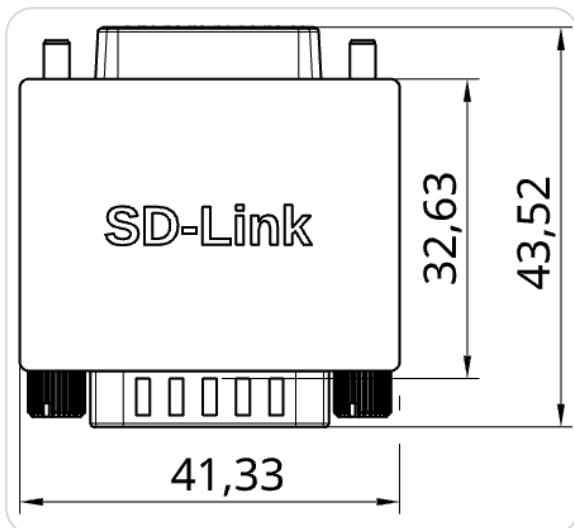


Dynon SV-COM – BLE Bluetooth Adapter

SkyDemon (SD) EXPERIMENTAL



The Bluetooth Low Energy (BLE) adapter for a DYNON SV-COM VHF transceiver (aviation radio) is compatible with the following devices: **SV-COM-425**, **SV-COM-760**, **SV-COM-T83**, **SV-COM-T25**, **SV-COM-X25** and **SV-COM-X83**, provided an **SV-COM-PANEL** is used for control.

The adapter was developed as an interface between an SV-COM-PANEL and the SkyDemon (SD) navigation software. It injects the frequency-setting commands from the navigation software into the communication between the radio and the SV-COM-PANEL. The adapter is simply plugged in between the existing wiring to the SV-COM-PANEL.

No additional power supply is required. The adapter operates with both 12 V and 24 V aircraft power.

No further electrical or mechanical work required!

NOTE

The adapter uses the **Garmin GTR225** protocol and is therefore compatible with all navigation apps that support the GTR225 – including **SkyDemon**, **Sky-Map**, **VFRNav** and **easyVFR**.

IMPORTANT

This is a prototype intended exclusively for experimental use!

1 LED Status Indicator

The adapter has a multi-colour status LED:

Red flashing	Ready for operation, but not connected to an app.
Solid red	Ready for operation and connected to an app via BLE.
Short blue flash (approx. 2 s)	Frequency-set command received from the app and applied successfully.

2 Radio Configuration

No additional configuration is required on the radio.

3 Connector Pinout

The following is an excerpt from the Dynon installation manual:

SV-COM-PANEL – D15M Pinout

Pin	Function	Notes
1	POWER IN	10-30V DC @ 5A
2	GROUND IN	Connect to Ground Bus
3	Ground Out	Optional - For Grounding Pin 7 (Flip/Flop Switch). Switch may also be grounded locally.
4	Panel RX / Transceiver TX	Connect to Transceiver Module Pin 6
5	Panel TX / Transceiver RX	Connect to Transceiver Module Pin 5
6	Enable	Connect to Transceiver Module Pin 13
7	External Flip/Flop (optional)	Push Button Normally Open to Ground (Pin 3 or local ground)
8	No Connection	(Pin not used)
9	No Connection	(Pin not used)
10	No Connection	(Pin not used)
11	No Connection	(Pin not used)
12	No Connection	(Pin not used)
13	No Connection	(Pin not used)
14	No Connection	(Pin not used)
15	No Connection	(Pin not used)

Table 95 – SV-COM-PANEL D15M Pinout

Figure 1 · SV-COM-PANEL – D15M Pinout

4 Configuration in SkyDemon

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.

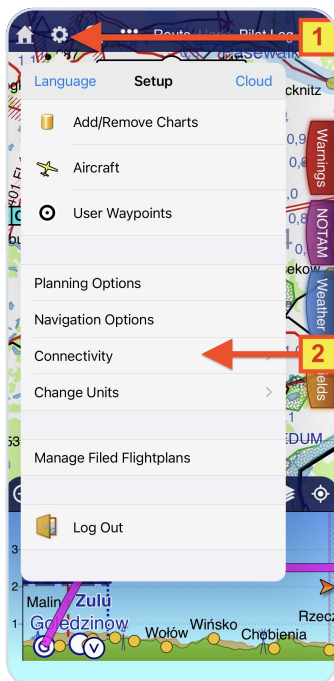
If the SD-Link has already been paired in the Bluetooth settings: Please remove the SD-Link completely from the Bluetooth device list of your tablet or phone. Do not pair it again via the operating system afterwards; instead, set it up again exclusively within the navigation app.

REMEMBER

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

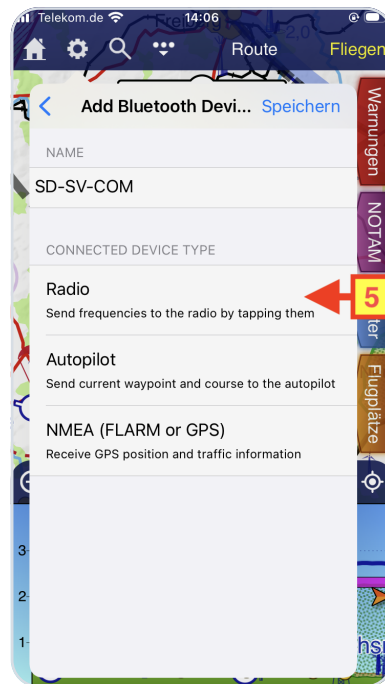
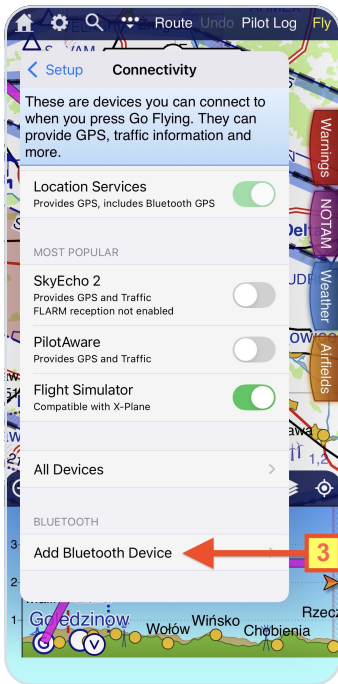
IMPORTANT

The SD-SV-COM-E is configured in SkyDemon as a **GTR225**-compatible radio.



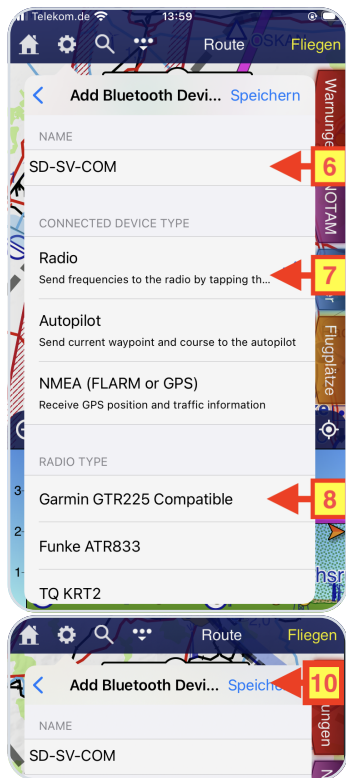
- ① Open the configuration menu via the gear icon.
- ② Select **Connectivity** in the configuration.

③ In Connectivity → select Add Bluetooth Device.



④ Wait until the search for BLE devices is complete (this may take a moment). Then select the entry **SD-SV-COM-E**.

⑤ Select the device type **Radio**.



- ⑥ The adapter name can be customized as desired.
- ⑦ The device type **Radio** must be selected.
- ⑧ Select **Garmin GTR225** as the radio type. The SD-SV-COM-E is GTR225-compatible.
- ⑨ Select whether the standby or active frequency should be set.
- ⑩ **Save the settings with Save** – the adapter is now ready to use.

5 Contact

If you encounter any problems, have questions or suggestions, or would like to share positive feedback, please contact:

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