

Discontinued Products & Maintenance

This is information on Discontinued Products & Maintenance for marine market, discontinuation date and alternative products are shown in the following lists. Alternative products may be differences on the dimension, specification etc., since please ask our sales or service department.

Maintenance Support

According to the Guideline for Navigation and Radio Communication Equipment Maintenance issued by the Navigation Equipment Grope of the Japan Marine Equipment Association, maintenance support shall, in principal, be assured for a period of ten years after discontinuation of products. We will make an effort to extend the maintenance period after the end of support date. However, there may be unavoidable circumstances where maintenance support cannot be provided because of the unavailability of the required parts or other factor.

Note:

A: Available

B: Still available except some parts

C: Unavailable

TBA: To Be Announced

| Products | Type | Discontinued Date of Production | Discontinued Date of Maintenance | Parts Availability | Alternative Product |
|--------------------------|--|---------------------------------|----------------------------------|--------------------|------------------------------------|
| Gyro Compass | GM-10 | Jan-1990 | Unavailable | C | ES-180 |
| Gyro Compass | GM-20 Series | Mar-2021 | Feb-2031 | A | ES-180 |
| Gyro Compass | ES-11A | Jul-1992 | Unavailable | C | ES-180 |
| Gyro Compass | ES-110/120/140/160 | Jun-2023 | TBA | A | ES-180 |
| Gyro Compass | TG-3000 | Sep-2002 | Unavailable | C | TG-8100 Series |
| Gyro Compass | TG-5000 | Jan-1995 | Unavailable | C | TG-8100 Series |
| Gyro Compass | TG-6000 | Jul-2003 | TBA | B | TG-8100 Series |
| — | | | | | |
| Magnet Compass | SH-165A | Aug-2001 | Unavailable | C | SH-165A1/SH-165A2 |
| Magnet Compass | KF Series | Feb-2001 | Unavailable | C | — |
| Magnet Compass | SM-611A | Mar-1999 | Unavailable | C | — |
| Magnet Compass | SM-711A | Feb-2001 | Unavailable | C | — |
| Electric Magnet Compass | EMC Series | Oct-1998 | Unavailable | C | — |
| — | | | | | |
| Rate of Turn Meter | ROTI-100 | Sep-2002 | Unavailable | C | — |
| Rate of Turn Meter | ROTI-200 | May-2008 | Unavailable | C | ROTI-320 |
| Rate of Turn Meter | ROTI-300 | Mar-2008 | Unavailable | C | ROTI-320 |
| Rate of Turn Meter | ROTI-310 | Sep-2023 | 2032 | A | ROTI-320 |
| — | | | | | |
| Auto Pilot | PR-100Series | 1985 | Unavailable | C | — |
| Auto Pilot | PR-200Series | 1982 | Unavailable | C | - PR-3000Series - PR-9000Series |
| Auto Pilot | PR-1000Series | Sep-2000 | Unavailable | C | — |
| Auto Pilot | PR-1500Series | Sep-2003 | Unavailable | C | — |
| Auto Pilot | PR-1600Series | Apr-2002 | Unavailable | C | — |
| Auto Pilot | PR-2000Series | Jan-2023 | TBA | A | PR-3000Series |
| Auto Pilot | PR-4000Series | Nov-1991 | Unavailable | C | PR-9000Series |
| Auto Pilot | PR-5000Series | Jan-1986 | Unavailable | C | PR-9000Series |
| Auto Pilot | PR-6000Series/Early Model (Non Feedback sensor alarm) | Mar-2007 | TBA | B | PR-9000Series |
| Auto Pilot | PR-6000Series/Late Model (Feedback sensor alarm) | Jul-2017 | TBA | A | PR-9000Series |
| Auto Pilot | PR-7000Series | Nov-1991 | Unavailable | C | PR-9000Series |
| Auto Pilot | PR-8000Series | May-1998 | Unavailable | C | PR-9000Series |
| Heading Control System | PR-6000-ZZ | May-2016 | TBA | B | PR-9000-ZZ |
| Tracking Interface | TIF-6 | Jan-2017 | TBA | B | TIF-3 |
| Tracking Pilot | TP-10 | Mar-2003 | Unavailable | C | — |
| Tracking Pilot | TP-20 | Aug-2005 | Unavailable | C | — |
| Tracking Pilot | TP-30Series | Sep-2006 | Unavailable | C | — |
| Engine Remote Controller | SE-1D | Feb-2005 | Unavailable | C | — |
| — | | | | | |
| Joystick Controller | TOMAC-100 | Oct-2002 | Unavailable | C | — |

| Products | Type | Discontinued Date of Production | Discontinued Date of Maintenance | Parts Availability | Alternative Product |
|-------------------------|--|---------------------------------|----------------------------------|--------------------|--|
| Hydraulic Steering Gear | for PR-2000Series S/T-015 to 250 | Apr-1985 | Unavailable | C | — |
| Hydraulic Steering Gear | for PR-1000Series UN/TN/UP-003 to 014 | Apr-1990 | Unavailable | C | — |
| Hydraulic Steering Gear | for PR-1500Series MP/MU/MT-002 to 014TC | Apr-2003 | Unavailable | C | — |
| Hydraulic Steering Gear | for PR-1600Series HMT-008TC HMT-014TC HMU-008TC HMU-014TC | Apr-2003 | Unavailable | C | — |
| Hydraulic Steering Gear | for PR-2000Series SS/TS-015 to 085 SS-100 SL/TL-015 to 085 SL-100 SP-W**-015 to 250 | Apr-1993 | Unavailable | C | for PR-3000Series SS/TS-020S/R to 085S/R SS-100S/R SL/TL-020S/R to 085S/R SL-100S/R SP-W**-015S to 250S |

| | | | | | |
|-------------------------------------|---|----------|-------------|---|---|
| RADAR (for coastal vessel) | BR-100Series | Jan-2000 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-200Series | Jan-1992 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-300Series | Jan-1993 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-900Series | Feb-1999 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-910Series | Mar-2002 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-1000Series | Feb-2000 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-1210Series | Mar-2002 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-1220 Series | Dec-2022 | 2031 | A | — |
| RADAR (for coastal vessel) | BR-1500Series | Mar-2002 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-1520 Series | Dec-2022 | 2031 | A | — |
| RADAR (for coastal vessel) | BR-1800Series | Jan-2001 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-2220C Series | Sep-2003 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-2500Series | Jan-1995 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-2510C Series | Dec-1998 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-2520C Series | Oct-2006 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-2530C Series | May-2004 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-2540Series | Oct-2008 | Unavailable | C | — |
| RADAR (for coastal vessel) | BR-2550Series | Jul-2019 | 2028 | A | — |
| RADAR (for coastal vessel) | BR-2570 Series | Apr-2023 | 2032 | A | — |
| RADAR (for coastal vessel) | SRV-270 | Mar-1998 | Unavailable | C | — |
| RADAR (for coastal vessel) | RASCAR2510Series | Jul-1993 | Unavailable | C | — |
| RADAR (for medium or large vessels) | BR-1600Series | Jan-1993 | Unavailable | C | — |
| RADAR (for medium or large vessels) | RASCAR2500Series | Oct-1995 | Unavailable | C | — |
| RADAR (for medium or large vessels) | RASCAR3400Series | Oct-1995 | Unavailable | C | — |
| RADAR (for medium or large vessels) | RA50 Series (Anritsu) | 2004 | Unavailable | C | — |
| RADAR (for medium or large vessels) | RA70 Series (Anritsu) | 2002 | Unavailable | C | — |
| RADAR (for medium or large vessels) | BR-3460Series | Aug-2007 | Unavailable | C | — |
| RADAR (for medium or large vessels) | BR-3440Series (Prior to IMO MSC.64 (67)) | Dec-1998 | Unavailable | C | — |
| RADAR (for medium or large vessels) | BR-3440Series (Comply with IMO MSC.64 (67)) | Nov-2008 | Unavailable | C | — |
| RADAR (for medium or large vessels) | BR-3440Series (50KW 60KW type) | 2004 | Unavailable | C | — |
| RADAR (for medium or large vessels) | BR-3200Series | 2017 | 2026 | B | — |
| RADAR (for medium or large vessels) | BR-3210 Series | Jul-2023 | 2032 | A | — |

| | | | | | |
|---|----------------------|----------|-------------|---|-----------------|
| Electronic Chart System/ECS | ECS-3000 | May-2004 | Unavailable | C | ECS-9000 Series |
| Electronic Chart System/ECS | ECS-4000 | Feb-2015 | Mar-2025 | B | ECS-9000 Series |
| Electronic Chart System/ECS | EC-5000 | Jul-2003 | Unavailable | C | EC-9000 Series |
| Electronic Chart System/ECS | EC-6000 | May-2001 | Unavailable | C | EC-9000 Series |
| Electronic Chart System/ECS | EC-6000S | Mar-2003 | Unavailable | C | EC-9000 Series |
| Electronic Chart System/ECS | ECS-4100 | Jun-2021 | 2030 | B | ECS-9000 Series |
| Electronic Chart System/ECS | ECS-8100/8600 Series | Sep-2022 | 2031 | A | ECS-9000 Series |
| Electronic Chart Display and Information System/ECDIS | EC-7000/7500 | Feb-2009 | Unavailable | C | EC-9000 Series |
| Electronic Chart Display and Information System/ECDIS | EC-7000-A/7500-A | Aug-2016 | Unavailable | C | EC-9000 Series |
| Electronic Chart Display and Information System/ECDIS | EC-8000/8500 Series | Jun-2015 | Mar-2025 | B | EC-9000 Series |
| Electronic Chart Display and Information System/ECDIS | EC-8100/8600 Series | Nov-2022 | 2031 | A | EC-9000 Series |
| Electronic Chart Display and Information System | NID-2500 Series | Jan-1995 | Unavailable | B | — |
| Chart Plotter | TCP-3000 | Oct-2013 | Unavailable | C | — |
| Chart Plotter | TCP-8000 | Oct-2022 | Mar-2031 | A | — |
| Bridge Monitor | BM-2000 | May-2002 | Unavailable | C | BM-9000 |
| Bridge Monitor | BM-3000 | Dec-2011 | Unavailable | C | BM-9000 |
| Bridge Monitor | BM-8000/8500 Series | Feb-2015 | Mar-2025 | B | BM-9000 |

| Products | Type | Discontinued Date of Production | Discontinued Date of Maintenance | Parts Availability | Alternative Product |
|--|--------------------------------|---------------------------------|----------------------------------|--------------------|----------------------------------|
| Engine Monitor | EM-80 | 1993 | Unavailable | C | — |
| Engine Monitor | EM-1000 | 1994 | Unavailable | C | — |
| Engine Monitor | EM-1600 | 2003 | Unavailable | C | — |
| Engine Monitor | EM-3200 | Apr-2003 | Unavailable | C | — |
| Engine Monitor | EM-5000 | Apr-1988 | Unavailable | C | — |
| Radio Communication System MF/HF | RSS112A Simplex | Nov-2003 | Unavailable | C | — |
| Radio Communication System MF/HF | RSS112A Duplex | Nov-2003 | Unavailable | C | — |
| Radio Communication System MF/HF | RSS113A Simplex | Jul-2007 | Unavailable | C | — |
| Radio Communication System MF/HF | RSS113A Duplex | Nov-2005 | Unavailable | C | — |
| Radio Communication System MF/HF | RSS107SA-82 | Nov-1998 | Unavailable | C | — |
| Radio Communication System MF/HF | RSS107SB-82 | Nov-1998 | Unavailable | C | — |
| Radio Communication System MF/HF | TRM-1500 | Oct-2016 | Unavailable | C | — |
| Radio Communication System MF/HF | TRM-1510 | Dec-2021 | 2030 | A | — |
| Radio Communication System VHF | RSS201A | Jun-2005 | Unavailable | C | — |
| Radio Communication System VHF | RU224A | Jun-2004 | Unavailable | C | — |
| Radio Communication System VHF | TRV-1000 | Jun-2014 | Unavailable | C | — |
| Radio Communication System VHF | TRV-2000 | Aug-2022 | 2031 | A | — |
| Transceiver VHF | RU215C | Sep-2013 | Unavailable | C | — |
| Two Way Radio | RU207A | Mar-2001 | Unavailable | C | — |
| Two Way Radio | RU230A-B | Apr-2020 | 2027 | A | — |
| Central FM Handy Terminal | SF400PBT | Mar-1999 | Unavailable | C | — |
| Central FM | SF401A | Apr-2006 | Unavailable | C | — |
| Central FM | TRU-4500 | Sep-2013 | Unavailable | C | — |
| Central FM | TRU-4510 | Dec-2021 | 2028 | A | — |
| Navtex Receiver (Japanese) | RR108A | Sep-2005 | Unavailable | C | — |
| Navtex Receiver | RR103A | Oct-2005 | Unavailable | C | — |
| Weather Fax | RF116A (10inch) | May-2001 | Unavailable | C | — |
| Weather Fax | RF117A (15inch) | Jul-2005 | Unavailable | C | — |
| Weather Fax | RRJ-01 (10inch) | Jan-2008 | Unavailable | C | — |
| Weather Fax | TRW-1000 | Jun-2020 | 2029 | A | — |
| INMARSAT Fleet F77 | TRF-7700 | Aug-2012 | Unavailable | C | — |
| INMARSAT FB | TRF-150 | Nov-2012 | Unavailable | C | — |
| INMARSAT FB | TRF-250 | Oct-2020 | 2029 | A | — |
| INMARSAT FB | TRF-500 | Jun-2022 | 2031 | A | — |
| INMARSAT C | RSS405A | Feb-1999 | Unavailable | C | — |
| INMARSAT C | RSS406A | May-2004 | Unavailable | C | — |
| INMARSAT C | RSS403A | Jan-1996 | Unavailable | C | — |
| VSAT | TRK-900 | Sep-2019 | 2028 | A | — |
| VSAT | TRK-1200 | Aug-2018 | 2027 | A | — |
| AIS | TRA-1000 | Feb-2005 | Unavailable | C | — |
| AIS | TRA-2000 | Dec-2013 | Unavailable | C | — |
| AIS | TRA-3000 | Sep-2022 | 2031 | A | — |
| GPS Receiver | GR-80 | 1997 | Unavailable | C | — |
| GPS Receiver | GR-1000 | Jan-1995 | Unavailable | C | — |
| GPS Receiver | GR-2000 | Dec-2000 | Unavailable | C | — |
| GPS Receiver | GR-3000 | Feb-2001 | Unavailable | C | — |
| GPS Plotter(color) | GRP-500 | Jan-2001 | Unavailable | C | — |
| GPS Plotter(color) | GRP-1000 | May-2001 | Unavailable | C | — |
| GPS Plotter(color) | GRP-2000 | Dec-2002 | Unavailable | C | — |
| Printer (for VHF Radio) | RF-18A | Mar-2006 | Unavailable | C | — |
| Printer (for VHF Radio) | RRZ-06 | Jul-2018 | 2027 | A | — |
| Public Addresser | RV05A | Mar-2007 | Unavailable | C | — |
| Public Addresser | RV106A/107A | 2019 | 2028 | A | — |
| Speed Log | TD-200 Series | Feb-2002 | Unavailable | C | TD-310 |
| Speed Log | TD-501 | May-2002 | Unavailable | C | TD-310 |
| Course Recorder | CR-1/-2/-3/-4 | Oct-2020 | 2029 | B | CR-100 |
| Course Recorder | DCR-10/-20/-30/-40 | Oct-2019 | 2028 | B | DCR-100 |
| Impressed Current Cathodic Protection System /MACAPS | CPL Series | 1985 | Unavailable | C | — |
| Impressed Current Cathodic Protection System /MACAPS | CP Series (except CP-50A/100A) | Feb-2007 | Unavailable | C | CP-50A/100A |
| Fire alarm system | FD-1000 Series | Jun-2012 | Unavailable | C | Selling until parts stock lasts. |
| Fire alarm system | FD-3000 Series | Jun-2012 | Unavailable | C | Selling until parts stock lasts. |

Purchasing Products

| Products | Type | Discontinued Date of Purchasing | Discontinued Date of Maintenance | Parts Availability | Alternative Product |
|-------------------------------------|--------------------------|---------------------------------|----------------------------------|--------------------|---------------------|
| Radio Communication System MF/HF | SKANTI GMDSS 9000 Series | Feb-2000 | Unavailable | C | — |
| Radio Communication System VHF | SKANTI VHF 3000 Series | Feb-2000 | Unavailable | C | — |
| SSAS | T&T TT-3000SSA | Jul-2007 | Unavailable | C | — |
| Central FM Handy Terminal | GP-328Series | Jul-2017 | Unavailable | C | — |
| Central FM Handy Terminal | XiRP8600i | Oct-2021 | 2026 | A | — |
| Navtex Receiver | NT-2000 | Oct-2020 | 2027 | A | — |
| EPIRB | RJ302A | Mar-2003 | Unavailable | C | — |
| EPIRB | REB-23-1 | Sep-2005 | Unavailable | C | — |
| EPIRB | REB-24 | Jul-2001 | Unavailable | C | — |
| EPIRB | TEB-700 | Oct-2020 | 2029 | B | — |
| Search and Rescue Radar Transponder | TBR-500 | Mar-1997 | Unavailable | C | — |
| Search and Rescue Radar Transponder | TBR-600 | Sep-2013 | Unavailable | C | — |
| Search and Rescue Radar Transponder | TBR-610 | Sep-2022 | 2031 | A | — |
| INMARSAT C | SKANTI TM1250A | Jan-1995 | Unavailable | C | — |
| INMARSAT C | JRC JUE-75C | May-2007 | Unavailable | C | — |
| INMARSAT C | JRC JUE-85 | Mar-2013 | Unavailable | C | — |
| VDR | SAMSUNG SVDR(BASIC) * | May-2005 | Unavailable | C | — |
| VDR | SAMSUNG SVDR-N * | May-2011 | Unavailable | C | — |
| VDR | SAMSUNG SVDR-Pro * | Dec-2009 | Unavailable | C | — |
| VDR | SAMSUNG SVDR-3000 * | Jun-2014 | Unavailable | C | — |

* The maintenance parts of the VDR may not meet the requested delivery date depending on the manufacturer's supply situation.