

INSTALLATION MANUAL

TQ KRT2 – angled Adapter BLE Bluetooth

SkyDemon (SD) · **EXPERIMENTAL**

Bluetooth Low Energy adapter (BLE) that handles the data transfer between the navigation software and a TQ KRT2 VHF transceiver (aviation radio) (BLE ↔ RS-232). The adapter simply connects to the radio – **no further electrical work required**.



SPECIFICATIONS

RADIO	TQ KRT2
COMPATIBILITY	KRT2-S · KRT2-F · KRT2-P
OPERATING SYSTEM	Android · iOS
INTERFACE	BLE ↔ RS-232
POWER SUPPLY	via the radio · 12/24 V
INTEGRATED FUSE	yes · not self-resetting
WEIGHT	50 g
DIMENSIONS	46,44 × 23,94 × 16,5 mm

IMPORTANT

This is a prototype for experimental use only!

1 Radio Configuration

IMPORTANT NOTICE

Baud rate: 9600, not 115200

The TQ documentation states a baud rate of 115200 – correct for operation with the SD-Link is 9600 baud, 8N1.

No additional configuration is required on the radio unit.

2 Connector Pin Assignment

This is an excerpt from the TQ installation manual:

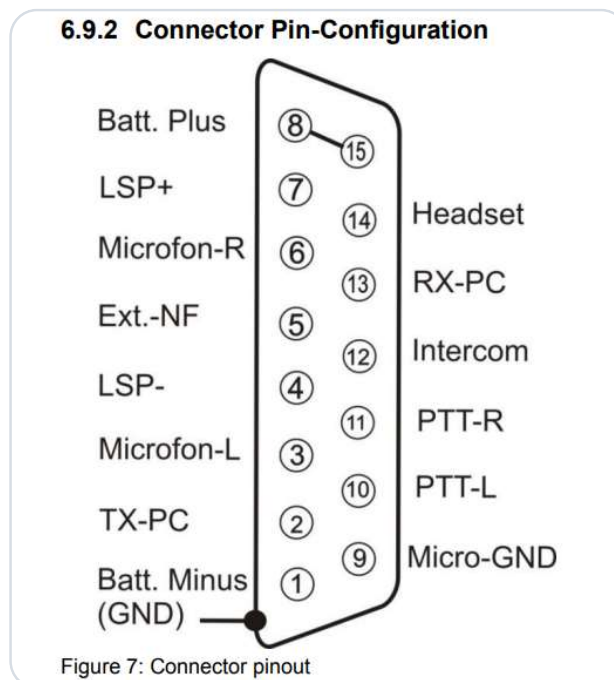


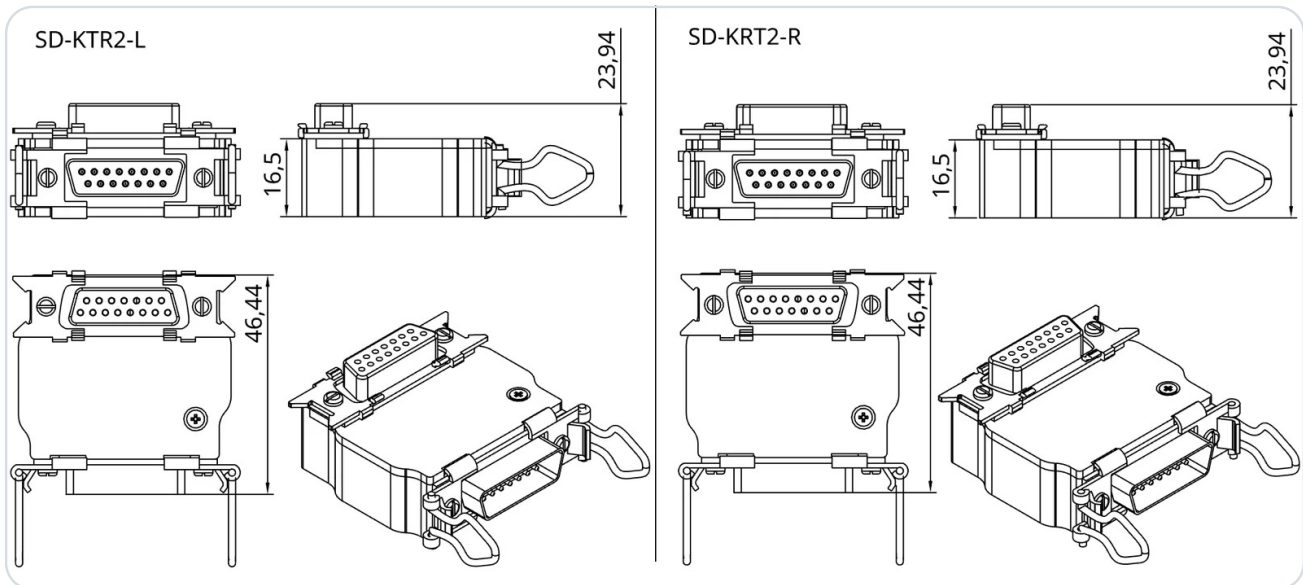
Figure 1 · KRT2 Connector Pinout

3 Product Variants

The mechanical orientation of the connector differs between the KRT2-S and KRT2-F. This changes the direction in which the adapter is angled. Therefore, please pay attention to the respective radio unit when selecting the product variant (LEFT/RIGHT).



For this reason, there are the product variants **SD-KRT2-A-LEFT** and **SD-KRT2-A-RIGHT**.



3.1 Orientation of LEFT/RIGHT per Radio Unit

Device	Desired Orientation	Required Adapter
KRT2-F	Points upward	SD-KRT2-A-LEFT
KRT2-F	Points downward	SD-KRT2-A-RIGHT
KRT2-S	Points downward	SD-KRT2-A-LEFT
KRT2-S	Points upward	SD-KRT2-A-RIGHT

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.

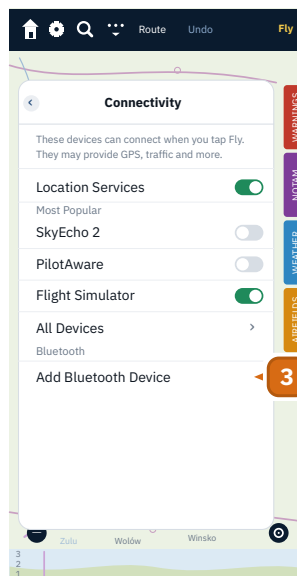
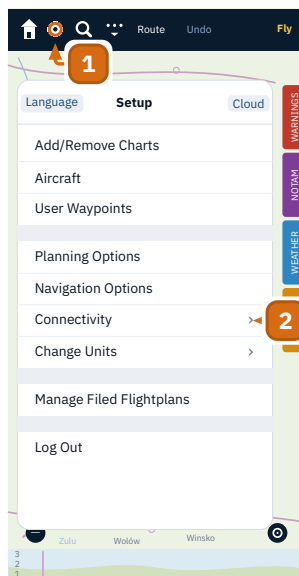
Regular Bluetooth devices such as headsets, intercoms or speakers can still be used in parallel. They are paired via the operating system as usual. The SD-Link, however, is addressed directly by the navigation app.

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.

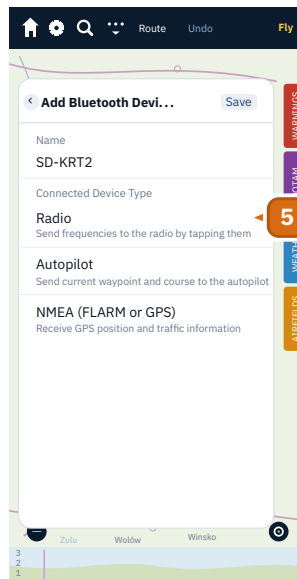
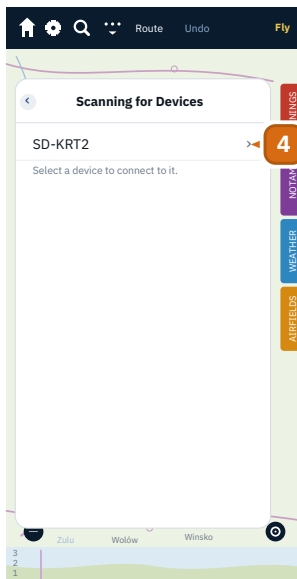
REMEMBER

**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.

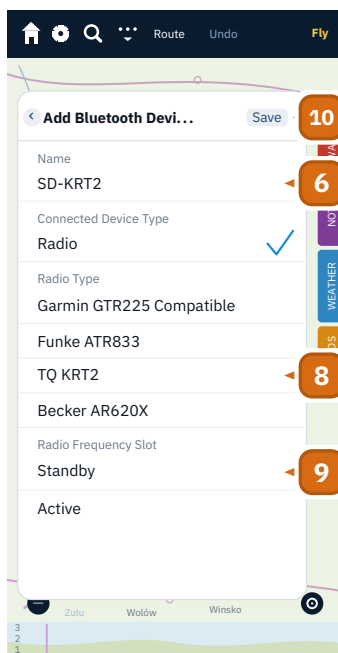


- ① Open the **Setup** menu via the gear icon.
- ② Choose **Connectivity**.
- ③ Under **Bluetooth** choose **Add Bluetooth Device**.



④ Wait until the search has finished (this can take a moment), then select the entry **SD-KRT2**.

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 **TQ KRT2**.

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 TQ KRT2** is fixed for the SD-KRT2-A.

5 Contact

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

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