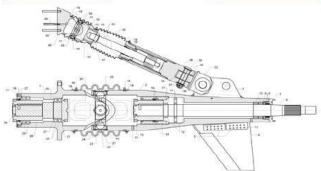




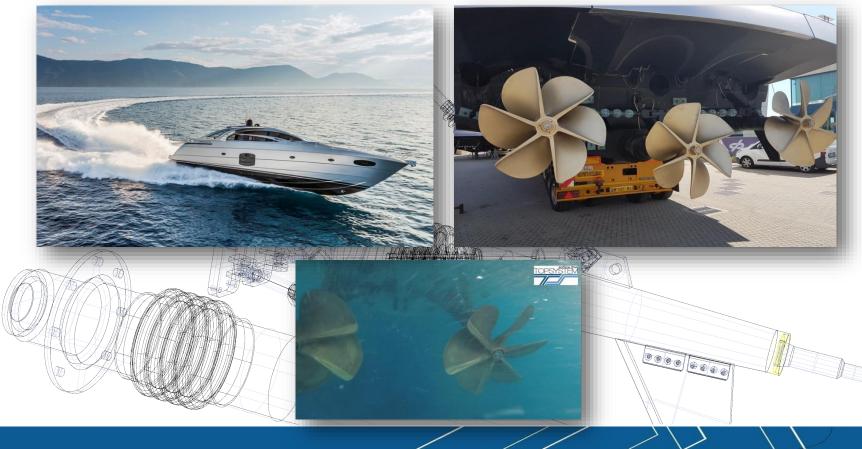
PROPULSION SYSTEM SURFACE PROPELLERS

ITALIAN INNOVATION AND TECHNOLOGY www.topsystemdrive.com - info@topsystemdrive.com





SURFACE DRIVES

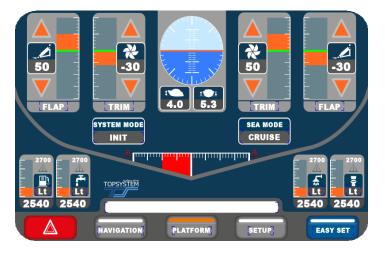




EASY SET TRADE MARK - EXCLUSIVE PRODUCTS

The electronic system device, employs a software which automatically adapts to the propulsions' position depending on the boat loading conditions and on the revolutions of the engine.

It is by intervening on both , trim and flap (INTERCEPTORS) that the vessel achieves its highest performance.



EASY SET Trim – flap - pitch –roll automatic control system



TOUCH SCREEN 10"

NAVICO SIMRAD INTEGRATION

TOUCH SCREEN 7"





Functions:

- control of trim tabs and shaft trimming
- steering assistance
- roll stabilization
- steering limitation at high speed
- maneuvering assistance
- shaft parking
- engine data monitoring
- aft platform control

THROTTLE MODE SELECTION STAND-BY THRUSTER DOCKING CRUISE DPS VMA MODE SELECTION SEA MODE SPEED SOLO CRUISE SPEED SOLO SYSTEM MODE SYSTEM MODE SPEED SOLO SOLO SOLO



Hardware overview





Service levels

- 1. Free-access service page
 - Check single units status
 - Check communication with peripherals
 - Read firmware version
 - Take pictures of SYSTEM STATUS page, ALARMS page and HISTORY page and send them to TopSystem service office!

									($\overline{)}$
CAN NETWORK DIAGNOSTIC				CPU LOAD							
CAN ID	BOARD TYPE	BOARD STATUS		ACTUAL (%)		MAX (%)					
001	OM120/135/145 16+16	ONLINE		4	11		46				
002	OM120/135/145 16+16	ONLINE		CPU FIRMWARE V	ERSION					_ (
003	OM220 4AI TEMP/RES	ONLINE				1.01.16 ful	1				
004	OM220 4AI TEMP/RES	ONLINE		NOTE: version r	nust be minimu	n 10.37					
005	ELOBAU ANGLE SENS	ONLINE	- I I	CPU COMMUNICAT	TION STATUS				_		
006	ELOBAU ANGLE SENS	ONLINE			NMEA018	3	ONLINE		1)
007	NO BOARD	N/A		CPU ENGINE [OK				
008	NO BOARD	N/A		5	SLOPE SENSO	R 😶	NNECTE				
009	ELOBAU ANGLE SENS	ONLINE		CPU INITIALIZATIO	ON STATUS -						
010	NO BOARD	N/A) - INITIALIZA							
011	ELOBAU ANGLE SENS	ONLINE	I.								
012	ELOBAU ANGLE SENS	ONLINE		SYSTEM DYNAMIC			_		#2		
013	NO BOARD	N/A		OAD ACT %	0 80	0		0 80	PLATFORM OPEN CMD	ON/OFF	PLATFORM OPEN E/V CMD
	NO BOARD	N/A		PMACTUAL	0	0		0	PLATFORM CLOSE	ON/OFF	PLATFORM CLOSE E/V CMD
	NO BOARD	N/A	^	IOV.DUE TO	IDLE	IDLE		DLE	PLATFORM LOCK OPEN	ON/OFF	PLATFORM UNLOCK EV CMD
101	OM900B SLOPE S	ONLINE		MANOEUVR.	MODE: OFF	FLAP UP/L	O LIMITS: 🔟	00 -100	PLATFORM LOCK CLOSE	ON/OFF	PLATFORM LOCK EV CMD
			I	STEERING	MODE: OFF		CH/ROLL:		CENTER TRIM UP	ON/OFF	CENTER TRIM UP E/V CMD
						TARGE		.0	CENT. TRANSM. OIL LEVEL1		CENTER TRIM DN EV CMD
					_				PORT TRANSM. OIL LEVEL1	ON/OFF	
	STEM STATUS						ADVANC		PORT TRANSM. OIL LEVEL2	ON/OFF	
51:	SIEM STATUS					L.	SETU		PORT TRANSM. OIL LEVEL3	ON/OFF	
_									CENT. TRANSM. OIL LEVEL2	ON/OFF	
				. TEMPIGRAY ALM		T STEERING LIMIT			STBD TRANSM. OIL LEVEL1	ON/OFF	
				L LEVEL/BLACK WARN		D STEERING LIMIT (STBD TRANSM. OIL LEVEL2	ON/OFF	
				IL TEMP/BLACK ALM		STDBY PUMP ON CI	dN		STBD TRANSM. OIL LEVEL3		
				AULICS OIL LL	ON/OFF DIS				CENT. TRANSM. OIL LEVEL3 PANIC BUTTON	ON/OFF	
				Juorron	ON/OFF DIS				TANE BOTTOM		PLATFORM MOVING BUZZER
		<u>/</u>		3I ON/OFF	ON/OFF WH	ALARM BUZZER				ON/OFF	PLATFORM ALARM BUZZER
				MAY CAUSE O THE BOAT							
			I/O STAT	US							ADVANCED Setup

- 2. Password-protected service page
 - Check input signals status
 - Manual comands (be careful)
 - Calibrate the system after hardware replacement

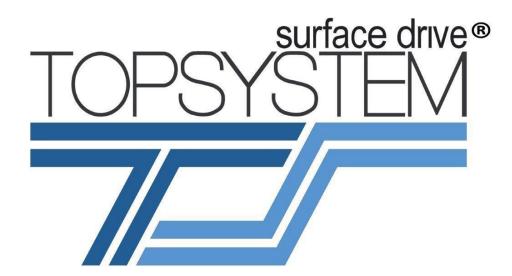


Service levels

- 3. Remote assistance
 - Advanced diagnostic
 - Firmware upgrade



Internet



www.topsystemdrive.com