilot-300**. **With the conventional SABIKI™ mode, while the helm was steered automatically, you needed to shift the throttle down (for Reverse) and up (for Neutral).**

This effectively reduced the load of captains and helped them concentrate on fishing.

New **SABIKI™ Lock mode** offers additional benefits. **The throttle will be adjusted automatically between Reverse and Neutral** while the boat is reversed, freeing you to focus 100% on jigging and other vertical fishing!



3. Display Devices

The following displays networked via NMEA2000 can show the steering mode of NAVpilot-300, as well as other functions.

Display Device	Model
Multi Function Display	NavNet TZtouch3 series – TZT9F/12F/16F/19F ver. TBD
Multi Function Display	NavNet TZtouch2 series – TZT2BB ver. TBD
GPS Plotter w/Fish Finder	GP-1871F/1971F ver. TBD
Engine Gauge	SMD series – SMD7/9 ver. TBD and SMD12/16 v6.17

The following table summarizes the compatible functions on each display device.

No	Function	GP-1x71F Ver. TBD	SMD7/9 Ver. TBD	SMD12/16 V6.17	TZT2BB Ver. TBD	TZT9F/12F/16F/19F Ver. TBD
1	Point Lock™ Display	✓	✓	✓	✓	✓
2	SABIKI™ Lock Display	✓	✓	✓	✓	✓
3	SABIKI™ Lock Adjustment	–	–	✓	✓	✓
4	Turn Menu Setting	–	–	–	–	–
5	Route Output for 3 waypoints	✓	✓	✓	✓	✓

3.1. Point Lock™ and SABIKI™ Lock

GP-1871F/1971F and SMD7/9

While Point Lock™ and SABIKI™ Lock modes are activated with the NAVpilot-300, the GP-1871F/1971F and SMD7/9 show these screen modes on the Instrument page.

Notes:

- ✚ Point Lock™ and SABIKI™ Lock modes can be turned on from the NAVpilot-300 only.
- ✚ The NAVpilot-300 can be set to STBY from the GP-1871F/1971F or SMD7/9.

NavNet MFDs and SMD12/16

While Point Lock™ and SABIKI™ Lock modes are activated with the NAVpilot-300, the TZT2BB, TZT9F/12F/16F/19F, and SMD12/16 show these screen modes on the Data Box and Instrument page.

Point Lock™ Mode:

- ✚ Point Lock™ mode can be turned on from the NAVpilot-300 only.
- ✚ The NAVpilot-300 can be set to STBY from the NavNet MFDs and SMD12/16 by tapping on the Autopilot Window.

SABIKI™ Lock Mode:

- ✚ SABIKI™ Lock mode can be turned on from the NAVpilot-300 only.
- ✚ The set course can be adjusted with the NavNet MFDs and SMD12/16 by tapping on arrow icons in steps of 1° or 10°.
- ✚ The NAVpilot-300 can be set to STBY from the NavNet MFDs and SMD12/16 by tapping on the Autopilot Window.

3.2. Route Output

Three (3) waypoints are output via PGN: 129285 for an active route. (Previously, only two (2) waypoints were output.) This output will help the NAVpilot-300 to adjust the turning speed at each waypoint with NAV mode.



4. NAVpilot-300 Software Versions

The following table shows the details of NAVpilot-300 software versions to be compatible with the FishHunter™ Drive.

Release Schedule: May 2022

Unit	Block	New	Previous
FAP-3011 (Control Unit)	App	01.10	01.09
	Boot	01.06	01.05
FAP-3012 (Processor Unit)	-	01.09	01.08
GC-001 (Gesture Controller)	Main CPU Booter	01.05	01.04
	Main CPU Loader	01.03	01.02
	Main CPU App	01.07	01.06
	BLE RC-Block	02.02	02.01

5. Tips – Conventional FishHunter™ Mode

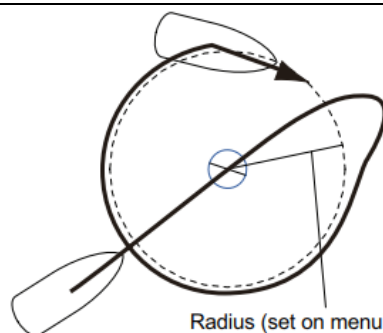
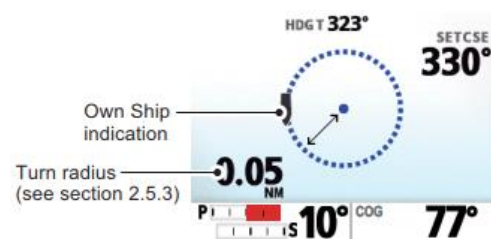
The conventional **FishHunter™ mode** offers unique navigation features for fishing with the NAVpilot-300 and NAVpilot-700 series. As an example, when you find a school of fish with a Fish Finder or a flock of birds with a Radar, drop a point on that target and feed it to the NAVpilot as TLL (Target L/L). The NAVpilot can maneuver in an **orbit**, **spiral**, **figure-eight**, or **zigzag** shape around the target. While the **FishHunter™ “Drive”** mode introduced in this document is available in combination with NAVpilot-300 and specific SUZUKI outboards, **these steering options with FishHunter™ mode are available with the NAVpilot-300 and NAVpilot-711C, without specific engine types required.**

Maneuvering options:



The following illustrations are extracted from the Operator's Manual of NAVpilot-300 to show how the boat is steered.

Orbit Turn



Spiral Turn

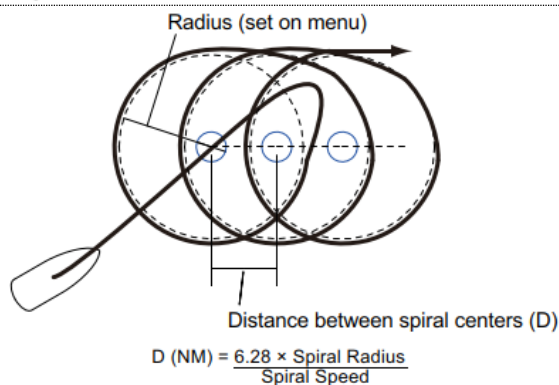
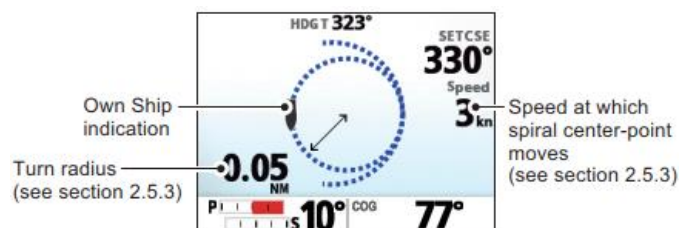
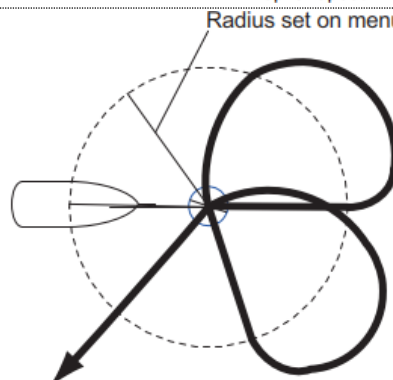
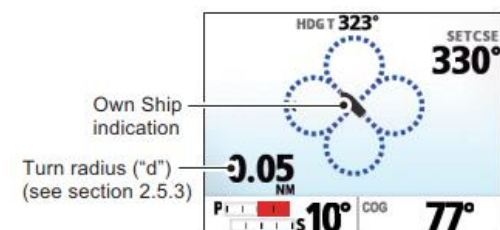
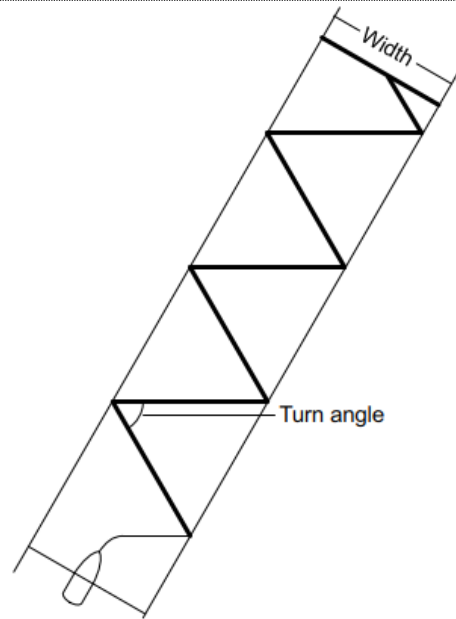
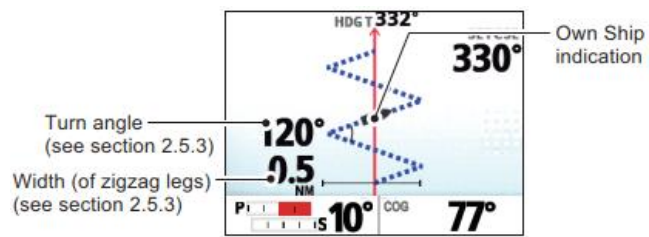


Figure-eight



Zigzag



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