

Günter Köllner Embedded Development GmbH

Product and Applications Catalogue



Radarcape

- 66006** Radarcape
The Radarcape is a passive ADS-B receiver with built-in Linux computer which can be used to observe aircraft (radarspotting) inside the reception range.
It contains a Linux computer (BeagleBone board, ARM CPU) with a network interface.



- 66066** BUNDLE: Radarcape + „A3 ADS-B“ Antenna (1090 MHz) + 10 m Antenna Cable
66077 BUNDLE: Radarcape + „Active Diapason“ Antenna (1090 MHz)+ 20 m Antenna Cable

Mode-S Beast

- 41000** Mode-S Beast Kit
The Mode-S Beast is a top performance ADS-B, Mode-S and Mode-A/C receiver and decoder, with outstanding performance.
The Mode-S Beast enables you to receive the positions of aircraft up to 450 km (225 nm) distance. Additionally, you just need an antenna and a PC with a free software for the visualization.
The USB connector is used for the data transfer to the PC and for power supply.



- 41080** Mode-S Beast Case
41099 Mode-S Beast Assembly Service

ADS-B USB-Dongles

- 53199** ADS-B USB Dongle (R820T) without Indoor Antenna
RTL2832/R820T dongles have a very high sensitivity and great range.
This dongle can be used together with Planeplotter and RTL1090 for the reception of Mode-S/ModeAC and ADS-B.



- 53200** ADS-B USB Dongle (R820T) incl. Small Indoor Antenna

- 53505** SDR-Dongle (R820T) with TCXO +/- 0.5 ppm
The internal 28.8 MHz crystal was replaced by a 28.8 MHz temperature compensated oscillator (TCXO). By this means the drift/tolerance of the dongle's base frequency is reduced to max. 0.5 ppm (2 kHz @ 1 GHz, 200 Hz @ 100 MHz). Dongles that are used in narrow band SDR applications will benefit from this increased stability as the tuning frequency accuracy and stability will be increased dramatically.



- 67125** BUNDLE: ADS-B USB Dongle + „SCO-1090-MCX“ Antenna (1090 MHz)
68240 BUNDLE: „Active Diapason“ Antenna (1090 MHz)+ ADS-B USB Dongle + 20 m Antenna Cable

Antennas & Accessories

- 67020** „A3 ADS-B“ Antenna (1090 MHz)
Standard high gain outdoor antenna for all of our receivers
- 67120** „SCO-1090-MCX“ Antenna (1090 MHz), 3 m Cable, MCX Plug for ADS-B USB Dongle
Antenna especially for the direct connection to our Diamond Crown ADS-B Dongle
- 67235** Small Indoor Antenna (1090 MHz) for ADS-B Dongle
- 67560** Small Indoor Antenna (1090 MHz) with SMA Plug for Radarcape and Mode-S Beast
- 67901** Self sealing tape
- 68140** BUNDLE: „Active Diapason“ Antenna (1090 MHz)+ 20 m Antenna Cable
- 68200** „Active Diapason“ Antenna (1090 MHz)
Active antenna for 1090 MHz with integrated low noise amplifier
- 69140** BUNDLE: „Active Diapason AA 868“ Antenna for 868 MHz + 20 m Antenna Cable
- 69200** „Active Diapason AA 868“ Antenna for 868 MHz
Active antenna for 868 MHz (Open Glider Net) with integrated low noise amplifier (LNA)
- 71010** 1090 MHz 3 Pol Filter

Cables & Adapters

- 67230** SMA(m)/ MCX(f) Adapter
- 67231** IEC(f)/ MCX(m) Adapter
- 67303** SMA(f)/ MCX(m) pigtail cable extension 15 cm
- 70120** Antenna cable for „Active Diapason“ Antenna, length 20 m
- 70405** Antenna Cable for „A3 ADS-B“ Antenna, length 5 m
- 70410** Antenna Cable for „A3 ADS-B“ Antenna, length 10 m
- 70505** GPS Extension Cable, length 5 m
- 70510** GPS Extension Cable, length 10 m

miniADSB & SDR Kits

- 46000** „SDR-RX“ Kit
Kit from piece parts
- 46085** BUNDLE: „SDR-RX“ Kit + SDR-Dongle (TCXO 0.5 ppm)
- 54000** picADSB9 Kit
Decoder kit for ADS-B packets
- 55002** SAW Filter TA1090EC
- 55003** SAW Filter TA0232A
- 99009** Genuine „miniADSB“ kit
A complete kit of the genuine miniADSB 1090 MHz RF frontend, incl. PCB

Distribution

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