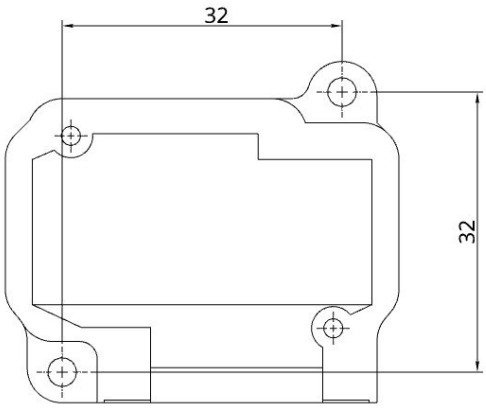
Generic Adapter BLE Bluetooth DS (Dual Source)

SkyDemon (SD) EXPERIMENTAL



Bluetooth Low Energy adapter (BLE) developed for the SkyDemon (SD) navigation software.

It enables data transfer between the navigation software (SD) and avionics hardware (BLE <-> RS-232) and also works alongside an already existing RS-232 data source, e.g., an EFIS (Dynon, Garmin G3X, etc.) for radio frequency tuning.

Set the frequencies of your VHF transceiver, control your autopilot, feed your AV-30 – all directly from the SkyDemon app using this Bluetooth adapter.

This adapter only contains the basics you need to connect SkyDemon navigation software to your avionics. Screw it somewhere behind the panel, connect the power, and distribute the signals to your devices. Yes, that sounds like tinkering… but that's what you wanted ;-)

The adapter can be operated with 12 V and 24 V board voltage. A self-resetting mini-fuse is integrated into the housing. The power supply is protected against reverse polarity and short circuits.

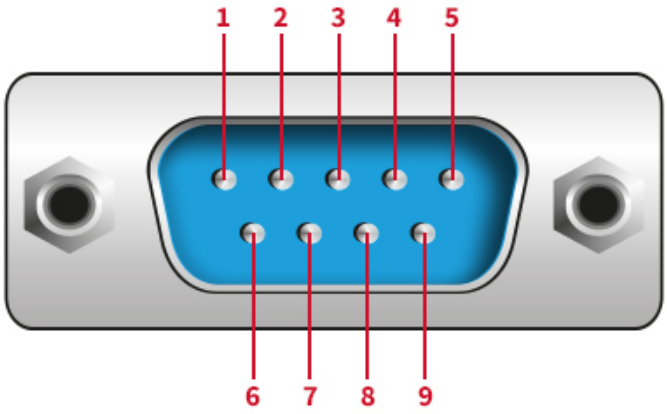
⚠ Please note: This is a prototype for experimental use only !!!

1. Radio Configuration

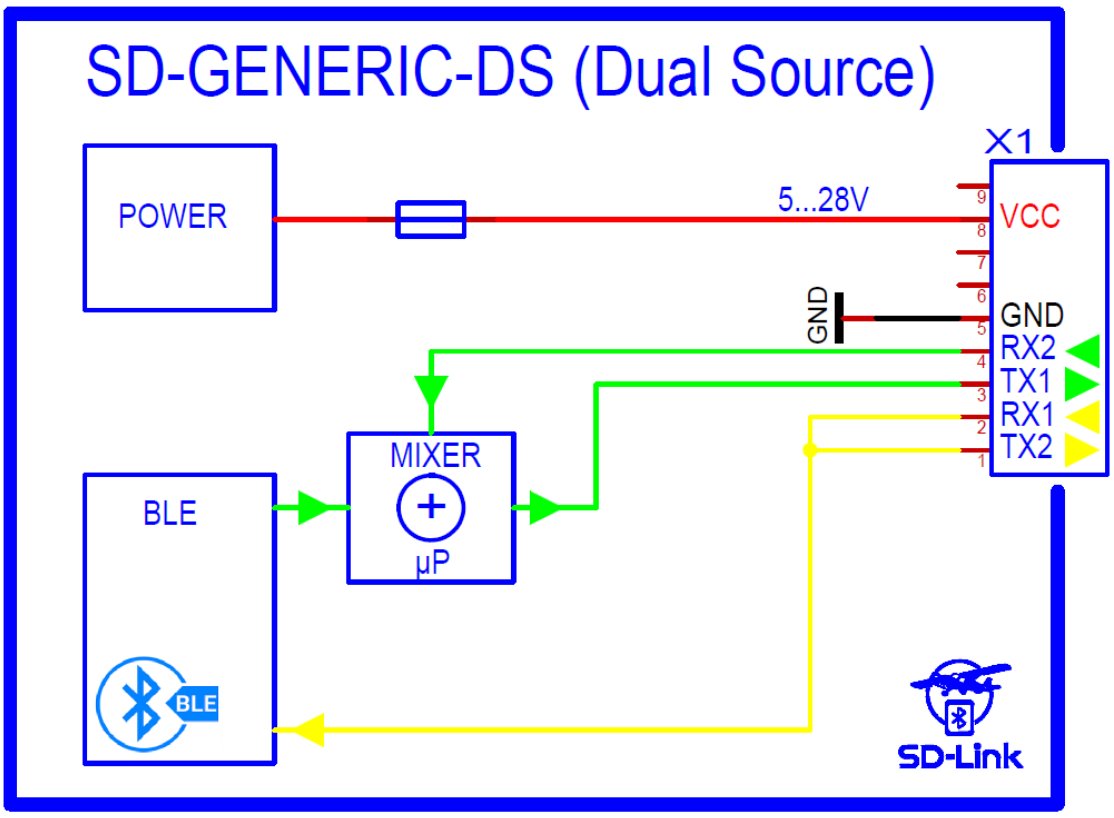
Must be carried out according to the specific device.

TRIG TY91/92/96, f.u.n.k.e ATR833, TQ KRT2, GARMIN GTR225 / GNC225 require no additional radio configuration.

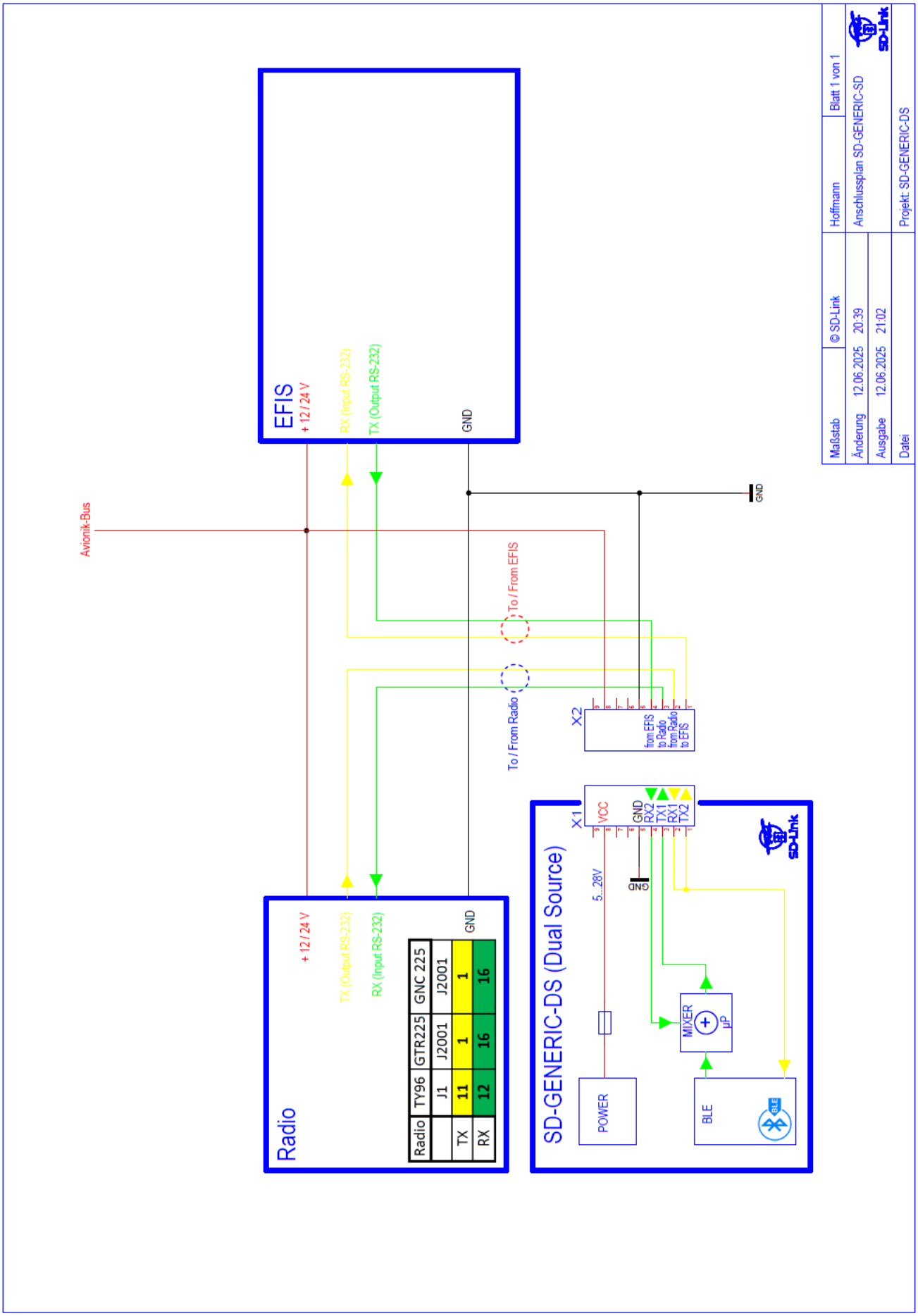
2. Connector Pinout



Pin 1: **Data TXD (Output 2 – V24 data to EFIS)**
Pin 2: **Data RXD (Input 1 – V24 data from radio)**
Pin 3: **Data TXD (Output 1 – V24 data to radio)**
Pin 4: **Data RXD (Input 2 – V24 data from EFIS)**
Pin 5: **GND**
Pin 8: **Power (+ 5 … 28 V)**



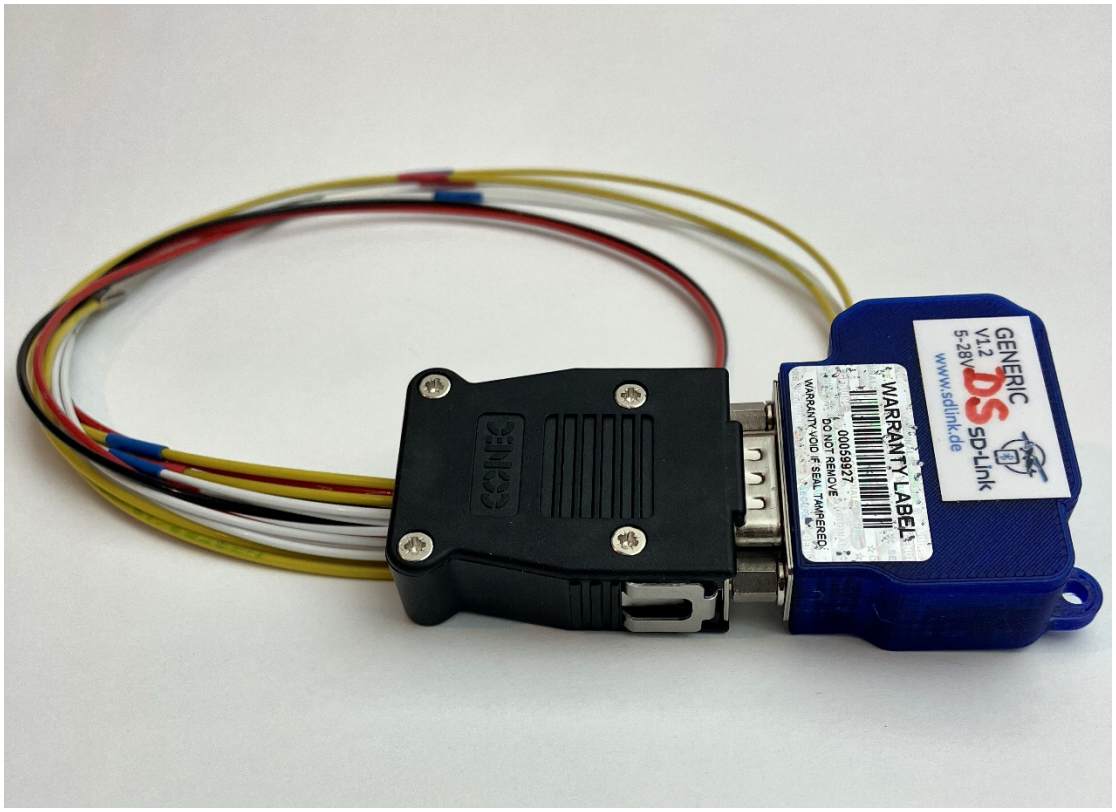
3. Anschlussplan

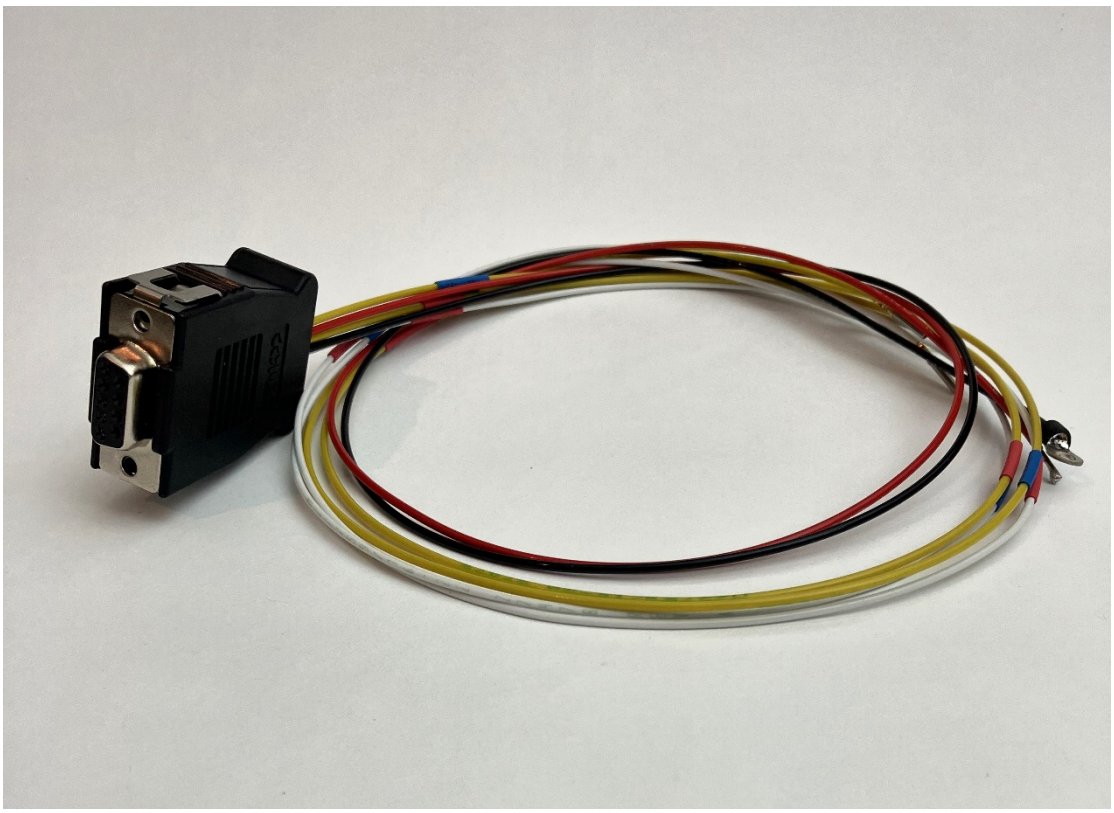


4. Cable Set

A pre-assembled cable set (SD-GENERIC-CAB-02) is available for connection.

The connection is made using a Conec Snap-Lock adapter and prepared MIL M39029/63-368 crimp contacts. Ideally, these can simply be clicked into the existing Sub-D connector.





5. Contact

For problems, questions, suggestions, or positive feedback, please contact:

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