

MAGELLAN

GPS CHART PLOTTER

FX324 MAP™

FX324 MAP™ Color



FX324 MAP Color

5-inch TFT 16-color display, viewable even in sunlight



FX324 MAP

5-inch FSTN grayscale display



Enjoy navigation... and peace of mind

- Easy-to-use and intuitive: simplify your boating life
- 12 parallel channel GPS receiver - fast signal acquisition
- 1 meter accuracy with WAAS/EGNOS
- Integrated antenna - external antenna optional
- Uses MapSend® BlueNav™ Charts, the latest generation of marine cartography
- 320 x 240-pixel high resolution screen, backlit alphanumeric keypad
- Direct Access keys for immediate access to all functions
- Complete software including tide function, 1000 waypoints, 30 routes of 50 waypoints, 6 tracks of 1000 points...

THE FX324 MAP AND FX324 MAP COLOR, YOUR BEST CREW MEMBERS AT SEA

TIDE	CURRENT	HDR
47°06.2433	1:31 14:08	
002°06.8285	.26% 27.65%	
Speed	Course	Aver Spd
13.0%	049°	7.2%
16 AUG 02	09:01:15	W

• POS

The POSITION screen displays all the important information you need regarding your position, your speed and your course over the ground.

Max Speed	Average Speed
Speed	Course
13.0%	049°
Odometer 1	Odometer 2
08.147%	06.005%
16 AUG 02	09:37:24

• NAV

The NAVIGATION screen displays your speed, your course over ground, (both in extra-large alphanumeric characters), two odometers and another piece of information of your choice.

RYDE	BOGNOR
Bearing	279°
Course	316°
XTE	0.19%
FASTNET	W

• GOTO

The GOTO screen helps you get to a predefined waypoint or to follow a route. It's your pilot, and you can select the way you want information to be displayed among the four display options available: Compass, 3D-Road, Radar or Data.

Speed
Speed
13.0%
16 AUG 02

• PLOT

Display the selected MapSend BlueNav chart you loaded, enabling you to follow your route and track your position on the screen. You can backtrack whenever you want.

One push and you get your position, one glance and you see where you are on the detailed chart displayed on the screen. The FX324 MAP Series assists you when you need it and gives you a greater peace of mind.

FX324 MAP is very complete (all navigation functions) and extremely easy to use so that you can have even more pleasure when navigating.

SIMPLE AND DIRECT

- 4 keys
- 4 main functions:
POSITION, NAVigation,
GOTO, PLOT

CONVENIENT AND A LARGE NUMBER OF CHOICES

for each function, choose between two screens of clear and precise information.

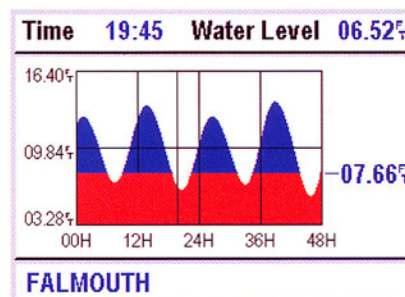
POS	NAV	WPT	RTE/TRK
1 Distance Unit	2 Elevation Unit	5 Alarms	6 Reference North
NM/KT	Feet		Magnetic
3 XTE Unit	4 Depth Unit	7 Speed Filter	
NM/KT	Feet	1 Second	

Menus/Screens

The on-screen menus are very easy to follow. Define how you interact with your GPS.

Tide functions

Get the tide timetables, height of water and tide coefficients applicable to the date of your choice and the port you want to reach. You can also graphically view these levels and set them to reflect your draft.



TIDE	CURRENT	HDR
Date	15 OCT 02	01:23 13:49
Port	FALMOUTH	12.41% 13.38%
Coefficients		07:33 20:37
		06.84% 06.20%
GRAPH		09:35:32 W

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Integrated GPS antenna

Direct Access keys take you directly to the navigation functions you want

Full, easy-to-use, backlit alphanumeric keypad

Built-in SD card reader, to transfer charts and data into your GPS in a snap

MENU key takes you right to all menus

MARK/MOB priority key gives you immediate access to the "Man Over Board" safety function

SAFETY FIRST!

If you are facing an emergency, don't lose any time: the MOB function (Man Over Board), with its red button, can be rapidly activated by any member of the crew, including children. The machine then instantly memorizes the position of the event and guides you directly to where you marked the spot. Using the same button, when you activate the MARK function, you can instantly memorize route waypoints or anchoring waypoints.

EASY-TO-USE AND VERY INTUITIVE

Concentrate on navigation, not on reading the user manual:

- Direct Access lets you quickly and easily get to the information you need.
- The FX324 MAP Series also features simple and self-explanatory icons: at sea "a picture is worth a thousand words" !

USER-FRIENDLY

Customize the FX324 MAP screens so they give you exactly the information you need.

From a list of 25 sets of navigation information, just select the one you want (speed, time of arrival, water height, voltmeter...).

MAPSEND BLUENAV CHARTS, THE NEW MAGELLAN® MARINE CARTOGRAPHY

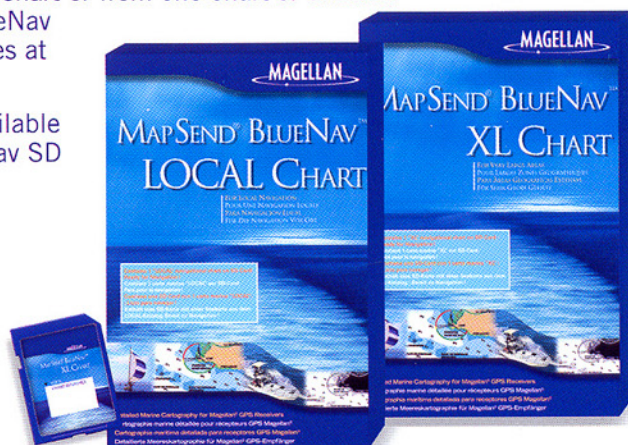
FX324 MAP and FX324 MAP Color both use MapSend BlueNav Charts, the latest generation of detailed marine cartography based on Navionics™ Gold. These intelligent vector charts come with numerous details and a huge amount of information, such as an extensive list of marinas, and scroll seamlessly within each chart or from one chart to another. With an outstanding precision whatever the zoom range, MapSend BlueNav Charts dynamically deliver highly valuable information to mariners: tides at local ports, currents, maps and available services at ports, navadays...

This worldwide cartography is provided on SD Cards: all charts are available right now from the local dealer authorized to program MapSend BlueNav SD Cards. It is ready to use! You can also use SD Cards to save your data (waypoints, routes, tracks...)

2 chart formats are available (optional):

- MapSend BlueNav Local Chart, for local navigation,
- MapSend BlueNav XL Chart, for very large areas.

Discover all our available chart references in our MapSend BlueNav Charts brochures.



FX324 MAP, FX324 MAP Color

TECHNICAL SPECIFICATIONS

Main functions

- Direct Access to functions by POS, NAV, GOTO, PLOT, MARK (Waypoint / Event), MOB (Man Over Board) and MENU keys
- Latitude, longitude with: definition of the 1/10000 of minute (18cm/7.08")
- 12 types of coordinates, UTM, Lambert, UK Grid, Irish Grid...plus the User Grid
- 76 map datums: Europe 50, WGS84, WGS72...plus the User Datum
- Speed and course over the ground - Maximum and average speed - Velocity to destination, drift speed
- Journey time and distance counter
- 1000 waypoints with name, comment and icon, date and time - 30 reversible routes of 50 waypoints with total length, details of route and waypoint advance - 6 tracks of 1000 points
- Near function for waypoints, ports and services - Home function - Track conversion into a route
- Range and bearing to the destination waypoint - Course correction - Range and bearing between 2 waypoints - Waypoint entry by range and bearing
- Distance to the end of route - Time to go to the destination waypoint and to the end of route - Estimated time of arrival to the destination waypoint and to the end of route - Cross track error
- Navigation information displayed in customizable multi-window mode, in extra large characters, or represented graphically
- Sound Alarm: arrival, anchor, cross track error, speed alarms and countdown
- Secure Digital (SD) Card: Upload/download capability for Waypoint/Route, tracks and unit set-up
- Tide function, water level for 896 embedded Worldwide ports + local ports from Chart - Sunrise and sunset, Moonrise and moonset
- Master/Slave function - Simulator mode
- User interface available in 11 languages (of which one is English)

Chart plotter functions

- Plotting scales: 1/64 to 4096 NM (Nautical Miles) with auto zoom
- SD Card with MapSend BlueNav Charts, based on Navionics™ Gold marine charts, with local tide, ports and service, currents
- Cursor function: enter waypoint and route, activate GoTo function, pop-up window on waypoint and navais

General characteristics

- Receiver L1 (1575.42 MHz) 12 parallel channels, WAAS, EGNOS, MSAS compatible
- Horizontal position and speed accuracy with WAAS/EGNOS: < 1 meter (3'2") 1RMS (2D); +/- 0.1 Knot
- Time to fix: Cold start: 2 minutes; Warm start: 45 seconds
- Dimensions of the receiver: 230 x 136.4 x 61 mm (9" x 5.4" x 2.4")
- Screen FX324 MAP: 4-levels greyscale backlit FSTN screen; size: 104 x 79.3 mm (4" x 3.1"); resolution: 320 x 240 pixels
- Screen FX324 MAP Color: Color TFT screen with backlight, 380 candella/m²; size: 108.9 x 79.4 mm (4.3" x 3.13"); resolution: 320 x 240 pixels
- Keypad: Complete, backlit keypad with 20 tactile keys and with 4 arrows key
- Operating temperature: -10° to +60°C (-50° to +140 °F)
- Memory: Flash ROM technology guaranteeing the safeguard of navigation information, such as waypoints, routes etc., backup lasts up to 100 years
- Interfaces: 1 RS422 output (NMEA); 1 RS232 output (NMEA); 1 RS232 input (NMEA, RTCM104)
- Connectors (compatible with FX family/MLR): TNC for external antenna, 7 pins circular for power/data
- Power supply: 10 to 36 volts DC - Consumption FX 324 MAP: 12Volts/300 mA max with backlight
FX324 MAP Color: 12Volts/700 mA max with backlight
- Waterproof: IP67 IEC-529

OPTIONS & ACCESSORIES

- Magellan MapSend BlueNav Charts are available in 2 formats: MapSend BlueNav Local Charts and MapSend BlueNav XL Charts. Both are fully compatible with the Magellan Meridian Marine, Gold, Platinum and Color handheld receivers.
- External GPS antenna (incl. 10-meter cable)
- External Power Data Cable with cigarette lighter adapter
- Face Plate Protection
- Flush Mounting kit
- Mounting Bracket



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