

# Color Plotter

## JLZ-1000

JRC



※LCD monitor option

### Rapid chart rendering and display capabilities for the latest NAVIONICS®+ charts

- Split-screen functionality lets you view multiple kinds of information simultaneously
- Update support maintains use of the latest charts\*
- TT (ARPA) and AIS operation-assistive display capabilities installed
- New control additions for simple easy to use
- The user's ship's tracks and marks can be imported from other JRC devices

\*At customer discretion

JRC

Japan Radio Co., Ltd.

# Rapid chart rendering and display capabilities for the latest NAVIONICS®+ charts



※LCD monitor option

**Support for latest NAVIONICS®+ charts comes installed standard**

The newest NAVIONICS®+ allow for incredibly detailed display of sea areas. The JLZ-1000 color plotter also has a high-speed display for stress-free navigation and chart updates to let you operate using the latest data.



『Jakarta port』



『Singapore port』



『Bangkok port』

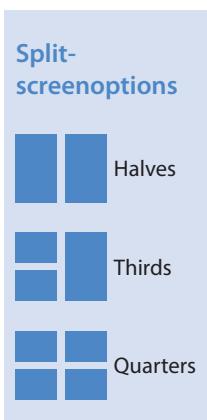
**Split-screen functionality to view various information simultaneously**



『Half-screen display』



『Quarter-screen display』



Display up to four kinds of various information including charts, highways, analog meters\*<sup>1</sup>, and monitoring displays\*<sup>2</sup> in split-screen simultaneously.

\* 1 : Connect the NMEA2000 unit to display engine and fuel information.

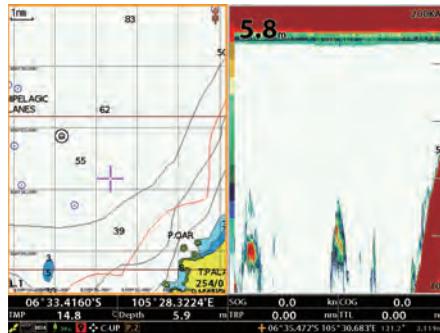
\* 2 : By connecting an external camera, a monitoring video feed can be displayed.

# Full suite of features

## Operation-assistive display features



The radar's TT functionality displays the trails of other ships.



Displays the sounding function on connecting the transducer.

| DTIM    | SOOR | WGT | NMSI      | NAME             | CPh(m)  | TCP        |
|---------|------|-----|-----------|------------------|---------|------------|
| 2813.46 | 0.0  | 12  | 411061698 | JELLSOMARU       | 1104.42 | 0.262m20x1 |
| 2813.13 | 0.0  | 12  | 431602326 | SUNNY HEART      | 1104.42 | 0.262m20x7 |
| 2813.13 | 5.0  | 12  | 431602326 | KABERASAMAE      | 1149.52 | 0.262m20x6 |
| 2813.13 | 5.0  | 12  | 441108208 | STAR IRINIX      | 1149.52 | 0.262m20x5 |
| 2813.13 | 4.1  | 12  | 441108208 | STAR IRINIX      | 1149.52 | 0.262m20x4 |
| 2823.26 | 14.4 | 12  | 321748008 | DRAGON           | 1331.65 | 0.262m20x3 |
| 2823.26 | 0.0  | 12  | 321748008 | DRAGON           | 1331.65 | 0.262m20x2 |
| 2823.09 | 0.0  | 12  | 354070088 | CHINOSTAR SHIP   | 1334.43 | 0.262m20x3 |
| 2823.16 | 15.2 | 13  | 357469008 | SOUTHERN DRAGON  | 1310.65 | 0.262m20x9 |
| 2823.53 | 13.4 | 13  | 357473008 | SUNRISE WIS      | 1136.42 | 0.262m20x8 |
| 2824.71 | 9.7  | 12  | 431270008 | SEHAMARU NO.2    | 1367.81 | 0.262m40x5 |
| 2824.71 | 9.7  | 12  | 431270008 | SEHAMARU NO.2    | 1367.81 | 0.262m40x4 |
| 2812.14 | 20.4 | 12  | 311103008 | PROWL KEY        | 1448.88 | 0.262m20x4 |
| 2812.08 | 18.0 | 12  | 447105508 | SEAM COMMUNIC    | 1557.12 | 0.262m1m4  |
| 2823.67 | 19.8 | 12  | 437501774 | ORA              | 1355.67 | 0.262m20x5 |
| 2823.81 | 19.3 | 12  | 354926008 | COCO SAKURA      | 1449.63 | 0.262m20x6 |
| 2823.81 | 11.6 | 12  | 431401887 | CHIBUREN AMARI   | 1511.43 | 0.262m20x5 |
| 2824.99 | 19.5 | 12  | 354410008 | PROMINENT ACE    | 1487.87 | 0.262m20x4 |
| 2824.99 | 12.7 | 12  | 431401008 | CHIBUREN AMARI   | 1511.43 | 0.262m20x4 |
| 2821.11 | 11.6 | 12  | 343210008 | TANIGAWA         | 1447.10 | 0.262m20x4 |
| 2803.27 | 9.8  | 12  | 371726100 | KOSHO ISCHIE     | 1558.48 | 0.262m3m4  |
| 2829.11 | 16.1 | 12  | 382789008 | SUNRISE SODRAN 2 | 1348.49 | 0.262m20x2 |
| 2819.48 | 12.9 | 12  | 354449008 | SOUTHERN ODYSSEY | 1108.50 | 0.262m20x2 |

**《AIS display》**

Connect an AIS receiver to display AIS information.

## New key layout for comfortable navigation

The JLZ-1000 allows you to carry out all operation simply by using the keyboard even in turbulent waters.

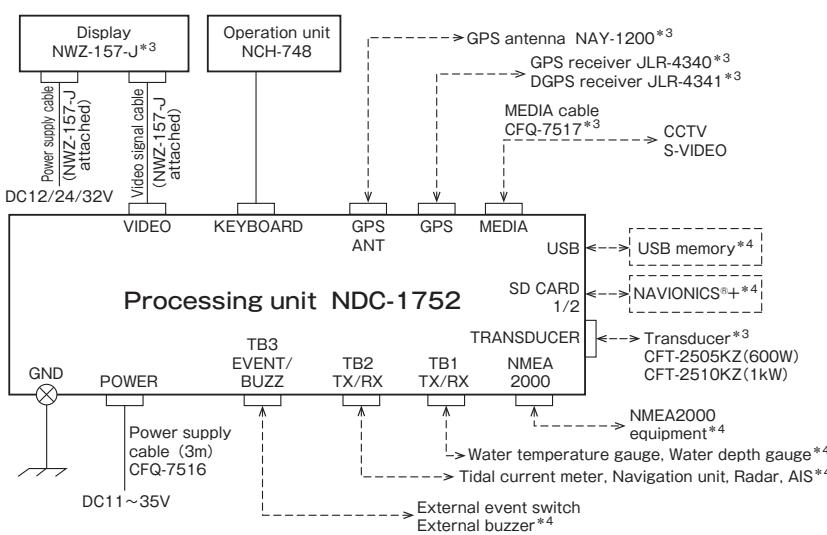
### 《Preset keys》

Assign different functions to each button.  
Up to ten presets can be set in total.

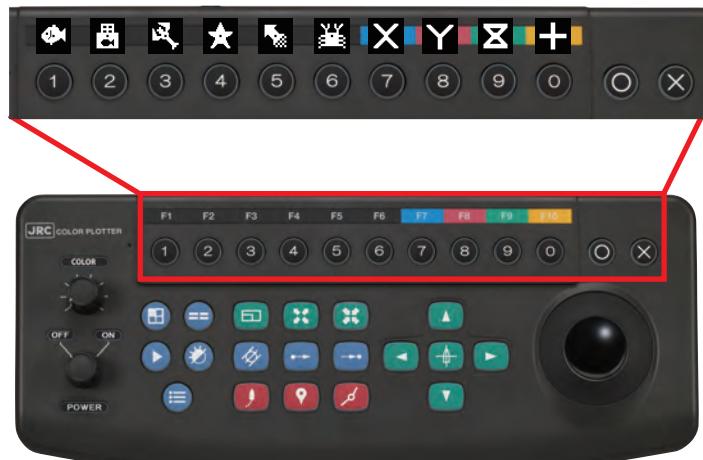
### Pre-sets

- Set event mark
- Set cursor mark
- TT track display
- Screen display (charts, depth information, data readouts, highways, destinations, routes, GPS, AIS DSB, and NAVTEX information)
- Chart display settings
- Information readouts (TT, GPS buoys, AIS,DSB)
- Tracking information (water depth, temperature, currents, date, and time)

### Diagram



### Preset key example



\*3: The following equipment is optional.

|               |                       |
|---------------|-----------------------|
| Display       | NWZ-157-J             |
| GPS antenna   | NAY-1200              |
| GPS receiver  | JLR-4340              |
| DGPS receiver | JLR-4341              |
| MEDIA cable   | CFQ-7517              |
| Transducer    | CFT-2505KZ/CFT-2510KZ |

\*4: The following equipment is customer discretion.

|                         |
|-------------------------|
| NAVIONICS®+             |
| NMEA2000 equipment      |
| USB memory              |
| Water temperature gauge |
| Water depth gauge       |
| Tidal current meter     |
| Navigation unit         |
| Radar                   |
| AIS                     |
| External event switch   |
| External buzzer         |
| External camera         |

Data conversion software is available. It helps you transfer your important content stored in a JRC's previous model to JLZ-1000. For more information, please contact us.

## Specifications

| Name                                       |                          | Color plotter  |
|--|--------------------------|--|
| Model                                      |                          | JLZ-1000   |
| <b>Functional performance</b>              |                          |  |
| Display                                    |                          | Resolution:XGA or SVGA/Instration:side   |
| Valid display range                        |                          | Latitude 85 degrees or less  |
| Chart data                                 |                          | Overseas:NAVIONICS®+/Japan:new pec   |
| Display scale                              |                          | 0.1~5000nm (Screen width)  |
| Display operation mode                     |                          | North Up, East Up, West Up, South Up, Course Up, Head Up and Destination Up  |
| Position data display                      |                          | Latitude / longitude, LORAN C, LORAN A and Decca   |
| Main screen display                        | Split<br>(1/2/3/4 split) | Map screen (new pec: 2-screen display possible / NAVIONICS®+:1 screen only), highway, various types of data, sounding and video        |
|  | Non-split                | GPS reception, AIS information, DSB information, NAVTEX information  |
| Track                                      | Saved information        | Color, L/L, Water temperature, depth, current 5 levels (current/drift/current set)   |
|  | Save interval            | 1, 2, 5, 10, 20, 30, 60, 120, 300, 600, 1200, 1800, 3600 seconds   |
|  | Time                     | Distance   |
|  | No. of points saved      | 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10nm   |
|  | Display color            | 500,000 points (Display:50,000 points)   |
|  | Other ship's track       | 7 colors (normal, depth, and temperature: switchable)  |
|  | TT                       | 100 targets (with saving main unit)  |
| Mark (Destination)                         | AIS                      | 300 targets (without saving main unit)   |
|  | Type                     | 36 types   |
|  | No. of points saved      | 50,000 points  |
|  | Display color            | 7 colors   |
| Route                                      | Comment input            | 14 characters  |
|  | No. of points saved      | 100 routes (1 route 100 waypoints)   |
| Line                                       | Comment input            | 14 characters  |
|  | No. of points saved      | Solid line 50,000 points, Fill 50,000 points   |
| Others                                     | Display color            | 7 colors   |
|  |                          | External event input, external buzzer output (log pulse), GPS buoy data input and DGPS224/GPS124 receiver direct connection            |
| Input power supply voltage                 |                          | DC11~35V   |
| Power consumption                          |                          | Less than 25W  |
| <b>Serial communication (input output)</b> |                          |  |
| No. of input/output systems                |                          | NMEA0183, JRC: 2 output systems, 2 input systems<br>NMEA2000:1 system  |
| Format                                     |                          | NMEA0183, JRC/NMEA2000   |
| NMEA0183 version                           |                          | Ver1.5/2.1/2.3/4.0   |
| NMEA0183 output sentence                   |                          | APA, APB, BWR, DBT, DPT, GGA, GLL, GSA, GSV, HDT, MTW, RMB, RMC, VHW, VTG, XTE, ZDA  |
| NMEA0183 input sentence                    |                          | CUR, DBK, DBS, DBT, DPT, GGA, GLL, GNS, GSV, HDG, HDT, MDA, MTA, MTW, MWD, MWV, RMC, RPM, TLL, TTM, VHW, VTG, VWT, ZDA                 |
| NMEA2000 output sentence                   |                          | 128259, 128267, 129026, 129029, 129283, 129284, 129285, 130310   |
| NMEA2000 input sentence                    |                          | 126992, 127250, 127488, 127489, 127497, 127498, 127505, 128259, 128267, 129025, 129026, 129029, 129539, 129540, 130306, 130310, 130311 |
| <b>Environment conditions</b>              |                          |  |
| Operating temperature range                |                          | Processing unit: -10°C to +50°C,<br>Operation unit: -15°C to +55°C   |
| Storage temperature range                  |                          | -25°C to +70°C   |
| Waterproof                                 |                          | Processing unit:IP22 (floor-mount) /<br>IP20 (wall-mount), Operation unit:IP22   |

• new pec is the name of the new personal electronic chart that is made available the Japan Hydrographic Association.

• NAVIONICS®+ is a registered trademark of Navionics.

• NAVIONICS®+ is the electronic chart data that is made available by Navionics.

For the information regarding the NAVIONICS®+ electronic chart, please contact JRC.

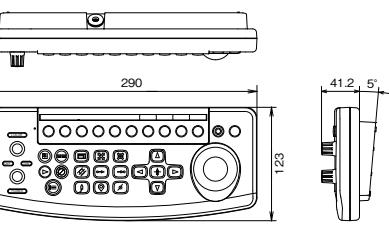
• Specifications may be subject to change without notice.

## Configurations

| Item name                                 | Mode       | Q'ty |
|---|------------|------|
| <b>Standard configuration</b>             |            |      |
| Processing unit                           | NDC-1752   | 1    |
| Power supply cable                        | CFQ-7516   | 1    |
| Spare fuse                                | 51NR205000 | 1    |
|   | 51NR207000 | 1    |
| Operation unit                            | NCH-748    | 1    |
| Velcro tape                               | MTZ302573  | 2    |
| Flush-mount kit                           | MPTG31340  | 1    |
| Instruction manual                        | 7ZPNA4661  | 1    |
| Simple operation guide                    | 7ZPNA4663  | 1    |
| <b>Options</b>                            |            |      |
| GPS receiver                              | JLR-4340   |      |
| DGPS receiver                             | JLR-4341   |      |
| GPS connection cable                      | CFQ-9000   |      |
| Map card                                  | CDD-812    |      |
| Operation unit mounting metal fitting kit | MPXP32938  |      |
| MEDIA cable                               | CFQ-7517   |      |
| GPS antenna                               | NAY-1200   |      |
| LCD monitor (15 inch)                     | NWZ-157-J  |      |
| LCD monitor (10 inch)                     | NWZ-211    |      |
| Transducer (600W)                         | CFT-2505KZ |      |
| Transducer (1kW)                          | CFT-2510KZ |      |

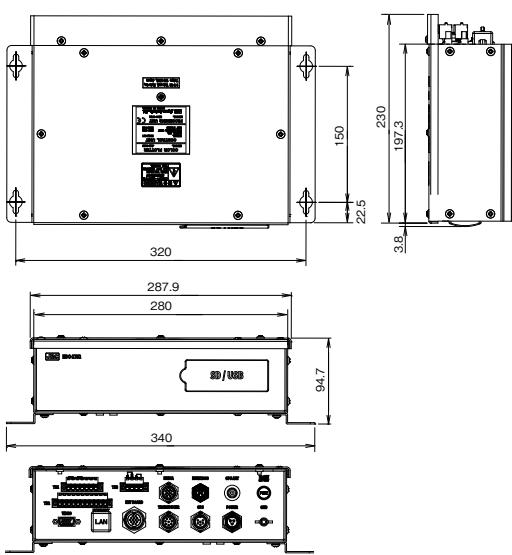
## Dimensions

**Operation unit NCH-748** Weight : About :1.1kg



unit : mm

**Processing unit NDC-1752** Weight : About :2.2kg



**For further information, contact:**



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