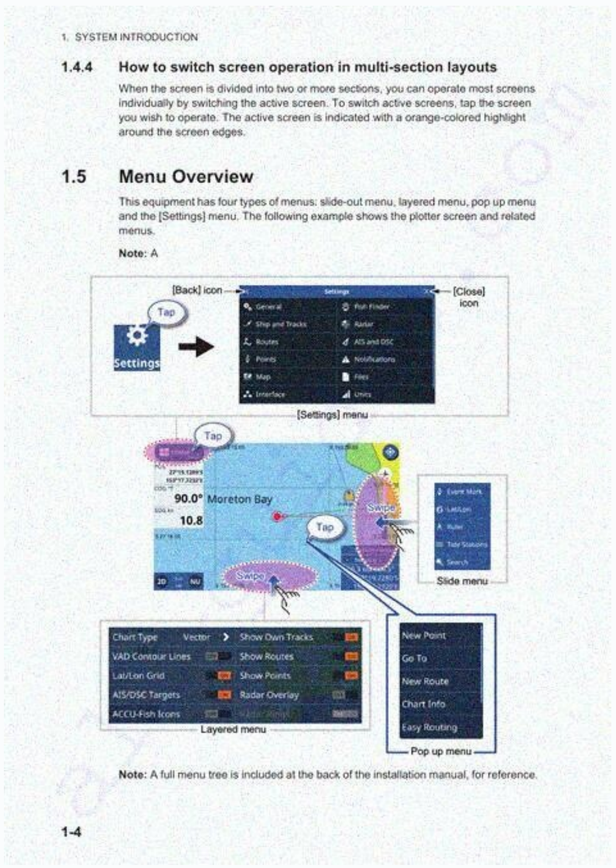


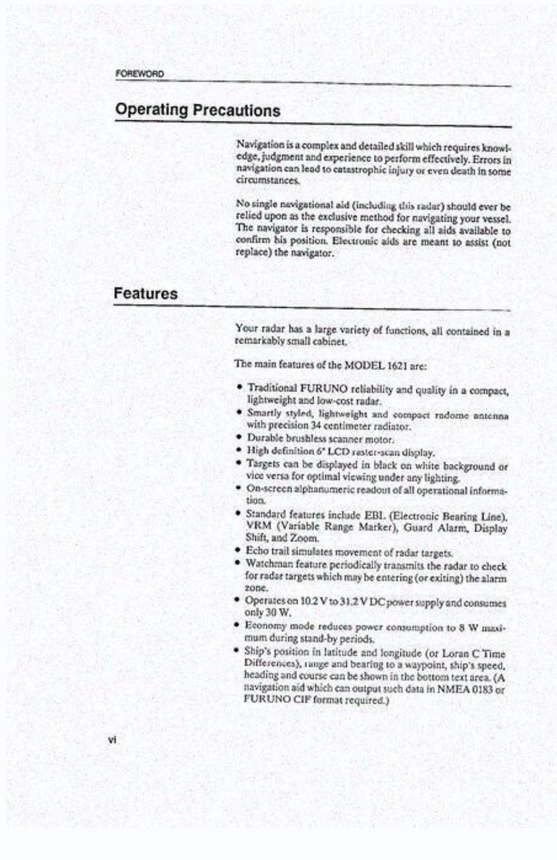
I am not robot!

Furuno 1871f installation manual

Installation Manual GPS/WAAS COLOR CHART PLOTTER with FISH FINDER GP-1871F/GP-1971F Model 4. INPUT/OUTPUT DATA.....27 IMPORTANT NOTICES AND SAFETY INSTRUCTIONS ..i 4.1 How to access the [Interface] menu.....27 SYSTEM CONFIGURATION .....iii 4.2 How to set up for NMEA0183 configurations .....27 EQUIPMENT LIST .....iv 4.3 How to select a data source.....27... How to discard a used battery transducer mounting location. The transducer can be damaged. Some FURUNO products have a battery(ies). mukomofe To see if your product has a battery, see the chapter Water leakage can sink the vessel. The transducer cable must handled on Maintenance. SYSTEM CONFIGURATION EQUIPMENT LIST Standard supply DRS4W Name Type Code No. Qty. Remarks Wireless Access Point Display Unit GP-1871F Select GP-1971F Installation NMEA2000 Network Devices Wireless connection (FI-70/NAVpilot-300/etc.) Materials Accessories Spare Parts GP-1871F NMEA2000 Converter Optional supply IF-NMEA-2K2... 000-035-503 Display Unit Installation B-175H 000-035-504 Termination Resistor FRU-MF000000001 001-507-060 The Display Unit (GP-1871F or GP-1971F) can be mounted in one of two ways: desk- (Micro) FRU-MM100000001 001-507-070 top (bracket) or flush mount (in the console, etc.). Micro T-Connector FRU-MM1MF1MF1001... Page 5 1. INSTALLATION 1. INSTALLATION • Select a location where the cables have sufficient slack to allow for maintenance 1.1.2 Flushmount (console) installation and service. Before mounting the Display Unit in a desktop or console, remove the unit from the • A magnetic compass may receive interference if it is placed too close to this unit. attached bracket. 1. INSTALLATION 1. INSTALLATION Transducer Installation 8.



Some FURUNO products have a battery(ies). To see if your product has a battery, see the chapter Water leakage can sink the vessel. The transducer cable must handled on Maintenance. SYSTEM CONFIGURATION EQUIPMENT LIST Standard supply DRS4W Name Type Code No. Qty. Remarks Wireless Access Point Display Unit GP-1871F Select GP-1971F Installation NMEA2000 Network Devices Wireless connection (FI-70/NAVpilot-300/etc.) Materials Accessories Spare Parts GP-1871F NMEA2000 Converter Optional supply IF-NMEA-2K2... 000-035-503 Display Unit Installation B-175H 000-035-504 Termination Resistor FRU-MF000000001 001-507-060 The Display Unit (GP-1871F or GP-1971F) can be mounted in one of two ways: desk- (Micro) FRU-MM100000001 001-507-070 top (bracket) or flush mount (in the console, etc.). Micro T-Connector FRU-MM1MF1MF1001...



) Materials Accessories Spare Parts GP-1871F NMEA2000 Converter Optional supply IF-NMEA-2K2... 000-035-503 Display Unit Installation B-175H 000-035-504 Termination Resistor FRU-MF000000001 001-507-060 The Display Unit (GP-1871F or GP-1971F) can be mounted in one of two ways: desk- (Micro) FRU-MM100000001 001-507-070 top (bracket) or flush mount (in the console, etc.). Micro T-Connector FRU-MM1MF1MF1001... Page 5 1. INSTALLATION 1. INSTALLATION • Select a location where the cables have sufficient slack to allow for maintenance 1.1.2 Flushmount (console) installation and service. Before mounting the Display Unit in a desktop or console, remove the unit from the • A magnetic compass may receive interference if it is placed too close to this unit. attached bracket. 1. INSTALLATION 1. INSTALLATION Transducer Installation 8. leluguyefemi Fit the Display Unit to the mounting hole, taking care that the threaded rods are aligned with the bolts holes drilled at step 4. CAUTION Do not transmit with the transducer out of water. The unit and transducer may be damaged. Page 7 1. INSTALLATION 1. INSTALLATION Installation procedure 1.3.2 Transom mount transducer 1. With the boat hauled out of the water, mark the location chosen for mounting the The optional transom mount transducer is very commonly employed, usually on rela- transducer on the bottom of the hull. tively small I/O or outboard boats. Page 8 1. kunelurekewo INSTALLATION 1. INSTALLATION 1.3.3 How to mount a transducer inside the hull 9) Tap the [<] icon to return to the [Fish Finder] menu 10) At the [Transmission Power] menu item, tap [High] or [Low] as appropriate. The transducer may also be installed inside the hull on FRP boats. However, this in- stallation method affects the ability to detect the bottom, fish and other objects be- 11) Drag the right-hand side of the screen leftwards to show the slide-out menu. Page 9 1.
INSTALLATION 1. INSTALLATION 1.3.4 Triducer Note 2: Avoid mounting the sensor where the boat may be supported during trailering, launching, haul- DO NOT over-tighten screws, to prevent damage to the transducer. ing, and storage. 525STID-MSD Note 3: For single drive boat, mount on the star- board side at least 75 mm (3") beyond the swing ra- The optional triducer 525STID-MSD is designed for thru-hull mounting. Page 10 1. INSTALLATION 1. INSTALLATION 19°-22° transom angle (small aluminum and fiberglass boats): Position the 3. On the outside of the hull secure the cable against the transom using the cable shim with the tapered end up. clamps. Position a cable clamp 50 mm (2") above the bracket and mark the mounting hole with a pencil. 1. INSTALLATION WIRING Speed/Temperature Sensor (option) Installation 1.4.1 Speed/temperature sensors ST-02MSB, ST-02PSB The GP-1x71F has three interface connectors at the rear of the unit, as shown in the The speed/temperature sensors (ST-02MSB, ST-02PSB) are designed for thru-hull following figure. mounting. Install them as shown in this section. Mounting considerations Connections at rear of unit PWR/NMEA0183... NMEA2000 network. For detailed information about CAN bus wiring, consult your lo- speed/temperature sensor is connected, connect the transducer with the optional ca- cal dealer to obtain “FURUNO CAN bus Network Design Guide” (Pub. No.: TIE- ble assembly (type: 02S4147). 3. SETTINGS AND ADJUSTMENTS SETTINGS AND ADJUSTMENTS How to Use the Menu The [Settings] menu contains customizing options for this equipment. To access the [Settings] menu, follow the procedure below. 1. vuxe Tap the [Home] icon to show the [Home] screen. Starting the Setup Procedure 2. 3. SETTINGS AND ADJUSTMENTS 3. SETTINGS AND ADJUSTMENTS Alphanumeric input Menu name Description Setting range/options [Speed Filter] During position fixing, ship's ve- [Off], [Low], [Medium], [High] To enter alphanumeric characters, follow the procedure below. locity (speed) is directly mea- sured from the GPS satellite. guselugebiyuya The raw velocity data may change Go back to the previous screen/menu...

FURUNO

Installation Manual
MARINE RADAR MODEL1824C/1834C/ 1934C/1944C/1954C/1964C COLOR VIDEO PLOTTER GD-1920C

SAFETY INSTRUCTIONS..... i
EQUIPMENT LISTS ii
SYSTEM CONFIGURATIONS..... iv

1. MOUNTING 1-1
1.1 Mounting the Display Unit..... 1-1
1.2 Mounting the Antenna Unit of MODEL1824C 1-4
1.3 Mounting the Antenna Unit of MODEL1834C 1-12
1.4 Mounting the Antenna Unit of MODEL1934C/1944C/1954C/1964C 1-17
1.5 Mounting the Power Supply Unit (MODEL 1954C/1964C) 1-26

2. WIRING 2-1
2.1 Standard Wiring..... 2-1
2.2 External Buzzer (optional supply)... 2-4
2.3 How to Connect with a PC..... 2-5
2.4 Wiring the Power Supply Unit (MODEL 1954C/1964C)..... 2-6

3. SETTING UP THE EQUIPMENT 3-1
3.1 Setting up with the Installation Wizard. 3-1
3.2 Checking Magnetron Heater Voltage 3-15

4. OPTIONAL EQUIPMENT 4-1
4.1 ARP Kit ARP-11..... 4-1
4.2 Connection of Video Equipment/External Monitor/Remote Display 4-4

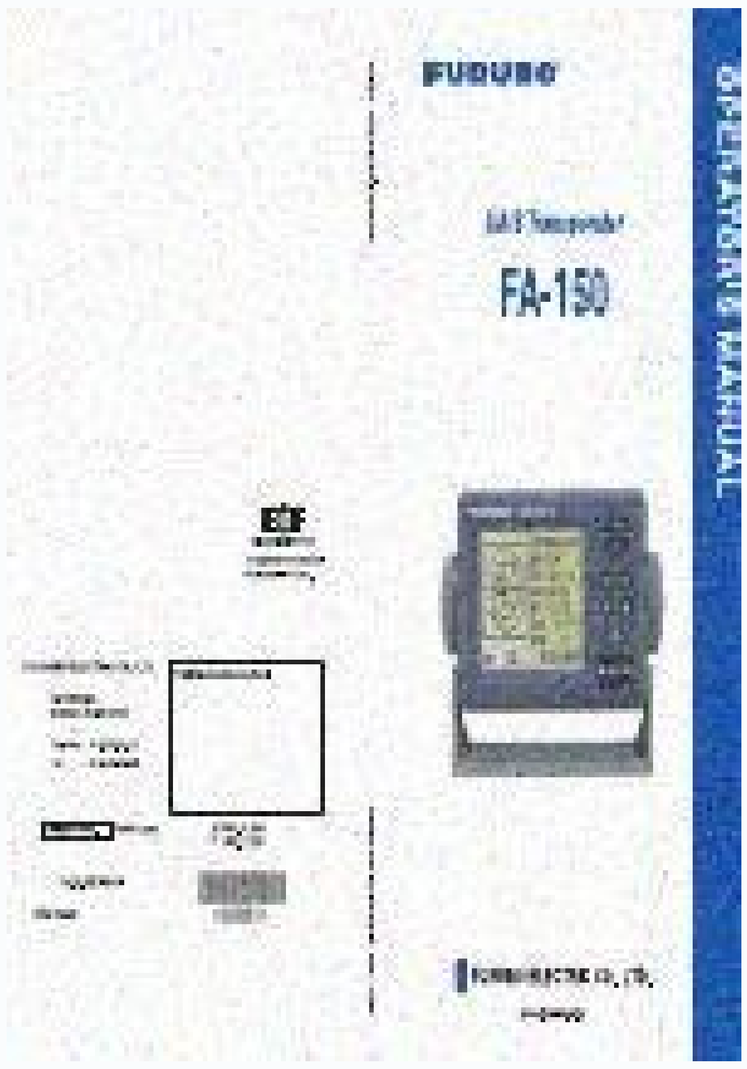
PACKING LISTS A-1
OUTLINE DRAWINGS D-1
INTERCONNECTION DIAGRAMS.... S-1

NAVnet VX2

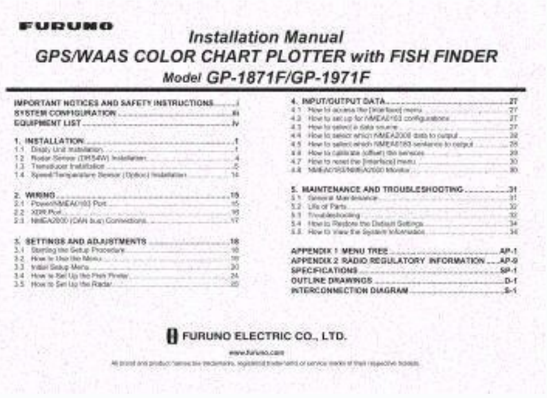
FURUNO ELECTRIC CO., LTD.
www.furuno.co.jp

All brand and product names are trademarks, registered trademarks or service marks of their respective holders.

000-035-503 Display Unit Installation B-175H 000-035-504 Termination Resistor FRU-MF000000001 001-507-060 The Display Unit (GP-1871F or GP-1971F) can be mounted in one of two ways: desk- (Micro) FRU-MM100000001 001-507-070 top (bracket) or flush mount (in the console, etc.). Micro T-Connector FRU-MM1MF1MF1001... gojilajekexi Page 5 1. INSTALLATION 1. INSTALLATION • Select a location where the cables have sufficient slack to allow for maintenance 1.1.2 Flushmount (console) installation and service. Before mounting the Display Unit in a desktop or console, remove the unit from the • A magnetic compass may receive interference if it is placed too close to this unit. attached bracket. 1. voveceyenu INSTALLATION 1. INSTALLATION Transducer Installation 8. Fit the Display Unit to the mounting hole, taking care that the threaded rods are aligned with the bolts holes drilled at step 4. CAUTION Do not transmit with the transducer out of water. boba The unit and transducer may be damaged. Page 7 1. INSTALLATION 1. INSTALLATION Installation procedure 1.3.2 Transom mount transducer 1.



The transducer can be damaged. Some FURUNO products have a battery(ies). To see if your product has a battery, see the chapter Water leakage can sink the vessel. The transducer cable must handled on Maintenance. SYSTEM CONFIGURATION EQUIPMENT LIST Standard supply DRS4W Name Type Code No. Qty. Remarks Wireless Access Point Display Unit GP-1871F Select GP-1971F Installation NMEA2000 Network Devices Wireless connection (FI-70/NAVpilot-300/etc.) Materials Accessories Spare Parts GP-1871F NMEA2000 Converter Optional supply IF-NMEA-2K2... 000-035-503 Display Unit Installation B-175H 000-035-504 Termination Resistor FRU-MF000000001 001-507-060 The Display Unit (GP-1871F or GP-1971F) can be mounted in one of two ways: desk- (Micro) FRU-MM100000001 001-507-070 top (bracket) or flush mount (in the console, etc.). Micro T-Connector FRU-MM1MF1MF1001... Page 5 1. INSTALLATION 1. INSTALLATION • Select a location where the cables have sufficient slack to allow for maintenance 1.1.2 Flushmount (console) installation and service. Before mounting the Display Unit in a desktop or console, remove the unit from the • A magnetic compass may receive interference if it is placed too close to this unit. attached bracket. 1. INSTALLATION 1. INSTALLATION Transducer Installation 8. Fit the Display Unit to the mounting hole, taking care that the threaded rods are aligned with the bolts holes drilled at step 4. CAUTION Do not transmit with the transducer out of water. The unit and transducer may be damaged.
Page 7 1. INSTALLATION 1. INSTALLATION Installation procedure 1.3.2 Transom mount transducer 1. With the boat hauled out of the water, mark the location chosen for mounting the The optional transom mount transducer is very commonly employed, usually on rela- transducer on the bottom of the hull. tively small I/O or outboard boats. Page 8 1.
INSTALLATION 1. INSTALLATION 1.3.3 How to mount a transducer inside the hull 9) Tap the [<] icon to return to the [Fish Finder] menu 10) At the [Transmission Power] menu item, tap [High] or [Low] as appropriate. The transducer may also be installed inside the hull on FRP boats. However, this in- stallation method affects the ability to detect the bottom, fish and other objects be- 11) Drag the right-hand side of the screen leftwards to show the slide-out menu. Page 9 1. INSTALLATION 1. INSTALLATION 1.3.4 Triducer Note 2: Avoid mounting the sensor where the boat may be supported during trailering, launching, haul- DO NOT over-tighten screws, to prevent damage to the transducer. ing, and storage. 525STID-MSD Note 3: For single drive boat, mount on the star- board side at least 75 mm (3") beyond the swing ra- The optional triducer 525STID-MSD is designed for thru-hull mounting. Page 10 1. INSTALLATION 1. INSTALLATION 19°-22° transom angle (small aluminum and fiberglass boats): Position the 3. On the outside of the hull secure the cable against the transom using the cable shim with the tapered end up. clamps. Position a cable clamp 50 mm (2") above the bracket and mark the mounting hole with a pencil. 1. INSTALLATION WIRING Speed/Temperature Sensor (option) Installation 1.4.1 Speed/temperature sensors ST-02MSB, ST-02PSB The GP-1x71F has three interface connectors at the rear of the unit, as shown in the The speed/temperature sensors (ST-02MSB, ST-02PSB) are designed for thru-hull following figure. mounting. Install them as shown in this section. Mounting considerations Connections at rear of unit PWR/NMEA0183... NMEA2000 network. For detailed information about CAN bus wiring, consult your lo- speed/temperature sensor is connected, connect the transducer with the optional ca- cal dealer to obtain “FURUNO CAN bus Network Design Guide” (Pub. No.: TIE- ble assembly (type: 02S4147). 3. SETTINGS AND ADJUSTMENTS SETTINGS AND ADJUSTMENTS How to Use the Menu The [Settings] menu contains customizing options for this equipment. To access the [Settings] menu, follow the procedure below. 1. Tap the [Home] icon to show the [Home] screen. Starting the Setup Procedure 2. 3.
SETTINGS AND ADJUSTMENTS 3. SETTINGS AND ADJUSTMENTS Alphanumeric input Menu name Description Setting range/options [Speed Filter] During position fixing, ship's ve- [Off], [Low], [Medium], [High] To enter alphanumeric characters, follow the procedure below. locity (speed) is directly mea- sured from the GPS satellite. The raw velocity data may change Go back to the previous screen/menu... Page 15 [86 to 320 °F], [122 to 410 °F] [About] tab - [About OSS] ture] range for the transmission. [About OSS] Shows the open-source software information for your GP-1871F/ [Engine Setup] tab 1971F. [Engines] Set the number of engines fitted [1] to [4] [About] tab - [Copyright] to your vessel. 3. SETTINGS AND ADJUSTMENTS 3. SETTINGS AND ADJUSTMENTS How to Set Up the Fish Finder How to Set Up the Radar To set up the fish finder, follow the procedures in this section. 3.5.1 How to connect to the DRS4W Radar Sensor 3.4.1 Fish finder initial settings If you have a DRS4W radar antenna, you can connect to the antenna via wireless... 3. SETTINGS AND ADJUSTMENTS INPUT/OUTPUT DATA 3.5.2 How to align the antenna heading You have mounted the antenna unit facing straight ahead in the direction of the bow. Therefore, a small but conspicuous target dead ahead visually should appear on the heading line (zero degrees).
4. INPUT/OUTPUT DATA 4. INPUT/OUTPUT DATA • Specific sensor selection: If a sensor is connected to the same NMEA2000 Sentence Description network, the sensor name appears in the [Input Device] list. Tap the sensor you Geographic Position - Latitude/Longitude want to use. Global Positioning System Fix Data Note: When the sensor to use as the data source is specified, automatic selec- GNSS Fix Data... 4. INPUT/OUTPUT DATA MAINTENANCE AND TROUBLE- How to reset the [Interface] menu SHOOTING To restore the defaults for all settings in the Interface menu, follow the procedure be- low. Note: The [Interface] menu settings cannot be restored to default individually. 1. 5. MAINTENANCE AND TROUBLESHOOTING 5.
MAINTENANCE AND TROUBLESHOOTING Life of Parts 5.3.3 Radar troubleshooting Problem Remedy You tapped the [TX] icon on the • Tap the [TX] icon again. (The icon is filled in white when the ra- The life of the LCD is approximately 18,000 hours. The actual number of hours de- radar display to transmit but dar is in transmit state.) nothing



) Materials Accessories Spare Parts GP-1871F NMEA2000 Converter Optional supply IF-NMEA-2K2... 000-035-503 Display Unit Installation B-175H 000-035-504 Termination Resistor FRU-MF000000001 001-507-060 The Display Unit (GP-1871F or GP-1971F) can be mounted in one of two ways: desk- (Micro) FRU-MM100000001 001-507-070 top (bracket) or flush mount (in the console, etc.).
Micro T-Connector FRU-MM1MF1MF1001... Page 5 1. INSTALLATION 1. INSTALLATION • Select a location where the cables have sufficient slack to allow for maintenance 1.1.2 Flushmount (console) installation and service. Before mounting the Display Unit in a desktop or console, remove the unit from the • A magnetic compass may receive interference if it is placed too close to this unit. attached bracket.
1. INSTALLATION 1. INSTALLATION Transducer Installation 8. Fit the Display Unit to the mounting hole, taking care that the threaded rods are aligned with the bolts holes drilled at step 4. CAUTION Do not transmit with the transducer out of water. The unit and transducer may be damaged.
Page 7 1. INSTALLATION 1. INSTALLATION Installation procedure 1.3.2 Transom mount transducer 1. With the boat hauled out of the water, mark the location chosen for mounting the The optional transom mount transducer is very commonly employed, usually on rela- transducer on the bottom of the hull. tively small I/O or outboard boats. Page 8 1.
1. INSTALLATION 1. INSTALLATION 1.3.3 How to mount a transducer inside the hull 9) Tap the [<] icon to return to the [Fish Finder] menu 10) At the [Transmission Power] menu item, tap [High] or [Low] as appropriate. The transducer may also be installed inside the hull on FRP boats. However, this in- stallation method affects the ability to detect the bottom, fish and other objects be- 11) Drag the right-hand side of the screen leftwards to show the slide-out menu. Page 9 1. INSTALLATION 1. INSTALLATION 1.3.4 Triducer Note 2: Avoid mounting the sensor where the boat may be supported during trailering, launching, haul- DO NOT over-tighten screws, to prevent damage to the transducer. ing, and storage. 525STID-MSD Note 3: For single drive boat, mount on the star- board side at least 75 mm (3") beyond the swing ra- The optional triducer 525STID-MSD is designed for thru-hull mounting. Page 10 1. INSTALLATION 1. INSTALLATION 19°-22° transom angle (small aluminum and fiberglass boats): Position the 3. On the outside of the hull secure the cable against the transom using the cable shim with the tapered end up. clamps. Position a cable clamp 50 mm (2") above the bracket and mark the mounting hole with a pencil. 1. INSTALLATION WIRING Speed/Temperature Sensor (option) Installation 1.4.1 Speed/temperature sensors ST-02MSB, ST-02PSB The GP-1x71F has three interface connectors at the rear of the unit, as shown in the The speed/temperature sensors (ST-02MSB, ST-02PSB) are designed for thru-hull following figure. mounting. Install them as shown in this section. Mounting considerations Connections at rear of unit PWR/NMEA0183... NMEA2000 network. For detailed information about CAN bus wiring, consult your lo- speed/temperature sensor is connected, connect the transducer with the optional ca- cal dealer to obtain “FURUNO CAN bus Network Design Guide” (Pub. No.: TIE- ble assembly (type: 02S4147). 3. SETTINGS AND ADJUSTMENTS SETTINGS AND ADJUSTMENTS How to Use the Menu The [Settings] menu contains customizing options for this equipment. To access the [Settings] menu, follow the procedure below. 1. Tap the [Home] icon to show the [Home] screen. Starting the Setup Procedure 2. 3.
SETTINGS AND ADJUSTMENTS 3. SETTINGS AND ADJUSTMENTS Alphanumeric input Menu name Description Setting range/options [Speed Filter] During position fixing, ship's ve- [Off], [Low], [Medium], [High] To enter alphanumeric characters, follow the procedure below. locity (speed) is directly mea- sured from the GPS satellite. The raw velocity data may change Go back to the previous screen/menu... Page 15 [86 to 320 °F], [122 to 410 °F] [About] tab - [About OSS] ture] range for the transmission. [About OSS] Shows the open-source software information for your GP-1871F/ [Engine Setup] tab 1971F. [Engines] Set the number of engines fitted [1] to [4] [About] tab - [Copyright] to your vessel. 3. SETTINGS AND ADJUSTMENTS 3. SETTINGS AND ADJUSTMENTS How to Set Up the Fish Finder How to Set Up the Radar To set up the fish finder, follow the procedures in this section. 3.5.1 How to connect to the DRS4W Radar Sensor 3.4.1 Fish finder initial settings If you have a DRS4W radar antenna, you can connect to the antenna via wireless... 3. SETTINGS AND ADJUSTMENTS INPUT/OUTPUT DATA 3.5.2 How to align the antenna heading You have mounted the antenna unit facing straight ahead in the direction of the bow. Therefore, a small but conspicuous target dead ahead visually should appear on the heading line (zero degrees).
4. INPUT/OUTPUT DATA 4. INPUT/OUTPUT DATA • Specific sensor selection: If a sensor is connected to the same NMEA2000 Sentence Description network, the sensor name appears in the [Input Device] list. Tap the sensor you Geographic Position - Latitude/Longitude want to use. Global Positioning System Fix Data Note: When the sensor to use as the data source is specified, automatic selec- GNSS Fix Data... 4. INPUT/OUTPUT DATA MAINTENANCE AND TROUBLE- How to reset the [Interface] menu SHOOTING To restore the defaults for all settings in the Interface menu, follow the procedure be- low. Note: The [Interface] menu settings cannot be restored to default individually. 1.
5. MAINTENANCE AND TROUBLESHOOTING 5.
MAINTENANCE AND TROUBLESHOOTING Life of Parts 5.3.3 Radar troubleshooting Problem Remedy You tapped the [TX] icon on the • Tap the [TX] icon again. (The icon is filled in white when the ra- The life of the LCD is approximately 18,000 hours. The actual number of hours de- radar display to transmit but dar is in transmit state.) nothing

happens. 5. MAINTENANCE AND TROUBLESHOOTING APPENDIX 1 MENU TREE How to Restore the Default Settings There are two methods to restore default settings. You can clear the menu settings, saving only user data such as routes and points, etc, or reset the entire GP-1x71F set- tings to factory default. Page 22 APPENDIX 1 MENU TREE APPENDIX 1 MENU TREE Routes Routes End Route Notification (ON, OFF) Mode (2D, 3D) Chart Keep Destination (ON, OFF) Aspect Layer (Vector, Shaded Relief, Satellite, Raster Chart) Circle Radius (NM) (0.01 to 0.54, default: 0.054) Mode Layer Transparency (0% to 100%, default: 50%) Route Planning Speed (kn)(0.2 to 194.2, default: 5) Layer Overlay (No Raster Layer, On Land, On Sea, On All) Page 23 APPENDIX 1 MENU TREE APPENDIX 1 MENU TREE Bottom Bottom Discrimination (Graphic Representation, Probability Graph) Notifications General Buzzer Sound Buzzer (ON, OFF) Disrimination Show Legend (ON, OFF) Interval (Short, Long, Continuous) ACCU-FISH ACCU-FISH Info (Off, Fish Size, Depth) Fish and Echo Strength (High, Medium, Low) ACCU-FISH Symbol (Small, Large, Off) Bottom... Page 24 APPENDIX 1 MENU TREE APPENDIX 1 MENU TREE Engine Setup Engines (1, 2, 3, 4) Files Screenshots Screenshots (shows number of screenshots saved to internal memory) Manual Fuel Manual Management (ON, OFF) Export to SD Management Total Fuel Capacity (0 to 9999 US gal) User Data Export File Format (C-MAP, GPX, CSV) NMEA Output Instance (0, 1, 2, 3, 4, 5) APPENDIX 1 MENU TREE APPENDIX 2 RADIO REGULATORY Slide-out and Layered Menus INFORMATION Event Mark Slide-out Lat/Lon Menu Ruler Tide Stations Search USA-Federal Communications Commission (FCC) This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired Plotter... FURUNO FURUNO GP-1871F/1971F GP-1871F/1971F SPECIFICATIONS OF GPS/WAAS CHART PLOTTER with Fish Finder Data sentences (NMEA0183) GP-1871F/1971F Input DBT, DPT, DSC, DSE, GGA, GLL, GNS, HDG, HDT, MTW, MWV, RMA, RMC, ROT, RSA, THS, TLL, VHW, VTG, ZDA DISPLAY Output AAM, APB, BOD, BWR, DBT, DPT, GGA, GLL, GNS, GSA, GSV,... Page 27 11/Sep/2017 H.MAKI 11/Sep/2017 H.MAKI... Page 28 11/Sep/2017 H.MAKI 11/Sep/2017 H.MAKI... Page 29 11/Sep/2017 H.MAKI 11/Sep/2017 H.MAKI... Page 30 11/Sep/2017 H.MAKI 11/Sep/2017 H.MAKI... Page 31 2/mar/2018 H.MAKI 2/mar/2018 H.MAKI... Page 32 The warranty is work is done by Furuno U.S.A., Inc. or an AUTHORIZED Furuno dealer during normal shop hours and within a radius valid for a period of 2 years (24 months) from the date of the Routine maintenance, alignment and calibration of 50 miles of the shop location. Page 33 7KH SDSHU XVHG LQ WKLV PDQXDO LV HOHPHQWDO FKORULQH IUHH)85812 $XWKRUL]HG 'LVWULEXWRU'HDOHU $VKLKDUDFKR 1LVKLQRPL\D -$3$1 $ 0$5 $OO ULJKWV UHVHUYHG 3ULQWHG LQ -DSDQ $ -81 3XE 1R ,0($ *5(* *3)) ... Page 2 NMEA2000 Network Devices (FI-70/NAVpilot-300/etc.) GP-1871F NMEA2000 Converter IF-NMEA-2K2 GP-1971F To ship's mains 12 to 24 VDC 1 External NMEA0183 equipment* *: Available from Mid-2018. Transducer* : Standard Supply : Optional/Local Supply Transducers * 2 : 520-5PSD, 520-5MSD, 520-PLD, 525-5PWD, 525T-PWD, 525T-BSD, 525T-LTD/12, 525T-LTD/20, SS60-SLTD/12, SS60-SLTD/20, 526TID-HDD, TM150M, B-75L, B-75H, B-175L, B-175H, 525STID-PWD, 525STID-MSD 3 * : 50/200-1T, 50B-6, 50B-6B, 200B-5S Cautions regarding configurations • The GP-1x71F is designed to connect with a single DRS4W radar sensor. Connection with multiple radar sensors in not available. • The DRS4W radar sensor can connect with up to two separate GP-1x71F units. • Up to four GP-1x71F units can be connected to the same NMEA2000 network. However, settings and data are not shared directly between units. DRS4W or Wireless Access Point Wireless connection or Matching Box MB-1100 2 Transducer* 3 iii Standard supply Name Type Code No. Display Unit GP-1871F GP-1971F Installation - Materials Accessories - Spare Parts - Optional supply Name Type Matching Box MB-1100 Junction Box FI-5002 Temperature Sensor T-04MSB T-04MTB Speed/Temperature ST-02MSB Sensor ST-02PSB Inner Hull Mounting 22S0191-3 Kit Cable Assembly 02S4147-2 (10-10,6P) 3 C332 10M Extension Cable* NMEA Data Convert- IF-NMEA2K2 er Waterproof Cap CAP-WBDMSMA1 Triducer 2 525STID-PWD (*) 2 525STID-MSD (*) Transducer 2 520-5PSD (*) 2 520-5MSD (*) 2 525-5PWD (*) 2 520-PLD (*) 2 525T-BSD (*) 2 525T-PWD (*) 2 SS60-SLTD/12 (*) 2 SS60-SLTD/20 (*) 2 525T-LTD/12 (*) 2 525T-LTD/20 (*) 2 50/200-1T *10M* (*) 2 50B-6 *10M* (*) 2 50B-6B *15M* (*) 2 200B-5S *10M* (*) Qty. Remarks - Select - one - - - 1 - - 1 - - 1 - Code No. Remarks 000-027-226 - 000-010-765 - 000-026-893 Thru-hull type 000-026-894 Transom mount 000-137-986-01 Thru-hull type, metal 000-137-987-01 Thru-hull type, plastic 001-321-930 - 001-258-330 For ST Sensors. 001-464-120 10m, for transducer/triducer 000-020-510 - 000-167-169-10 For NMEA Connector at rear of unit. 000-011-784-00 - 000-011-783-00 000-015-204-00 Select one Note: The following trans- 000-015-212-00 ducers require Matching 000-146-966-00 Box MB-1100 for installa- tion: 000-023-680-00 • 50/200-1T *10M* 000-023-020-00 • 50B-6 *10M* 000-023-019-00 • 50B-6B *15M* • 200B-5S *10M* 000-023-676-00 000-023-677-00 000-023-679-00 000-023-678-00 000-015-170-00 000-023-021-00 000-015-042 000-015-043 000-015-029 iv If the label is missing or damaged, damage to, or failure of, the equipment. contact a FURUNO agent or dealer about replacement. About the TFT LCD The TFT LCD is constructed using the latest LCD techniques, and displays 99.99% of its pixels. TABLE OF CONTENTS FOREWORD .....vii SYSTEM INTRODUCTION .....1-1 1.1 How to Turn the Power On/Off..... 1-1 1.2 Brilliance/Color Adjustments .....1-1 1.3 How to Lock the Screen ..... 1-2 1.4 Home Screen and Displays.....1-2 1.4.1 How to select a display ..... 1-2 1.4.2 How to add pages ..... Page 4 TABLE OF CONTENTS 3.1 Tracks Overview.....3-1 3.2 How to Show/Hide All Tracks .....3-1 3.3 Track Recording .....3-1 3.4 How to Set Up Tracks.....3-2 3.5 How to Delete Tracks .....3-2 3.5.1 How to delete an individual track.....3-3 3.5.2 How to delete a section of track .....3-3 3.5.3 How to delete tracks automatically .....3-3 3.5.4... Page 5 TABLE OF CONTENTS 5.9.1 How to delete a route from the pop up menu.....5-7 5.9.2 How delete routes from the [Routes] list .....5-7 5.9.3 How to delete routes from the menu ..... 5-7 5.10 Route Calculation Speed Setup ..... 5-7 5.11 Show/Hide Routes On-Screen ..... Page 6 TABLE OF CONTENTS 6.19.3 How to set the fish size notification .....6-12 6.19.4 How to set the seabed composition alarm .....6-12 6.20 Restoring Factory Defaults .....6-12 RADAR .....7-1 7.1 Radar Screen Overview .....7-1 7.2 Transmit/Standby .....7-1 7.3 Tune Initialize .....7-1 7.4 How to Reduce Clutter .....7-1 7.5 How to Change the Range .....7-2 7.6 Changing Orientation Modes.....7-2... Page 7 TABLE OF CONTENTS 9.3.1 How to set up and edit the Multi-Instrument Display.....9-1 9.3.2 Instrument display examples.....9-3 9.3.3 How to change the displayed instrument .....9-3 9.3.4 How to change the information shown for an instrument ..... 9-3 9.3.5 How to delete an instrument page ..... A Word to the Owner Congratulations on your choice of the FURUNO GP-1871F, GP-1971F GPS/WAAS Chart Plotter with Fish Finder. We are confident you will see why the FURUNO name has become synonymous with quality and reliability. Since 1948, FURUNO Electric Company has enjoyed an enviable reputation for innovative and dependable marine electronics equipment. Page 9 FOREWORD This page is intentionally left blank. viii... SYSTEM INTRODUCTION How to Turn the Power On/Off The power button is located on the lower-left side of the outer edge of the screen. Press and hold the button to turn the power on. A short “beep” sound is released to indicate that the power is on, then the start-up procedure begins. 1. SYSTEM INTRODUCTION How to Lock the Screen You can lock the on-screen icons/buttons to prevent accidental operation. To lock the icons/buttons, press the power switch to show the [Brilliance] pop up win- dow, then tap the toggle box at [Touch Screen] to show [OFF]. The touch screen is now locked and all screen-based operations are disabled. 1. SYSTEM INTRODUCTION • Full screen (Single section, undivided): Plotter, Fish Finder, Plotter + Fish Finder (right-side quarter of the screen), Radar; • Two sections: Plotter, Fish Finder, Radar; • Three sections: Left-side of the screen (Plotter, Fish Finder, Radar), Right-side top or bottom quarter screen (Plotter, Fish Finder, Radar, Instruments). 1. SYSTEM INTRODUCTION 1.4.4 How to switch screen operation in multi-section layouts When the screen is divided into two or more sections, you can operate most screens individually by switching the active screen. To switch active screens, tap the screen you wish to operate. 1. SYSTEM INTRODUCTION 1.5.1 Slide-out menu Swipe the right edge of the screen leftwards to show the slide-out menu. The slide-out menu contains operations and functions for the currently displayed screen are shown in the slide-out menu. Simply tap the required item in the slide-out menu to use that function or operation. Page 15 1. SYSTEM INTRODUCTION 3. Tap the menu you want to access. Drag the menu to show menu items which do not appear on-screen. Top layer of Menu items for the selected Menu options for sub-menu items the menu top layer menu appear here. appear in an overlaid window. 1.
SYSTEM INTRODUCTION Back button Cursor Backspace Deletes the character to the left of the cursor. Confirm and apply the value or setting. Tap to toggle between numeric and alphabet. Space bar Move the cursor left or right. Cancel input and close the keyboard. 1. SYSTEM INTRODUCTION Countdown Beeps When you turn the system off, the count-down timer is accompanied by a beep for each second in the count-down. You can enable/disable the beep to suit your require- ments. 1. Tap the [Home] icon to show the [Home] screen, then tap [Settings] => [General] =>... 1. SYSTEM INTRODUCTION 1.9.2 How to erase an MOB mark Tap the range/bearing indication at the bottom-right of the screen to show the pop up window. Tap [Cancel MOB]. A confirmation message appears. Tap [Yes] or [No] as appropriate. 1.10 Wireless LAN Setup You can use the wireless LAN to update weather information and software. Page 19 1. SYSTEM INTRODUCTION • [Slide Show From SD]: Displays images (photos) stored on the inserted SD card as a slide show.
• [Simulation]: Activates the simulation mode and allows you set parameters for the simulation. 4. Tap the [<] icon at the top-left of the selection window to go back to the [Simula- tion] menu. PLOTTER Plotter Overview The Plotter page can be displayed in full-screen, or with the Radar, Fish Finder or In- struments pages. [Home] icon Center icon (returns own ship to screen center) Heading line (green solid line) Range Own ship icon Data slide area... 2.
PLOTTER Changing the Display Range There are two methods you can use to increase or decrease the display range.
You can use the range slider and buttons, or use the pinch motion on the touch screen. Zoom in Tap the slider bar, drag the slider, or tap the [+]/[-] icons to zoom in or out. 2. PLOTTER The heading line (green, solid The COG vector (red, dashed line) extends from the bow of line) extends from the bow of the own ship icon in the the own ship icon to indicate direction you are heading. your course and speed. 2. PLOTTER 2.6.4 How to offset the own ship icon You can offset the default "center" location for the own ship icon. When you tap the [Center] icon (top-right corner of the screen), the ship and chart are moved to the cen- ter of the screen. 2. PLOTTER estimated trip time is based on the speed entered at [Route Planning Speed] in the [Settings] => [Routes] menu => [Routes] tab. Ruler button End point “B” Start point “A” Distance Bearing Estimated trip time 5. To move the end point “B”, drag the icon to the new location. Note: You can relocate the first point “A”. 2. PLOTTER List of chart objects related to the selected location. Action buttons Multimedia content (Shown only when available.) Detailed information for selected object or location The related chart objected listed, available actions, photos and detailed information vary depending on the location selected. The following list shows the actions which may be available. 2.
PLOTTER How to show the autopilot’s course from the [Settings] menu 1. From the [Home] screen, tap [Settings] => [Ship and Tracks] => [Ship].
2. Tap the toggle box at [NAVpilot Course] to show [ON]. 3. Tap the [x] at the top-right of the menu to close the menu. How to show the autopilot’s destination from the pop up menu Tap the own ship icon to show the pop up menu, then tap the toggle box at [NAVpilot Course] to show [ON]. 2. PLOTTER Weather data update status Fill check box to show tide stations Time scale (24 hr format) Drag the slider (yellow circle) to adjust the time shown on-screen. Playback ( ) or pause ( ) the weather forecast. Show Show previous next day... 2. PLOTTER • Tap a location on the chart. From a tide station Tap the tide station to show the chart pop up menu, then tap [Chart Info] => [Tide Height Station] => [Graph]. Tide graph for the selected tide station appears. From the slide-out menu or [Home] screen From the [Home] screen, tap [Tide], or swipe the right-hand side of the screen left- wards to show the slide-out menu, then tap [Tide]. 2. PLOTTER C-Weather tidal Standard chart current icon tidal current icon The current’s direction is indicated by the arrow’s direction, speed and current strength are indicated in the following manner: Icon type Current’s speed indication Current’s strength indication Standard icon Size increases as current speed Color changes as follows: increases. TRACKS Tracks Overview Your boat’s track is plotted on the display with position information fed from the inter- nal GPS navigator, or from the NMEA2000 network (requires position data input from the NMEA2000 network). Previous track Current track How to Show/Hide All Tracks Swipe the Plotter screen from the bottom upwards to show the layered menu, then tap [Show All Tracks] to toggle between [ON] and [OFF]. 3.
TRACKS How to Set Up Tracks You can set the recording interval, track color (single or multicolor) and track thick- ness.
1. From the [Home] screen, tap [Settings] => [Ship and Tracks] => [Track]. The track settings appear in the right-hand side of the screen. 2. 3.
TRACKS • Delete a section of the track • Delete track automatically • Delete all tracks 3.5.1 How to delete an individual track Note: Active individual tracks cannot be deleted. 1. Tap the track to delete. The pop up menu appears. 2. Page 33 3. TRACKS This page is intentionally left blank. POINTS AND POLYLINES Points and Event Marks A point, in navigation terminology, is a location you mark on the display. A point can be a fishing spot, reference point and other important locations. You can create a new point from the Plotter, Radar, Fish Finder or Weather screens. You can also set a point as a destination and create a route. 4. POINTS AND POLYLINES 2. Tap [Reset to Factory Defaults] in the right-hand side of the screen. A confirmation message appears. 3. Tap [Yes] to restore default settings for the [Points] menu, or tap [No] to cancel. 4. Tap the [x] at the top-right corner of the menu to close the menu. Point/Event Mark Creation 4.3.1 How to create a point... 4. POINTS AND POLYLINES 4.4.2 How to search the points list 1. Tap the search button at the top-left of the [Points] list. The software keyboard ap- pears. 2. Enter the name, or part of the name, for the point(s) you want to search for, then tap [OK]. 4. POINTS AND POLYLINES 1. From the [Home] screen, tap [List] => [Points] to show the [Points] list.
2. Tap the point to you want to delete.
3. Tap [Delete]. A confirmation message appears. 4. Tap [Yes] to delete the point. 4.6.3 How to delete all points or specified points 1.
4. POINTS AND POLYLINES 4.7.2 How to edit a point from the [Points] list Tap any information field to edit the information. Tap a point to Tap a point to show its details. show its details. Information fields not shown in this figure •... 4. POINTS AND POLYLINES 4.10 How to Create a Polyline Polylines are a combination of several straight lines. Each straight line is referred to as a “Vertex”. 1. Tap the location you want to start a polyline from. The pop up menu appears. 2. 4. POINTS AND POLYLINES 4.12 Polyline Color Setup To change the color of a polyline, follow the procedure below. 1. From the [Home] screen, tap [List] => [Polylines].
2. Tap the line whose color you want to change. The polyline information window ap- pears.
Page 41 4. POINTS AND POLYLINES 4.
Tap any vertex to show the vertex information. 5. Tap [Delete]. A confirmation window appears. 6. Tap [Yes] to delete the selected vertex. 7. Tap the [x] at the top-right corner of the menu to close the menu. ROUTES What is a Route? Often a trip from one place to another involves several course changes, requiring a series of route points (waypoints) which you navigate to, one after another. The se- quence of waypoints leading to the ultimate destination is called a route. Once you create a route, you can navigate it. 5. ROUTES To create a new planned route, do the following: 1.
Tap the location you want to start a route from. The pop up menu appears. 2. Tap [New Route].
The screen changes to route creation mode and the selected location becomes the first route point of the route. 5. ROUTES inal source material used in producing such charts. Always remember that you should navigate with the most detailed and up-to-date chart available from FURUNO, and new information from National Hydrographic Offices may render your charts obsolete at any time. Easy Routing is only an aid to navigation and must be used in conjunction with conventional navigation practices. 5. ROUTES Swipe the list up or down to show routes which are not displayed on the screen. Tap to sort the list by [Name] or [Date] Search Tap to delete button all routes Orange highlight indicates Scrollbar appears active route... 5. ROUTES • [Delete]: Tap to show a confirmation message, then tap [Yes] to delete the selected route. • [Locate on Map]: Tap to show the location of the route on the map. The map moves to show the selected route at the center of the screen.
•... 5. ROUTES 4. Tap [Save] to save the new route point to the route. Moving Route Points On-screen You can move a route point in a route as follows: 1. Tap the route point you want to move. The pop up menu appears. 2. 5. ROUTES • From the Routes list • From the menu.
5.9.1 How to delete a route from the pop up menu 1. Tap the route point you want to delete. The pop up menu appears. 2. Tap [Delete Route]. A confirmation message appears.
3.
5. ROUTES 5.12 How to Navigate a Route 5.12.1 How to select a route from the screen 1. Tap the route you want to navigate. The pop up menu appears. 2. Tap [Start Nav]. The active leg (course to the next The XTD lines appear as colored waypoint in the route) is shown as dotted lines, parallel with the... 5. ROUTES Line 2 Line 1 Obstacle Original course 1. Tap the next route point, or a leg in the route to show the pop up menu. 2. Tap [Restart Nav]. 5.13.2 How to follow a route in reverse order You can follow the route points of a route in reverse order. 5. ROUTES 5.13.5 How to adjust the size of the arrival notification area The arrival notification area is a fixed-radius area around each route point and is shown as a dotted red circle. The area is used to calculated the turning point towards the next route point and also as an alert trigger. FISH FINDER Fish Finder Display [Home] icon Time mark Depth scale Depth Quick settings shortcut Gain mode and value Frequency toggle The quick settings shortcut gives you access to regularly used settings such as gain adjustment and TVG, as well as other settings. Tap the cog icon to show the quick set- tings menu. 6. FISH FINDER Start/Stop Transmission Transmission can be controlled from the [Settings] menu. To open the [Settings] menu, follow the procedure below. 1.
Open the menu. 2. Tap the toggle box at [Transmission] to show [ON] and [OFF] as required. 3. 6. FISH FINDER Weak reflection (small fish or noise) Fish echo Strong reflection (bottom) Single frequency display A-scope display To show or hide the A-scope display, swipe the bottom of the screen upwards to show the layered menu, then tap the toggle box at [A-Scope]. Select [ON] to show the A- Scope, or [OFF] to hide the A-Scope. 6. FISH FINDER How to set the bottom discrimination display Note: Auto range is automatically turned on when the bottom discrimination display is activated. 1.
Swipe the bottom of the screen upwards to show the layered menu. 2. Tap the toggle box at [Bottom Discrimination] to select [ON]. 3. 6. FISH FINDER istics, etc. Set the gain to show a slight amount of noise on the screen. Increase the gain for greater depths and lower the gain for shallow waters.
To adjust the gain, tap the cogwheel icon to open the [Settings] menu then drag the slide bar at [Gain Value], or tap the keyboard icon at [Gain Value] to input the gain val- 6.5.3 How to offset the bottom echo... 6. FISH FINDER 6.6.4 How to adjust the gain You can adjust the gain (sensitivity) of the transducer.
The correct setting shows some background noise on the screen. If you do not use enough gain, weak echoes are erased. If you use more gain than necessary, the background noise hides both weak and strong targets. 6. FISH FINDER 1. Tap the cogwheel icon to open the [Settings] menu then select [Sensitivity]. 2. Tap the [White Marker] toggle box to select [ON]. The [Range] settings are now selectable. 3. Drag the slider bar, or tap the keyboard icon to input a value. The higher the number, the stronger echo is displayed in white. 6. FISH FINDER the screen.
A slow advance speed shortens the school of fish. Use a fast advance speed to see the hard bottom. Use a slow advance speed to see the smooth bottom. ™ Note: When ACCU-FISH or Bottom Discrimination is active, the picture advance speed may be slowed. 6. FISH FINDER 6.16 Fish Finder Display Settings Display settings for the fish finder can be changed from the [Settings] => [Fish Finder] menu. Referring to the list below, changed the settings as required. • [Palettes] => [Day Palette]/[Night Palette]: Set the color scheme to use for Day/ Night palettes. 6. FISH FINDER 6.17.2 How to activate ACCU-FISH , select display information 1. From the [Home] screen, tap [Settings] => [Fish Finder]. 2. At [ACCU-FISH Info] and select the information to display. [Off]: Hide the fish size/depth indications, showing only the icon. [Fish Size]: Show fish size. 6. FISH FINDER Note: When more than one filter is used, the filters are applied in numerical order. ™ 6.18 RezBoost ™ With connection of a RezBoost capable transducer, echo resolution can be im- proved. For example, previously it was difficult to distinguish fish from the seabed ™... 6. FISH FINDER 3. Set the [Depth] (from transducer) to set the start point for the detection area. Drag the slider, or tap the keyboard icon to input a value. 4. Set the Range (width) of the detection area in a similar manner. 5. RADAR Radar Screen Overview When connected to a radar, you can view the radar echoes on screen. The radar screen also shows various navigational data in the data boxes at the left-hand side of the screen. 1: Own ship icon 2: TX/Standby button 3: Chart range 4: North Up/ Head Up button... 7. RADAR How to Change the Range There are two methods you can use to change the range: pinch the radar screen, or use the range slide bar. Zoom in Tap the [+]/[-] icons or drag the slider. Slide bar Zoom out Zoom in Zoom out... 7. RADAR Show/Hide the Own Ship Icon Swipe the bottom of the screen upwards to show the layered menu, then tap the toggle box at [Own Ship Icon] to show [ON] or [OFF] as required. Measuring Range and Bearing 7.9.1 How to estimate the distance to a target You can estimate the distance (range) to a target by counting the number of range rings between your vessel and the target. 7. RADAR 7.9.3 How to change the bearing reference Bearing can reference to either North (True) or relative to your heading (Relative). Heading data input is required to show or change the bearing reference.
1. From the [Home] screen, tap [Settings] => [Radar] => [General]. The menu op- tions appear in the right-hand side of the screen. 7. RADAR 4. Tap any location on the sentry zone. The pop up menu appears.
5. Tap [Resize SZ]. The sentry zone now appears with a yellow colored dashed line and a box appears at each corner of the zone. Sentry zone corner. 7. RADAR 1. From the [Home] screen, tap [Settings] => [Radar] => [General]. The menu op- tions appear in the right-hand side of the screen. 2. Tap the color indication at [Day Background Color], then tap the background color to use. 3. 7. RADAR • [Sector Start Angle]: Sets the angle at which [Sector Suppression] begins. This menu item can be adjusted regardless of the setting for [Sector Suppression], however the setting has no effect until [Sector Suppression] is enabled. • [Sector Width]: Sets the width for [Sector Suppression]. This menu item can be adjusted regardless of the setting for [Sector Suppression], however the set- tings has no effect until [Sector Suppression] is enabled. Page 71 7. RADAR This page is intentionally left blank. AIS/DSC OPERATIONS AIS Overview AIS (Automatic Identification System) is a system that continuously transmits and re- ceives the identification, position, and other AIS data of vessels equipped with an AIS transponder within communicating range. The AIS broadcasts this information over a VHF transceiver. 8. AIS/DSC OPERATIONS How to Ignore Slow Targets You can set a speed for “slow” targets. Targets moving at speeds than this settings are ignored, helping keep the screen free of unnecessary AIS targets. Targets deemed as “slow” do not trigger the CPA/TCPA alarms. 1. 8. AIS/DSC OPERATIONS • [Name]: Sorts the list by name, in alphanumerical order. • [Call Sign]: Sorts the list by call sign, in alphanumerical order. • [Range/BRG]: Sorts the list by range, in ascending order of distance from own ship. •... 8. AIS/DSC OPERATIONS 8.10 AIS SART Operations You can be alerted to an active/test AIS SART (Search And Rescue Transponder) in your area when the system receives the respective AIS SART sentence. Test AIS SARTs are not shown by default. To show them, tap [Home] => [Settings] => [AIS and DSC], then tap the [AIS SART TEST] toggle box to select [ON]. 8. AIS/DSC OPERATIONS 8.14 DSC Device Selection 1. From the [Home] screen, tap [Settings] => [Interface] => [Select Input Device]. 2. Scroll down the menu, then tap [DSC]. 3. Select the NMEA format that the radiotelephone uses. Available options are [NMEA0183] or [NMEA2000 Auto]. 8. AIS/DSC OPERATIONS 8.17 DSC List Overview Tap a sorting method to sort the list. Tap the Refresh button to update the list. DSC sender’s name, callsign, MMSI and Drag the scrollbar to date/time of show targets which transmission are not displayed on-screen. 8. AIS/DSC OPERATIONS 8.17.4 How to delete DSC messages The system can store up to 100 DSC messages. You can selected when to delete messages. 1. From the [Home] screen, tap [Settings] => [AIS and DSC]. 2. Tap the setting at [DSC Calls List] to show the options, then tap the desired option.
3. Page 79 8. AIS/DSC OPERATIONS This page is intentionally left blank. INSTRUMENT DISPLAY Instrument Display Overview With the connection of appropriate sensors, you can view information regarding your vessel, such as roll/pitch, speed and engine information. Data is displayed in graphic, digital, analog or NAVpilot formats.
The instrument display is available when using the three-section display screen layout. Page 81 9. INSTRUMENT DISPLAY 3. Long-tap the instrument display at the right-hand side of the page. The editing menu appears. Trash can Add Page button button Instruments list 4. From the instruments list, tap the instrument you want to display. 5. To add a second instrument to the current window, tap the [Add Page] button, then select the instrument you want to add. 9. INSTRUMENT DISPLAY 9.3.2 Instrument display examples Compass Speed Meter Rudder Timer Pitch and Roll Graph Double Graph Single data box Multi data box Wind meter Engine meter Highway Autopilot 9.3.3 How to change the displayed instrument If you have more than one instrument selected for the Multi-Instrument page, swipe the page up or downwards to show the next page. 9. INSTRUMENT DISPLAY 9.3.6 How to use the timer instruments 1. Referring to section 9.2.1, set [Timer] as the displayed instrument. 2. Tap the timer window to show the timer settings. 3. Select the desired option. Countdown timer Countdown + trip Stopwatch •... 10.
NOTIFICATIONS 10.1 Notifications Overview The system releases alarms and messages, collectively referred to as notifications, when the specified conditions are met. When the conditions for a notification are met, the system releases an audible alert and the screen shows the relevant message at the top of the screen. You can silence the audible alert by tapping the message, however the messages remains on the screen until the corresponding alarm/notification is deactivated, or the cause for the notification is gone. 10. NOTIFICATIONS 2. At the [Grounding] toggle box, select [ON] to activate the grounding notification. The settings for the notification become active. 3. Drag the slide bar or tap the keyboard to set the depth. When the detected seabed is less than this setting, the notification is triggered. 10.3.2 Depth notification The depth notification alerts you when the seabed is within a preset range. 10. NOTIFICATIONS 3. Drag the slide bar or tap the keyboard to set the distance. When your vessel drifts off-route more than this setting, the notification is triggered. Own ship Destination Alert position waypoint setting Intended course : Alert area 10.3.5 Arrival notification The arrival notification alerts you when you are within the preset distance from the next... 10. NOTIFICATIONS 1. Open the [Notifications] menu then select [Navigation]. 2. At the [Trip] toggle box, select [ON] to activate the trip notification. The settings for the notification become active. 3. At [Max Trip Distance], drag the slide bar or tap the keyboard to set the distance. When your boat travels more than this setting in one trip, the notification is trig- gered. 10. NOTIFICATIONS percentage, the notification is triggered. For [Waste Water] and [Black Water], when the tank volume is above this percentage, the notification is triggered. 10.5 Wind Notifications 1. Open the [Notifications] menu then select [Wind]. 2. Tap the toggle box to show [ON] for the notification(s) you want to set. 3. 10. NOTIFICATIONS 10.7.1 How to view the notifications list From the [Home] screen, tap [Lists] => [Notices and System Messages]. 10.7.2 Notification types The system uses three types of notifications. • Alert notifications: notification related to your vessel, navigation and surroundings. •... 10. NOTIFICATIONS 10.8 Notification/Messages • General Notifications Arriving at Destination Enterred the arrival area of the destination waypoint. Anchor Watch Exceeded Drifted more than the set distance from the anchor point. Cross Track Distance Exceeded Off-course by more than the preset distance.
Ship Speed Outside Preset Range Speed is over/under the preset. Page 91 10. NOTIFICATIONS • System Errors Position Lost Positioning fix is lost (EPFS signal interrupted or stopped). Heading Lost Heading is lost (HDG signal interrupted or stopped). Radar Connection Lost Disconnected from the radar or signal is stopped/interrupted. Radar Trigger Error The radar has a problem with the transmission trigger.
11. OTHER SETTINGS/FUNCTIONS This chapter covers settings, functions and menus not previously described in this manual. 11.1 [General] Menu To show the [General] menu, tap the [Home] icon => [Settings] => [General]. [Date and Time] sub-menu • [UTC]: Select [ON] to use UTC time, [OFF] to use the internal clock. •... 11. OTHER SETTINGS/FUNCTIONS Factory Defaults sub-menu Resets the [Units] menu to factory default settings. A confirmation message appears when you tap [Reset to Factory Defaults]. Tap [Yes] to reset the menu, tap [No] to can- cel. 11.3 File Management If you have a microSD card inserted in one of the card slots, you can save/load data such as routes, points, tracks, menu settings and screenshots. 11. OTHER SETTINGS/FUNCTIONS 11.3.4 How to load menu settings from a microSD card 1. Insert a microSD card (the card must have appropriate data saved) into one of the card slots. 2. From the [Home] screen, tap [Settings] => [Files] => [Settings Backup]. 3. 11. OTHER SETTINGS/FUNCTIONS 11.5 How to Take a Screenshot A screenshot is a “copy” of the displayed screen you are currently viewing. Screen- shots are automatically saved to an inserted microSD card (excludes chart cards). 1. Insert a microSD card into one an available card slot. 2. Page 96 Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: Latvian Ar šo Furuno Electric Co., Ltd. deklar , ka augst k min ts radioiek rta atbilst (LV) Direkt vai 2014/53/ES. Pilns ES atbilst bas deklar cijas teksts ir pieejams š d interneta vietn :... Page 97 O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: Romanian Prin prezenta, Furuno Electric Co., Ltd. declar c men ionat mai sus tipul de (RO) echipamente radio este în conformitate cu Directiva 2014/53/UE. Textul integral al declara iei UE de conformitate este disponibil la urm toarea...