

**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

Accessories for VHF-Radio**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

PNEAAD32-S	Adapter for wiring harness: AR3201 to ATR833xx
PNEAAD42-S	Adapter for wiring harness: AR4201 to ATR833xx
PNEAAD57-S	Adapter for wiring harness: ATR57 to ATR833xx
PNEAAD60-S	Adapter for wiring harness: ATR500 / ATR600 to ATR833xx
PNEAAD70-S	Adapter for wiring harness: FSG70/71-FSG2T to ATR833xx
PNEAAD72-S	Adapter for wiring harness: ATR720A/C (and FSG 40) to ATR833xx
PNEAADMA-S	Adapter for wiring harness: MicroAir to ATR833xx
ADAP-BT-SD-E	Bluetooth adapter for SkyDemon, SD-Link, compatible with all ATR833x radios
ADAP-BT-SD-GEN	Bluetooth adapter for SkyDemon, SD-Link, compatible with ATR833S / ATR833-II / ATR833A-II & third-party radios

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

Accessories for portable stations

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
F10314_TNC	Balloon basket antenna with TNC connector incl. 3m cable, colour: black
F10345	Steelband Antenna for portable radio station GS8 & GS8-II, UHF connector
ANTGS-ATR	Antenna for portable radio station GS6 & GS8 (predecessor steelband antenna F10345) - connector TNC
ANTGS-TRT	Antenna for portable transponder station - connector (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
ZDHMGS6	Dynamic hand microphone GS6/GS8 - incl. connection plug 5pol.
F10393-GS	KFZ-Kabel 12V mit 3-poligem Stecker für das GS7-II/8-II Traggestell

**Partnumber** **Description****Mode S Transponder**

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

Accessories for Transponder**Transponder antenna**

AV-22	Transponder antenna stick (6cm) (TSO) - connector BNC/SS
AV-74	Transponder antenna "Shark Fin" (incl TSO) - connector BNC
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

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

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

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

ZTM250	TM250, 57mm housing, incl. GPS Antenna (ANT250-BNC), USB cable (TM-USB1)
ZTM350	TM350, 35x65x115mm housing with mounting plate, incl. FLARM® Beacon functionality
LIC350F	FLARM® Licence Key for TM350

TM350 accessories

PNETAN35	ADS-B- / 1090MHz antenna internal with rp-SMA plug
PNETAN80	FLARM® antenna internal with SMA plug
PNETAA80	FLARM® antenna external (alternatively to PNETAN80) with SMA plug
ANT350-SMC	GPS antenna for TM350 - connector SMC
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 (only needed when using external antennas)
TMKABEL2	Transponder antenna cable - 2,5m - connector rpSMA/BNC (only needed when using external antennas)
TMKABEL3	Transponder antenna cable - 4,0m - connector rpSMA/BNC (only needed when using external antennas)
LD2000A	Yellow Warning LEDs (optional)

Essential accessories for TM350:

- 1x ADS-B-antenna - e.g. PNETAN35 (int.), AV-22 (ext.), AV-74 (ext.) - the antenna cable TMKABEL1/2/3 must be ordered separately for ext. antennas
- 1x TM350-antenna - PNETAN80 (int.) or PNETAA80 (ext.) - the antenna cable TMKABEL1/2/3 must be ordered separately for ext. Antennas
- 1x GPS-antenna - ANT350-SMC
- 1x Connecting cable - BSKS350F

TM250 accessories

ANT250-BNC	GPS antenna for TM250 - connector BNC
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

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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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 ATR833 / ATR833A (from Mod 3, 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-IIOL	Upgrade ATR833-II LCD to ATR833-II OLED + SW-Update
UA8-IIOL_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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