



MODEL

KCOMBO-7



7-inch GPS Chart Plotter with built-in Fish Finder



K-CHART Free detailed sea map



Support C-Map MAX



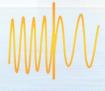
Compatible with Navionics+



Built-in Fish Finder



DUAL DISPLAYSplit Ratio is adjustable



MULTIPLE DISPLAY (FREQUENCY)



Multiple Display Modes



Auto Range & Gain



Time Variable Gain



SD Card System Update



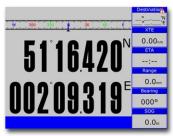
Display AIS Info



> DIFFERENT DISPLAY MODES



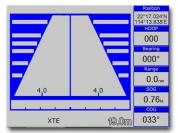
Plotter



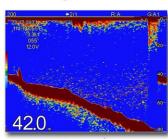
Navigation Data



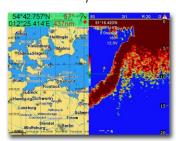
Compass



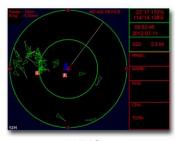
Highway



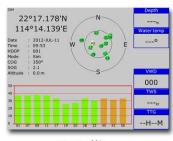
Sounder



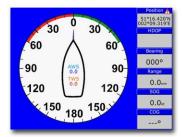
Plotter + Sounder



AIS



Satellite



Wind

GPS CHART PLOTTER

Compatible with the following mapping systems:

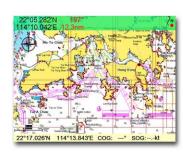


K-Chart Mapping System

ONWA Chart Plotters are compatible with K-Chart Mapping and displays worldwide Electronic Charts that users can use for FREE.



C-Map Max
ONWA Chart Plotters are also
compatible with C-Map Max
showing Nautical Charts



Navionics+

ONWA Chart Plotters when used with Navionics+ charts shows Nautical Charts and Sonar Charts. Advance options also include: Highlight Shallow Area, Adjust Contour Density and Shallow Fishing Range

Optional Accessory



Standard

GPS Patch Antenna
with 4m cable (SMA connector)
Ingress Protection IP66

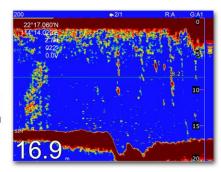


KA-07 External GPS Antenna with 10m cable (Specify when ordering)

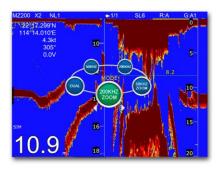
BUILT-IN HD FISH FINDER TECHNOLOGY

*Transducer required

- Applies the most advanced Digital Fish Finder Technology
- Dual Fregeuncy: 50 and 200kHz (alternately transmitted)
- · Automatic Range and Gain adjustment depending on usage (Cruising or Fishing)
 - > Excellent Sea-bed Discrimination and easily identify fishes and school of fish > Exact depth to where the school of fish is shown for ease of fishing

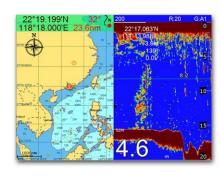


> DISPLAY MODES



DISPLAY MODES

> Selection of Display Modes depending on your need 50 KHz, 200KHz, Dual, 50KHz/Zoom and 200KHz/Zoom

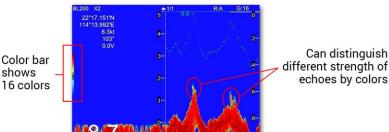


Split Screen with GPS Chart Plotter

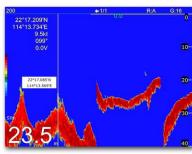
- > Split Ratio can be adjusted as to which side is bigger for ease of usage
- > Beneficial for users to mark new fishing grounds

FEATURES

16 Colors according to intensity



Saves the position of a History Echo in Waypoint Memory



FISH, BOTTOM, AND TEMPERATURE ALARMS

*Temperature sensor required for Temperature Alarm

Alarms when fish is seen at set range Fish Alarm: Bottom Alarm: Alarms when the set bottom range is reached

Bronze Transducer Thru-hull Transducer



Temperature Alarm:

Plastic Transducer Thru-hull Transducer 600W



reaches set temperature range

Used to warn the user when temperature

KTS-10K TM Transom Mount Temperature Probe



KTS-10K TH Thru-Hull Temperature Probe

ACCESSORIES (not included in

the standard set)

OPTIONAL



KTD-520 TM Transom Mount Transducer 600W

600W

PLOTTER CHARACTERISTICS

Routes

Alarms

Drawing

Tides

12000 user waypoints with name, symbol Waypoints/icons 3 system waypoints: MOB, Start, Cursor

10 proximity waypoints

30 routes waypoint up to 170 points each, plus MOB

and Track Navigation or GOTO Track modes

8,000 points automatic track log;; Tracks

10 saved tracks (up to 8000 track points each) lets you retrace your path in both directions XTE, Anchor drag, arrival, speed, voltage, proximity waypoint, Timer and AIS (CPA and TCPA) alarm

1000 Drawing Marks; 2000 Drawing Lines

(40 points each); 1000 Drawing Place Name;

8 Colors for Drawing

Palette Normal

Daylight exposed to sunlight Night in dark environment NOAA paperchart colors Built-in Worldwide Tide data

Lat/Lon Position format

Basemap Worldwide

External Map Compatible with K-Chart 2.0, K-Chart 3.0, C-Map Max

and Navionics+

User data storage Internal backup of user settings or external SD-card

Plot Interval 5secs to 60 mins or 0.01 to 10nm

Plotting scales 0.001 to 700nm

Perspective View On/off (Available for C-Map only) Celestial Sunrise/Sunset Moonrise/Moonset

NMEA SENTENCE SUPPORTED

INPUT: (Auto scan Baudrate)

GGA, GLL, GSA, GSV, RMC, HDG, HDM, HDT VTG, ZDA, MTW, VWR, VWT, MWD, VPW, VHW

TLL, TTM, VDO, VDM, GNS, MTA

RMA, DBT, DPT, MWV, BWC, XTE, ZDL, WPL, AAM,

APB, BOD, RMB, DSC, MDA, RPM, XDR

OUTPUT:

Baudrate: Selectable 4800, 9600, 19200, 38400

GGA, GLL, RMC, GSA, GSV, AAM, APA APB, BOD, BWC, BWR, DBT, DPT, HDT MTW, RMB, TLL, VTG, WPL, XTE, ZDA ZTG, ZDL, MWD, VPW, VWR, VWT Outputs for autopilot:

APA, APB, BOD, XTE

AIS INTERFACE

AIS Data: RS232 output VDO, VDM, GGA, GSA, GSV and VTG AIS Input Baudrate:

38,400 from GPS Input Port

POWER SUPPLY

10.5 to 30VDC, current drain 1.5A at 12V

PHYSICAL

155mm(H) X 243mm(W) X 84.6mm(D) Size Weight

0.6kg

Display 7-inch Color TFT dayview LCD, 800x600 pixels Waterproofing Display unit: IP66

Antenna unit: IP66

Display unit: -15°C to +55°C Temperature range

Antenna unit: -25°C to +70°C

OPTIONAL ACCESSORIES

GPS antenna KA-07

Transom Mount or Thru-Hull Transducer KC-2W (N2K to NMEA0183 Bidirectional converter)



KA-07 GPS Antenna



KTD-520 Transom Mount



KW-360 Ultrasonic Weather Station/Anemometer



NMM40-50/200 Thru-Hull Mount Transducer (Bronze)



KA-GC9A 9-Axis Electronic Compass with built-in High Accuracy GPS Module

GPS RECEIVER CHARACTERISTICS

Receiver 50 parallel channel GNSS receiver continuously

tracks and uses up to 50 satellites to compute

and update your position Cold start: 29 seconds

Update rate 1 second or 0.1 second selectable Accuracy Position: 3 meters(95%) without S/A Velocity: 0.1 meter/sec without S/A

SBAS Supported Supported OZSS

Satellite System Choice of 4 GNSS: GPS, Beidou, GLONASS, Galileo

Hot start: 1 second

Altitude: 18,000 m Dynamics Velocity: 515 m/s Datum WGS 84 & User defined GPS Patch Antenna Antenna

GPS INTERFACE

Acquisition time

GPS Data GPS Input Baudrate

RS232 input/output, NMEA 0183 V3.01 and V4.11 Auto Scan (4800, 9600, 19200 and 38400) **GPS Output Baudrate** Selectable among 4800, 9600, 19200 and 38400

ECHO SOUNDER

Echo Color 16 colors (including background color)

Basic Range

*The basic ranges can be changed on the system menu

Range Shift Zoom Range

Bottom Lock Expansion Range

Auto Mode Display Mode

Zoom Display

Display Advance Speed

TX Frequency

Pulse-Length/TX Rate

according to echo intensity. The background color is selectable from blue, light blue, white and black. Meters 5/10/20/40/80/150/200/300/600/1000 Feet 15/30/60/120/200/400/600/1000/2000/3000 Fathoms 3/5/10/20/40/80/100/150/300/600 Up to 1000 meters (3000 feet, 600 fathoms) Times 2, 3, 4 and 6 ranges

5/10 meters, 10/20 feet, 2/5 fathoms Automatic adjustment of range and gain High Frequency (200K), Low Frequency (50K), Dual (200K and 50K 1/2 display on each), Zoom (200K and 50K zoom) and A-scope Display Marker Zoom, Bottom Zoom and Bottom-lock

Expansion Lines/TX: Freeze, 1/8, 1/4, 1/2, 1/1, 2/1, 4/1, 6/1,

8/1 and 10/1

50 and 200kHz (alternately transmitted)

Power Output 600W

Display End Depth (m) 5 10 20 40 80 150 200 300 600 1000 Pulse Length 200K (µs) 1020 1020 1020 1020 120 220 320 520 920 1020 Pulse Length 50K (µs) 170 270 370 570 970 1070 1070 1070 1070 1070 TX Rate (pulse/min) 2000 1333 706 353 171 98 75 53 38 27 TX period (millisecond) 30 45 85 170 350 610 800 | 1120 | 1580 | 2200

Interference Rejecter

Alarm

Rejects unwanted signals by comparing last and present echoes in strength

Fish and Bottom alarms,

Temperature alarm (sensor required)

EQUIPMENT LIST

Display unit Quick manual **Mounting Bracket**

GPS Patch Antenna with 4m cable (SMA connector)

Standard Accessories Pack

KW-360 Ultrasonic Weather Station KA-GC9A (Heading Sensor)

Transom Mount or Thru-Hull Temperature Probe



NBM40-50/200 Thru-Hull Mount Transducer (Plastic)



KTS-10K_TM Transom Mount Temperature Probe



N2K (NMEA2000) and NMEA0183 **Bidirectional Converter**



KTS-10K_TH Thru-Hull Temperature Probe

