



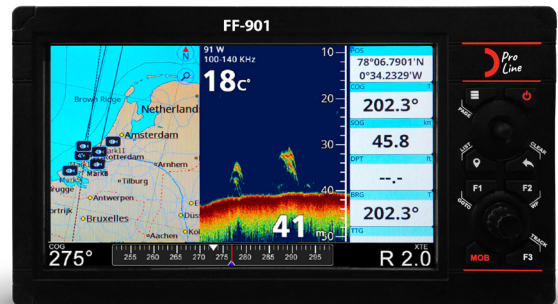
Chart Plotter/Fish Finder

FF-901

Multifunctional approach

Features

A multifunctional marine system designed to put every detail at your fingertips. Complete with 9-inch touch display the FF-901 offers an easy to operate, complete solution for navigating and fishfinding. The plotter integrates GPS data with digital charts stored on a micro SD card and can display additional information from AIS, Fish Finder, radar, engine and other sensors.



- Easy and ergonomic operation
- 9-inch fully customizable color touch display
- Compatible with a variety of Airmar and Radarsonic transducers
- Ultra bright display for contrast in all light conditions
- WiFi connectivity
- Access data everywhere via cloud service
- User customizable keys
- Waterproof IPX6 rating

Hybrid interface

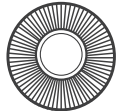
The system can be operated in multiple ways. The FF-901 maximizes the benefits of the touch screen with the reliability of an ergonomic keyboard. The rotary knob gives you a fast and precise control in every condition, while the touch screen allows the best experience in map exploration and route building.

The system offers user customizable keys. Programming F keys give you instant access to three of your favorite functions.

Keys



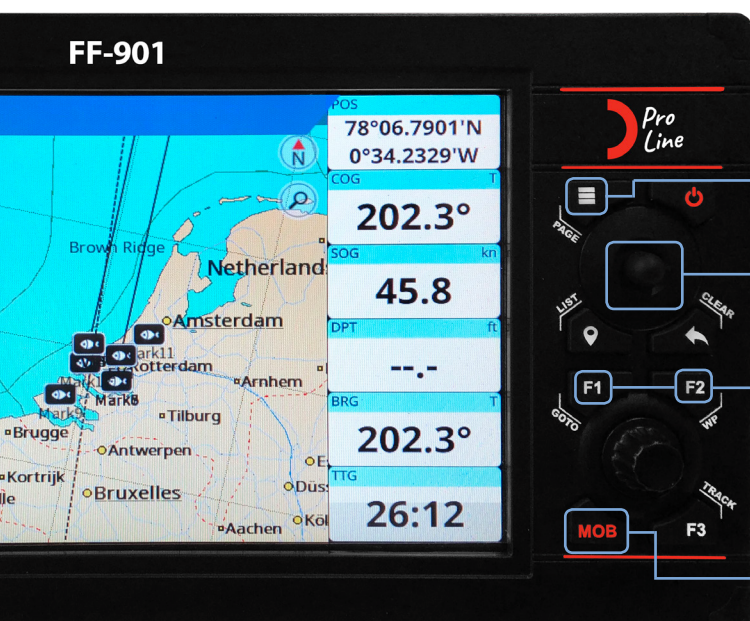
Rotor



Joystick



Touch



Menu

Joystick

Move the cursor around the map/menu

Customizable function keys

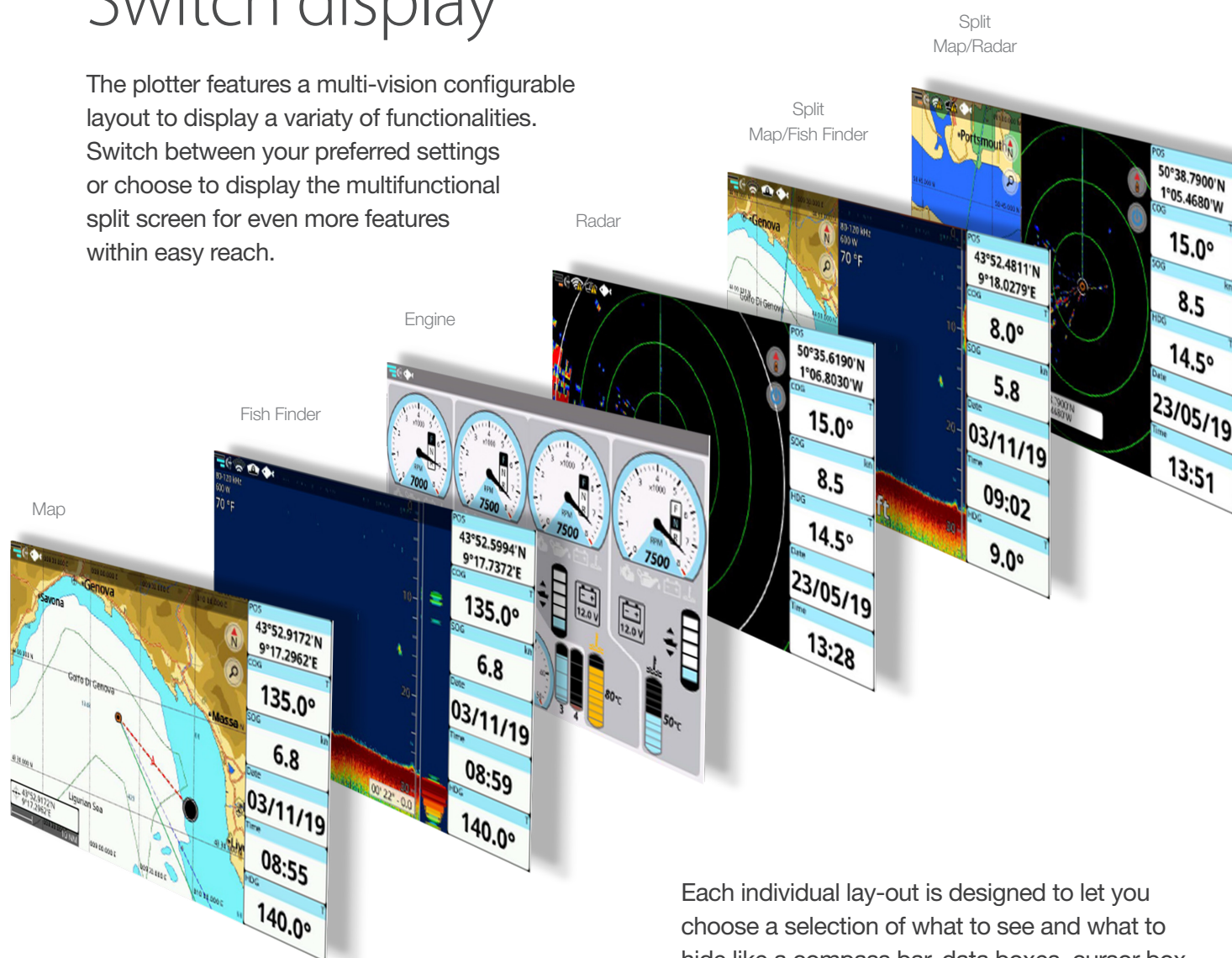
Instant access to favorite functions

MOB

Man-over-board places a mark on the current boat position and starts navigation to that place

Switch display

The plotter features a multi-vision configurable layout to display a variety of functionalities. Switch between your preferred settings or choose to display the multifunctional split screen for even more features within easy reach.



Each individual lay-out is designed to let you choose a selection of what to see and what to hide like a compass bar, data boxes, cursor box, switch icon and wheel mode switch icon.

Software features

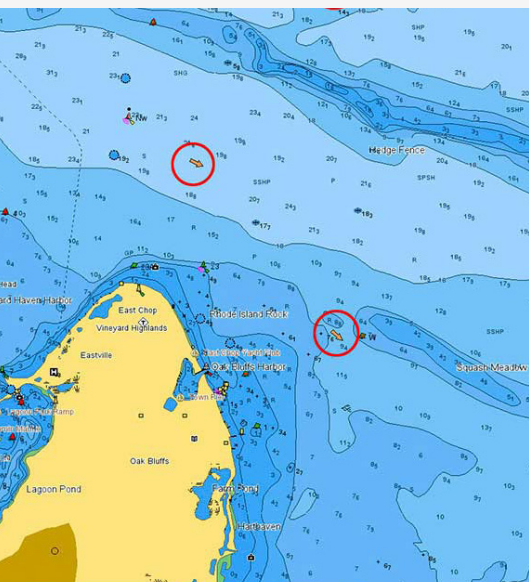
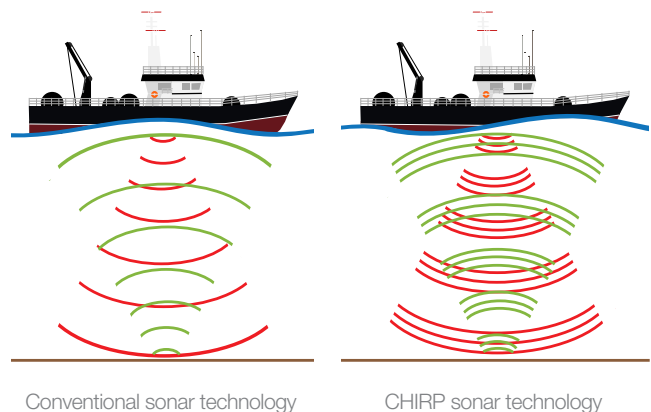
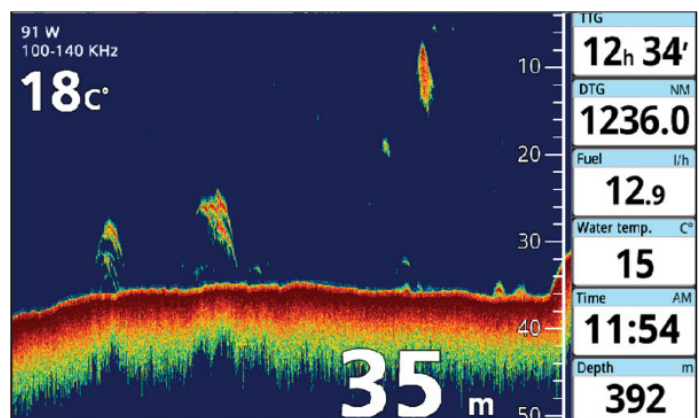
- Multi-vision configurable layout
- Full menu on Map
- Navigation functions: Go To, Add Waypoints, Marks, MOB, Easy routing
- Route management
- Tracks recording and management
- Customizable data boxes
- Cursor Box showing distance and bearing
- Customizable ship profile
- Simulation mode
- Grounding alarm
- AIS compatible
- Engine control page (when connected to an engine)

Fish Finder CHIRP technology

Unlike transitional 2D sonars that specialize in using a single frequency, the CHIRP sonar comes out smarter and better. This new technology eliminates surface clutter and water column noise, for Hi-Fi visibility.

- Greater clarity
- Incredible target separation
- Unmatched precision

It uses an extensive range or bursts of different frequencies to let the transducer vibrate at a low frequency, and later on, modulates in higher pulses that are ten times the duration of the pulse.



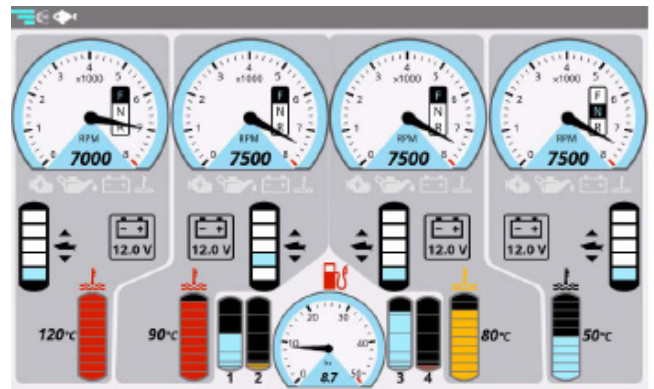
Charts

As the FF-901 is compatible to run both Navionics and C-Map 4D and Max charts, you will experience the latest evolution of electronic charting technology and the ability to view charts in 2D or amazing 3D presentation with high-resolution satellite imagery. Try the Easy Routing and the Route Check to improve your routes.



Engine

The plotter can be connected through CAN bus to compatible NMEA 2000 engine(s), to display engine state and performance. Depending on the number of engines, the 'Engine' page will look differently. For each engine detected, the page displays engine RPM gauge, engine temperature, fuel tanks, tilt/trim and alternator potential data.



WiFi

You can connect your chart plotter to any available WiFi hotspot. The internet connection grants access to special features, such as Cloud Connectivity, Mirror Control and Radar.

Software updates come easy, thanks to the WiFi connectivity.

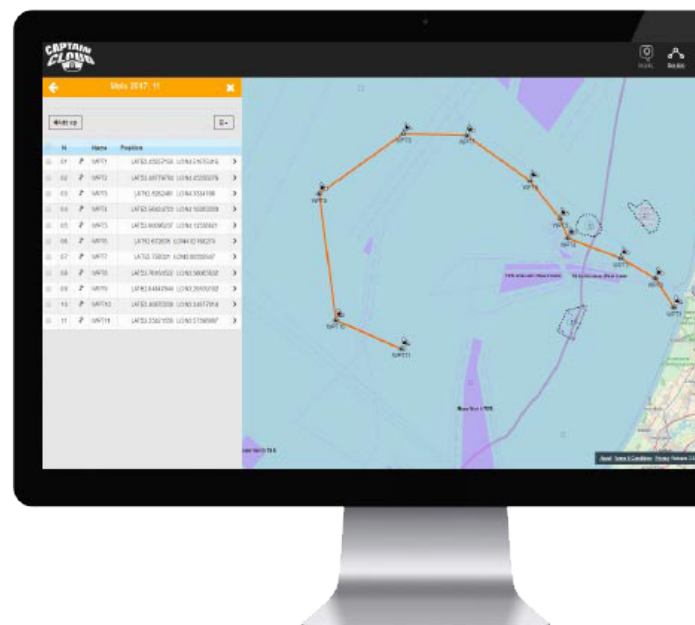
Take control

What about duplicating your plotter on your tablet or phone? It's easy with the Mirror Control application. Establish a WiFi connection, you can use your Apple or Android tablet as a touchscreen chart plotter.

Cloud connectivity

Synchronize your data with cloud connectivity and manage and save routes, tracks and marks from any connected device and store them safely in the cloud.

Build your favorite routes easily at home on your PC, tablet or smartphone, and find them ready on your chartplotter.





NMEA

NMEA interface can transform your chart plotter in a multifunctional display to control your ais, autopilot, engine etc.

NMEA2000 PGN list input

59392	127250	128275	12488
59904	127251	129025	12489
60928	127257	129026	12497
126208	127258	129029	12498
126992	127505	60160	12508
126996	128259	60416	12038
127245	128267	60240	12039

NMEA2000 PGN list output

59392	126996	127505	129033	130316
59904	126998	128259	129283	
60928	127245	128267	129284	
126208	127250	128275	129285	
126464	127251	129025	130306	
126992	127257	129026	130310	
126993	127258	129029	130312	

NMEA0183 sentence list input

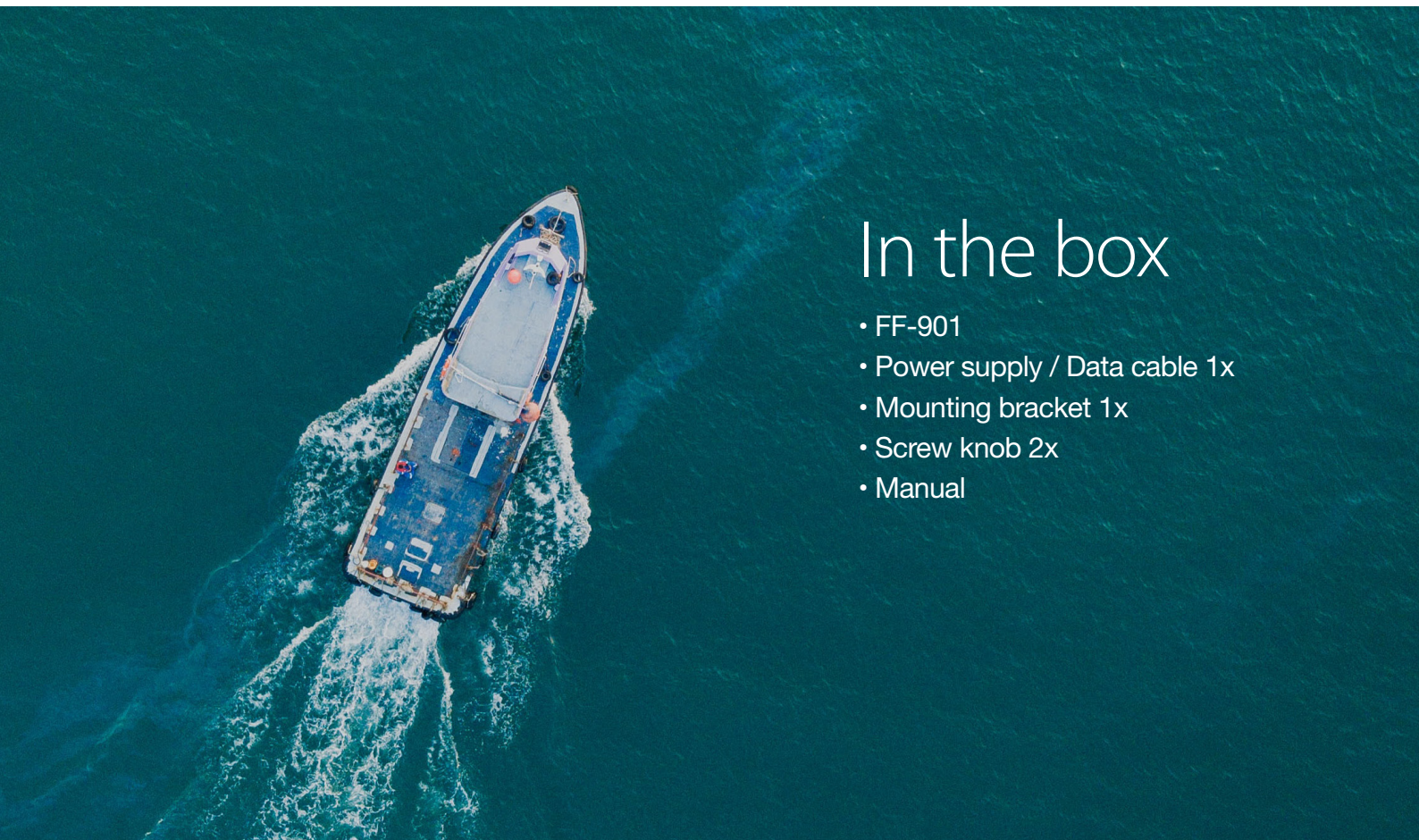
DBT	GSV	RMC	VDM
DPT	HDG	THS	DSC
GGA	HDT	TLL	DSE
GLL	MTW	VDR	ROT
GNS	MWV	VHW	RSA
GSA	RMA	ZDA	

NMEA0183 sentence list output

AAM	GGA	HDT	RTE	WPL
APB	GLL	MTW	THS	XTE
BOD	GNS	MWV	TLL	ZDA
BWR	GSA	RMA	VDR	
DBT	GSV	RMB	VHW	
DPT	HDG	RMC	VTG	

In the box

- FF-901
- Power supply / Data cable 1x
- Mounting bracket 1x
- Screw knob 2x
- Manual



Specifications

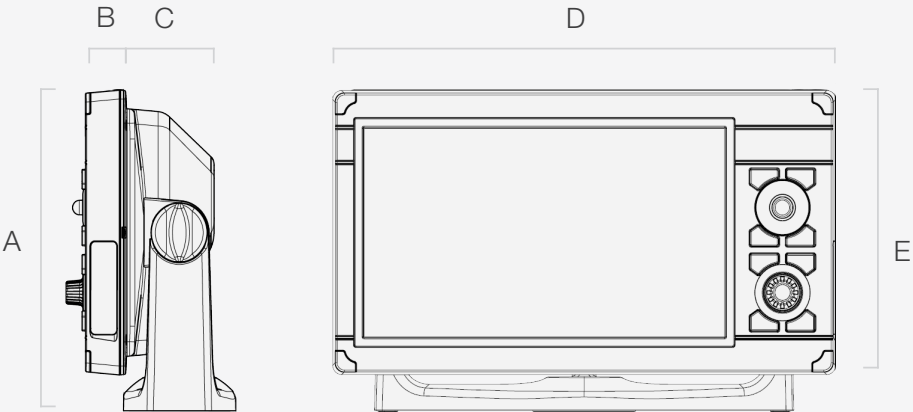
Display size	9"
Display resolution	800 x 480 px
Display brightness	1100 nits (dimmbale)
Touch-screen	Yes, capacitive multitouch
Backlit keyboard	Yes
Built-in GPS sensor	10 Hz GPS/GLONASS
Receiving type	GPS 72 channels
Accuracy	2.5 m. CEP
External GPS connector	Yes
NMEA 2000	Yes
NMEA 0183	2x Rx/Tx on power cable
Memory slot	Micro SD
WiFi connectivity	Yes
Built-in Fish Finder CHIRP	Yes
Mounting options	Bracket, surface and flush mount
Waterproof	IPX6
Supply voltage	10-35 Vdc
Operating temperature	-10°C +60°C
Storage temperature	-20°C +80°C

Transmitting frequency range	2400 - 2483 Mhz
Maximum transmitting power	100 mW
Maximum power consumption	25W
Transducer connector	Yes
Transducer	300 W or 600 W or 1kW (Transducer dependent)
Frequency	CHIRP: 40 to 250 kHz
	CW: 50/200 kHz
Marks	3000
Routes	1000, each having 50 waypoints at most
Trackpoints	30.000
Boundaries	1000, each having 50 vertices at most
Language	English (US & UK), Italian, Finnish, French, Spanish, Greek, Croatian, Turkish, Japanese, Chinese (Traditional & Simplified), Portuguese, Norwegian, Russian, Indonesian, German, Icelandic, Swedish.

Tech Specs

9-inch display RoHS

FF-901 Weight 1.5 (3.31 lbs)



A	174 mm	6.8 in
B	32.6 mm	1.2 in
C	64 mm	2.5 in
D	278 mm	10.9 in
E	154 mm	6.06 in



alphatronmarine.com

Centers of Excellence
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