

| Partnumber | Description |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VHF-Radio | |
| ZATR833S | VHF Transceiver 8,33kHz, 57mm housing - VOX-operated Intercom, 6W, LCD Display |
| ZATR833-II-LCD | VHF Transceiver 8,33kHz, 57mm housing - VOX-operated Intercom, 6W, LCD Display, Type Mk-II |
| ZATR833-II-OLED | VHF Transceiver 8,33kHz, 57mm housing - VOX-operated Intercom, 6W, OLED Display, Type Mk-II |
| ZATR833A-II-OLED | VHF Transceiver 8,33kHz, 160mm housing - VOX-operated Intercom, 6W, OLED Display, Type MK-II <i>Connector included for all transceivers ordered without wire harness</i> |
| ZATR833-II-BOX | VHF Transceiver 8,33kHz, 57mm housing - same as ATR833-II WITHOUT integrated control unit |
| ZATR833RT-II-LCD | Twin-seat control unit ATR833, 57mm housing, LCD Display for Type MK-II |
| ZATR833RT-II-OLED | Twin-seat control unit ATR833, 57mm housing, OLED Display for Type Mk-II |
| ZATR833-II-BL | VHF Transceiver ATR833-II-BOX (without display) inkl. Twin-seat control unit with LCD-display and accessories |
| ZATR833-II-BO | VHF Transceiver ATR833-II-BOX (without display) inkl. Twin-seat control unit with OLED-display and accessories |
| ZF10800 | FSG8: VHF Mobile Transceiver 8,33 kHz, Tx power 1,5 Watt/5,0 Watt incl. battery and antenna <i>Charger is not included, accessories for FSG4/5 can in most cases still be used</i> |
| VHF-Radio-Accessories | |
| VHF COM antenna 118MHz-137MHz | |
| AV-17 | ATR antenna (incl TSO) - connector BNC |
| SP100-10COC | ATR folded top antenna - cable 10m - (non TSO) |
| SP2000 | ATR folded top antenna - cable 0,47m - (non TSO) - connector BNC |
| SP200010 | Cable for SP2000 - cable 10m - connector BNC/open |
| wiring harness ATR833 | |
| BSKS833S-S | Cable loom ATR833xx single-seater for powered aircrafts and powered gliders |
| BSKS833D-S | Cable loom ATR833xx double-seater for powered aircrafts and powered gliders |
| BSKS833GLS-S | Cable loom ATR833xx single-seater for gliders |
| BSKS833GLD-S | Cable loom ATR833xx double-seater for gliders |
| BSKS833OE-S | Cable loom ATR833xx double-seater for powered aircrafts and powered gliders open ends <i>all ATR833 wiring harnesses come without PTT, please order ST2000A</i> |
| Adapter | |
| PNEAAD57-S | Adapter for wiring harness: ATR57 to ATR833xx |
| PNEAAD60-S | Adapter for wiring harness: ATR500 / ATR600 to ATR833xx |
| PNEAAD72-S | Adapter for wiring harness: ATR720A/C (and FSG 40) to ATR833xx |
| PNEAAD32-S | Adapter for wiring harness: AR3201 to ATR833xx |
| PNEAAD42-S | Adapter for wiring harness: AR4201 to ATR833xx |
| PNEAAD70-S | Adapter for wiring harness: FSG70/71-FSG2T to ATR833xx |
| PNEAADMA-S | Adapter for wiring harness: MicroAir to ATR833xx |
| PNEAADBT2-S | Bluetooth Dongle for our radios ATR833S/(A)-II (connection to SkyDemon via Bluetooth) |
| Cable loom miscellaneous | |
| ST2000A | PTT transmission button - cable 2,5m |
| BSKSZUB | wiring harness accessory pack for BSKSOE |
| ZATRPCKABEL-S | Set ATR-PC cable for database update ATR833 PCKabel (ATR>RS232) + PCKABEL-USB (RS232>USB) |
| Miscellaneous | |
| ZSHM | Dynamic gooseneck microphone - cable 4,5m - incl. mounting angle |
| SSATR2 | Connector plug ATR833 25pol. |
| Portable stations | |
| ZGS8-II | Portable station GS8-II for ATR833x radio - incl. antenna, battery, microphone, charger (without radio) |
| ZGS7-II | Portable station GS7-II for TRT800H transponder- incl. antenna, battery, charger (without transponder) |
| ZGS8-II+S | Portable station GS8-II for ATR833 - incl. ATR833S, antenna, battery, microphone, charger |
| ZGS8-II+LCD | Portable station GS8-II for ATR833 - incl. ATR833-LCD, antenna, battery, microphone, charger |
| ZGS8-II+OLED | Portable station GS8-II for ATR833 - incl. ATR833-OLED, antenna, battery, microphone, charger |
| ZGS7-II+LCD | Portable station GS7-II for TRT800H - incl. TRT800H-LCD, 2 antennas, battery, charger |
| ZGS7-II+OLED | Portable station GS7-II for TRT800H - incl. TRT800H-OLED, 2 antennas, battery, charger |
| ZATR833S-PC | Portable station PC-80 incl. ATR833S, antenna, microphone, integrated charger |
| ZATR833-II-PC | Portable station PC-80 incl. ATR833-II-LCD, antenna, microphone, integrated charger |
| Portable stations accessories | |
| GS-LADEGERÄT | Power charger portable station, 2/6/12V rechargeable battery 600mAh 230V for GS7 and GS8 |
| GS-II-LADEGERÄT | Power charger portable station, 2/6/12V rechargeable battery 600mAh 230V for GS7-II and GS8-II |
| F10345 | Antenna portable station radio (TNC) |
| ANTGS-TRT | Antenna portable station transponder (TNC) |
| PNEGAK01 | Spare battery 12V / 7,0Ah incl. retaining plate for GS6-GS7-GS8 portable station |
| LPC12-8.0 | Spare battery 12V / 8,0Ah for GS7-II and GS8-II portable station |
| ZDHM10ST-3POL | Dynamic hand microphone GS1 - incl. connection plug 180° / 3 Polig |
| ZDHM10ST-5POL | Dynamic hand microphone GS1 - Incl. connection plug 270° / 5 Polig |
| ZDHMG6 | Dynamic hand microphone GS6/GS8 - incl. connection plug 5pol. |

Partnumber Description

Mode S Transponder

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|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ZTRT800H-LCD | Transponder Mode A/C/S, class 1, 57mm housing, LCD display |
| ZTRT800H-OLED | Transponder Mode A/C/S, class 1, 57mm housing, OLED display |
| ZTRT800A-OLED | Transponder Mode A/C/S, class 1, 161mm housing, OLED display <i>power connector TRT800EMDS with address memory and serial RS232 interface is included</i> |
| ZTRT800RT-LCD | Twin-seat control unit TRT800, 57mm housing, LCD Display |
| ZTRT800RT-OLED | Twin-seat control unit TRT800, 57mm housing, OLED Display |

Transponder accessories

Transponder antenna

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|-------------|------------------------------------------------------------------------------------------|
| AV-74 | Transponder antenna "Shark Fin" (incl TSO) - connector BNC |
| AV-22 | Transponder antenna stick (6cm) (TSO) - connector BNC/SS |
| TRANSFLEX02 | Flexible transponder antenna - mesh - connector (non TSO) BNC |
| TRANSFLEX03 | Flexible transponder antenna - bronze plate (non TSO) - connector BNC |
| TRANSFLEX04 | Transponder antenna - copper block (non TSO) - connector BNC |
| DP1090-5 | Transponder antenna Dipol for lamination - cable 5m, - (non TSO) - con TNC-7 (not fixed) |
| SP1090-4 | TRT folded top antenna - cable 4m - (non TSO) - For use in a balloon, connector TNC |

Transponder antenna cable

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|----------|------------------------------------------------------|
| TRKABEL1 | Transponder antenna cable - 1,0m - connector BNC/TNC |
| TRKABEL2 | Transponder antenna cable - 2,5m - connector BNC/TNC |
| TRKABEL3 | Transponder antenna cable - 4,0m - connector BNC/TNC |
| TRKABEL4 | Transponder antenna cable - 6,5m - connector BNC/TNC |

Miscellaneous

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|--------------|------------------------------------------------------------------------------------------|
| ZTRT800EMDS | Transponder power connector and address memory with RS232 interface |
| ZTRT800EMRS | Transponder power connector and address memory with RS232 and remote interface |
| PNETAD82-KIT | ADS-B Out Kit for TRT800H, includes adapter and GPS receiver (also available separately) |

Mounting TRT800A

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|---------|-------------------------------------------------------------------------------|
| MB800A2 | Mounting-Block-Set for TRT800A (scope of delivery) |
| MB800AS | Mounting-Block-Set for TRT800A - flat mounting on panel (optional) |
| MB800KT | Mounting-Block Set for TRT800A - mounting inside the frame of KT76 (optional) |

Traffic Monitor

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|---------|-----------------------------------------------------------------------------------|
| ZTM250 | TM250, 57mm housing, incl. GPS Antenna (DA-1A03B), USB cable (TM-USB1) |
| ZTM350 | TM350, 35x65x115mm housing with mounting plate, incl. FLARM® Beacon functionality |
| LIC350F | FLARM® Licence Key for TM350 |

TM350 accessories

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|------------|---------------------------------------------------------------------|
| PNETAN35 | 1090MHz antenna inboard with rp-SMA plug |
| PNETAN80 | FLARM® antenna inboard with SMA plug |
| PNETAA80 | FLARM® antenna external (alternatively to PNETAN80) with SMA plug |
| DA-1A03SMC | GPS antenna with SMC plug |
| BSKS350F | Cable set (15-Pin) for Transponder, Audio and Button |
| BSKS350R | Cable set (9-Pin) (optional) for external Displays and Warning LEDs |
| TMKABEL1 | Transponder antenna cable - 1,0m - connector rpSMA/BNC |
| TMKABEL2 | Transponder antenna cable - 2,5m - connector rpSMA/BNC |
| TMKABEL3 | Transponder antenna cable - 4,0m - connector rpSMA/BNC |
| LD2000A | Yellow Warning LEDs (optional) |

TM250 accessories

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|-----------|-----------------------------------------------------------------|
| DA-1A03B | GPS antenna |
| PNETKB80 | Cable set for Transponder (third-party product) |
| PNETKA80 | Cable set for Transponder TRT800H |
| PNETKA80S | Cable set for Transponder TRT800A (lateral cable outlet) |
| TM250-MC | Minor Change for TM250 (not available for all type of aircraft) |
| 710597 | Antenna cable extension for TM250 Antenna 2m |
| 710598 | Antenna cable extension for TM250 Antenna 3m |
| TM-USB1 | USB cable |

ADS-B / Mode S Receiver

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|--------|----------------------------------------------------------------------------------------------------------------------------|
| ZRTH80 | Mode-S ADS-B Receiver, Class A0 1090MHz, Reception of all Mode S Downlink Formats Sensitivity: -78dBm, incl. Cable loom |
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Basic Flight Instrument

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|--------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ZBFI57 | Basic flight instrument for Ultralight Aircrafts, 57mm housing Display of speed, altitude, vario and track, incl. QNH-automatic and GPS |
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Partnumber Description

Repair Prices (Flat rates)

Please create a repair number (RMA) for each device on our homepage:

<https://www.funkeavionics.de/en/service/repairs-upgrades/>

| | |
|-------------|----------------------------------------------------------------------------------------|
| R-ATR5 | Repair transceiver ATR500 / ATR833 / ATR833A (until production year 2017) |
| R-ATR8 | Repair transceiver ATR833S / ATR833-II / ATR833A-II |
| R-ATRR | Repair transceiver ATR-Remote (remote control unit) |
| R-TRT8_1 | Repair transponder TRT800H / TRT800A (up to HW Mod 10) |
| R-TRT8_2 | Repair transponder TRT800H / TRT800A (from HW Mod 11) |
| R-TRTR | Repair transponder TRT-Remote (remote control unit) |
| K-FSG90X | Calibration / frequency adjustment transceiver FSG90 / FSG90 / FSG90-H1 / FSG90E-H1 |
| R-FSG90X | Repair transceiver FSG90 / FSG90 / FSG90-H1 / FSG90E-H1 (8,33 kHz) |
| R-FSG2T | Repair transceiver FSG2T (25 kHz) |
| R-FSG | Repair transceiver FSG40 / FSG50 / FSG60 / FSG70 / FSG71M (manufacturer Walter Dittel) |
| R-FSG8 | Repair VHF handheld transceiver FSG8 (8,33kHz) |
| R-FSG4/5/5W | Repair VHF handheld transceiver FSG4 / FSG5 / FSG5W (25 kHz) |
| R-FSG7016 | Repair UHF handheld transceiver FSG7016 (25 KHz) |

Devices that are not listed will be repaired according to the real repair costs (incl. estimate of cost).

This covers for example TM250, TM350, BF157 or RTH80 as well as accessories such as portable cases, adapters, cable looms, connectors etc.

For these units please select "Other Repairs at cost reimbursement" for this. Thank you!

Upgrades (Flat rates)

Please create a repair number (RMA) for each upgrade on our homepage:

<https://www.funkeavionics.de/en/service/repairs-upgrades/>

| | |
|----------------|------------------------------------------------------------------------------|
| UA8-2OL_8-2LC | Upgrade ATR833 2-knob OLED to 2-knob LCD + SW-Update |
| UA8-2LC_8-2OL | Upgrade ATR833 2-knob LCD to 2-knob OLED + SW-Update |
| UAR-2OL_R-2LC | Upgrade ATR-Remote 2-Knopf OLED to 2-Knopf LCD + SW-Update |
| UAR-2LC_R-2OL | Upgrade ATR-Remote 2-Knopf LCD to 2-Knopf OLED + SW-Update |
| UA8-IILC_8-IOL | Upgrade ATR833-II LCD to ATR833-II OLED + SW-Update |
| UA8-IOL_8-IILC | Upgrade ATR833-II OLED to ATR833-II LCD + SW-Update |
| UT8H-LC_8H-OL | Upgrade TRT800H LCD to OLED + SW-Update (only possible with HW6.0 or higher) |
| UT8H-OL_8H-LC | Upgrade TRT800H OLED to LCD + SW-Update (only possible with HW6.0 or higher) |

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