

INSTALLATION MANUAL

Dynon SV-COM – BLE Bluetooth Adapter

SkyDemon (SD) · **EXPERIMENTAL**

Bluetooth Low Energy adapter (BLE) that handles the data transfer between the navigation software and a Dynon SV-COM VHF transceiver (aviation radio) (). The adapter simply connects to the radio – **no further electrical work required.**



SPECIFICATIONS

RADIO	Dynon SV-COM
COMPATIBILITY	SV-COM-425 · -760 · -T83 · -T25 · -X25 · -X83
OPERATING SYSTEM	Android · iOS
POWER SUPPLY	via the radio · 12/24 V
REQUIREMENT	SV-COM-PANEL
WEIGHT	50 g
DIMENSIONS	41,33 × 43,52 × 16,5 mm

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.

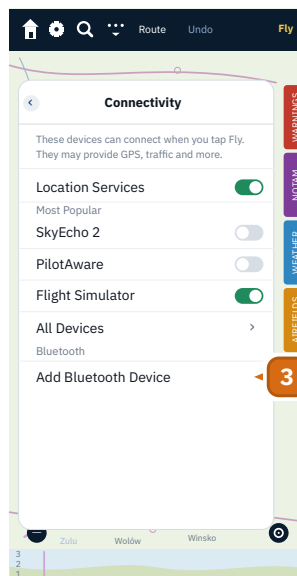
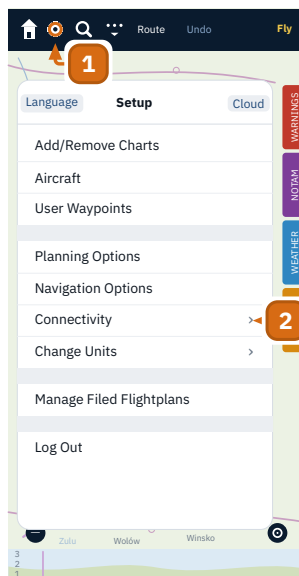
Regular Bluetooth devices such as headsets, intercoms or speakers can still be used in parallel. They are paired via the operating system as usual. The SD-Link, however, is addressed directly by the navigation app.

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.

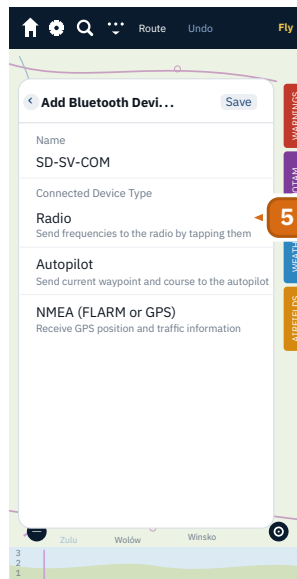
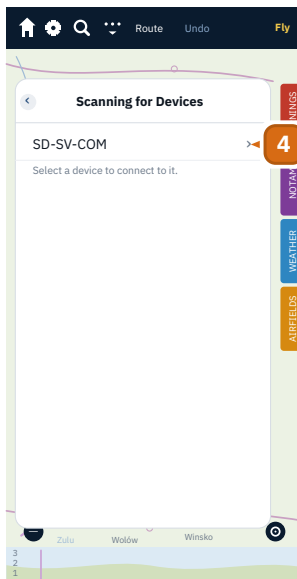
REMEMBER

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

The figures below are schematic redrawings of the SkyDemon interface (iOS), not original screenshots. Orange numbered markers indicate the step to tap; a blue check marks an already-selected setting.

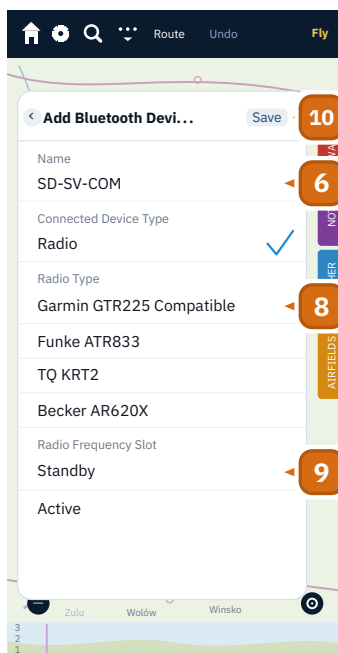


- ① Open the **Setup** menu via the gear icon.
- ② Choose **Connectivity**.
- ③ Under **Bluetooth** choose **Add Bluetooth Device**.



④ Wait until the search has finished (this can take a moment), then select the entry **SD-SV-COM**.

⑤ As **Connected Device Type** choose **Radio**.



⑥ The **Name** shown can be changed if you wish.

⑦ The **Connected Device Type** is already set to **Radio** (blue check).

⑧ As **Radio Type** choose the radio type **Garmin GTR225 Compatible**. The SD-SV-COM-E is GTR225-compatible.

⑨ Under **Radio Frequency Slot** choose whether the **Standby** or the **Active** frequency is set.

⑩ **Save the settings with Save** — the adapter is now ready to use.

NOTE

Set **Active/Standby** determines which radio frequency tapped values are sent to. The **Radio Type Garmin GTR225 Compatible** is fixed for the SD-SV-COM-E.

5 Contact

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

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Dimensions

