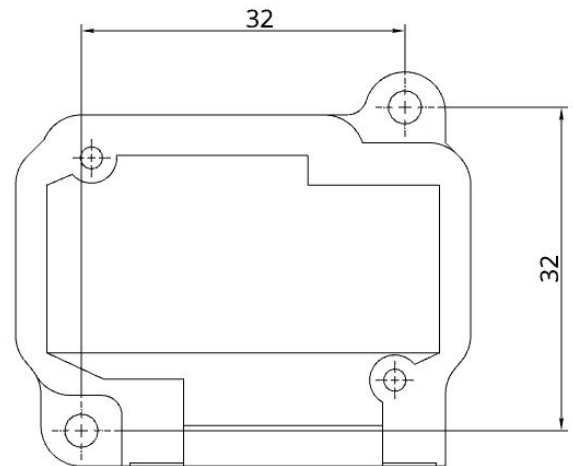


Generic Adapter BLE Bluetooth DS (Dual Source)

SkyDemon (SD) EXPERIMENTAL



Bluetooth Low Energy Adapter (BLE) developed for the navigation software Skydemon (SD).

It implements the data transfer between the navigation software (SD) and the avionics hardware (BLE ↔ RS-232) and also works with an existing RS-232 data source, e.g. an EFIS (Dynon, Garmin G3X, etc.) for radio frequency setting.

Set the frequencies of your VHF transceiver, control your autopilot, feed your AV-30 with this Bluetooth adapter directly from the SkyDemon App.

This adapter has only the basics you need to connect the SkyDemon navigation software to your avionics. Mount it somewhere behind the panel, connect power and distribute the signals to the devices. Yes, this sounds like tinkering... but you want it that way ;-)

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

IMPORTANT

This is a prototype for experimental use only!

IMPORTANT**Do not pair the SD-Link in the Bluetooth settings**

The SD-Link adapter is a Bluetooth Low Energy (BLE) device. BLE devices are not paired via the Bluetooth settings of your tablet or phone like regular Bluetooth devices such as headsets or speakers.

Therefore, please do not open the Bluetooth settings of iOS, Android or Windows to search for or pair the SD-Link there.

The connection to the SD-Link is set up exclusively within the navigation app itself, e.g. in SkyDemon, Sky-Map, VFRnav, EasyVFR or another supported app. Pairing at operating-system level is not required and can even prevent the connection.

Regular Bluetooth devices such as headsets, intercoms or speakers can still be used in parallel. They are paired via the operating system as usual. The SD-Link, however, is addressed directly by the navigation app.

If the SD-Link has already been paired in the Bluetooth settings: Please remove the SD-Link completely from the Bluetooth device list of your tablet or phone. Do not pair it again via the operating system afterwards; instead, set it up again exclusively within the navigation app.

REMEMBER

Do not pair the SD-Link in the operating system.
Always set up the SD-Link directly in the navigation app.

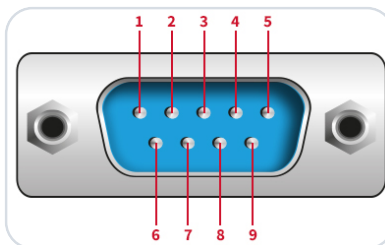
1 Radio Configuration

Must be performed according to the respective device. TRIG TY91/92/96, f.u.n.k.e ATR833, TQ KRT2, GARMIN GTR225 / GNC225 do not require any further settings on the radio.

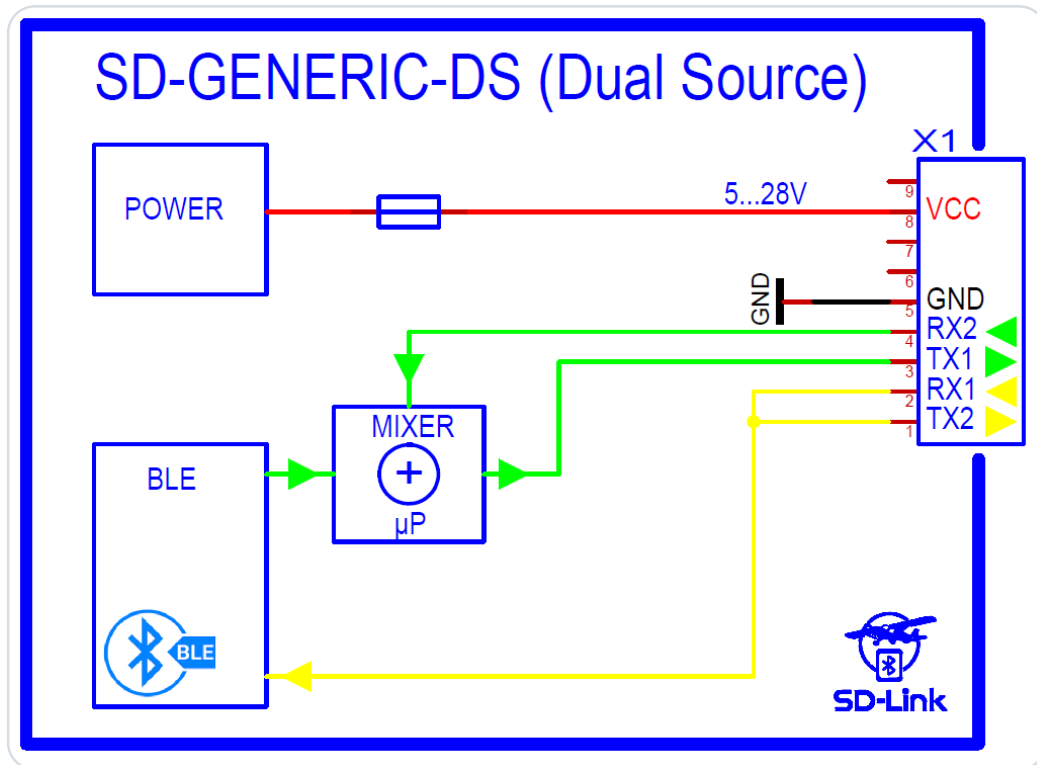
2 Connector Pin Assignment

IMPORTANT NOTICE**A common ground is mandatory**

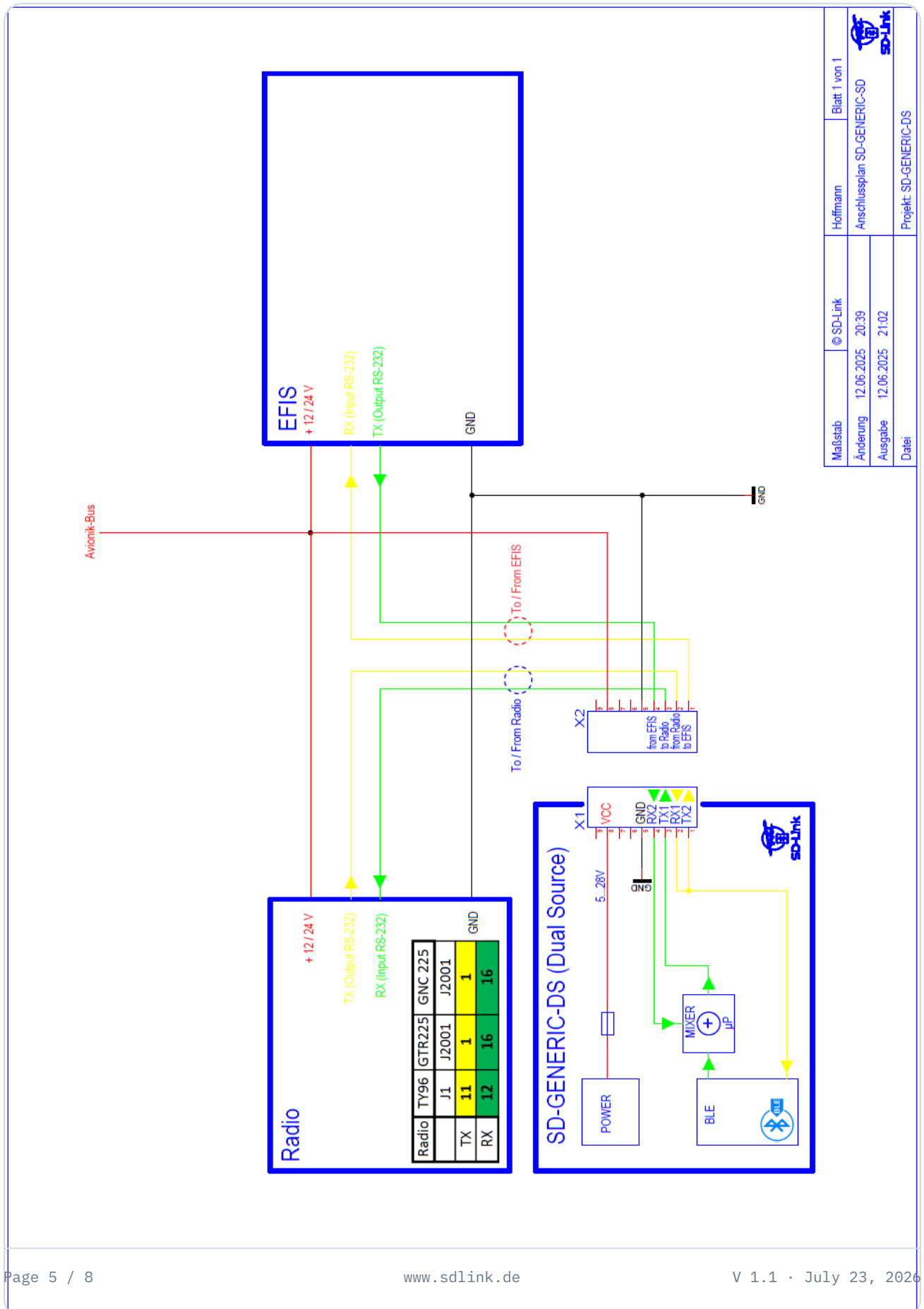
The radio and the SD-Link need a common ground (GND). If the ground wire between radio and adapter is missing, no data – or only sporadic data – will flow; a missing ground wire is one of the most common mistakes in RS-232 installations. Therefore always connect GND in addition to the data lines.



Pin	Function	Description
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 Wiring Diagram

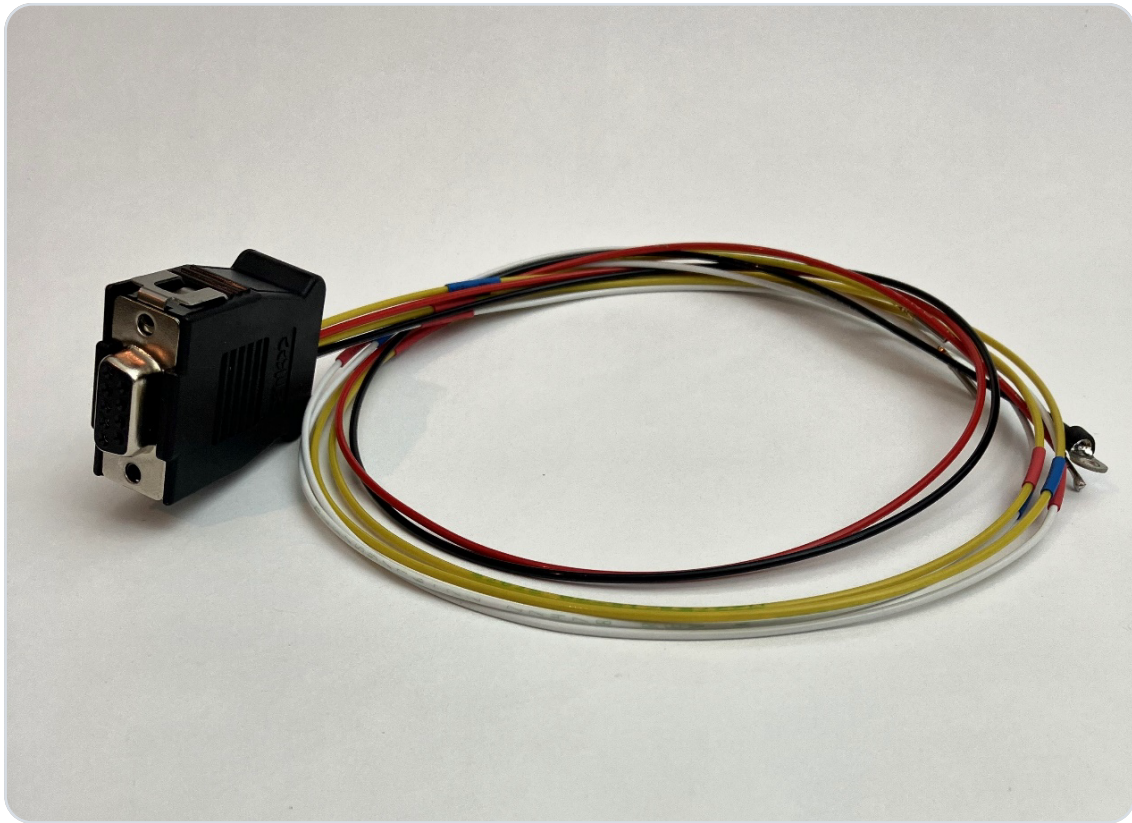


4 Cable Harness

A pre-configured cable harness is available for connection (**SD-GENERIC-CAB-02**).

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





5 Contact

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

LayCom Vision GmbH – SD-Link

Michael Hoffmann

Chausseestr. 46
D-15518 Rauen, Germany

E-Mail info@sdlink.de

Phone **+49 3361 710253**

Web www.sdlink.de



Dimensions

