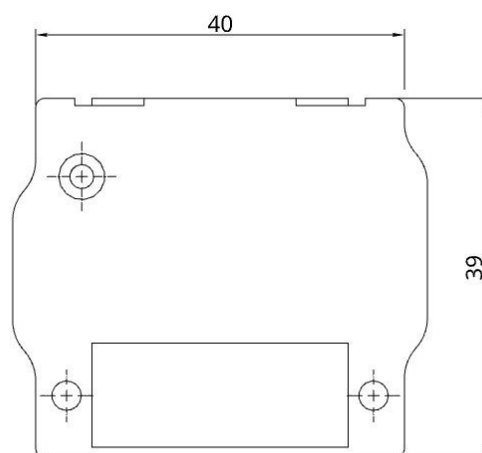# TQ KRT2 – angled Adapter BLE Bluetooth

SkyDemon (SD) EXPERIMENTAL

Angled version of the Bluetooth Low Energy adapter (BLE) for a TQ KRT2 VHF transceiver (aviation radio), designed for installations with limited space behind the radio unit. The adapter is compatible with the following radio models:

- KRT2-S
- KRT2-F
- KRT2-P

The adapter was developed as an interface between a TQ KRT2 and the navigation software SkyDemon (SD). It realizes the data transfer conversion between the navigation software (SD) and the radio hardware (BLE ↔ RS-232). The adapter is simply plugged between the existing cabling and the radio and holds securely to the housing thanks to the Conec latch system.

No additional power supply is required. The adapter can be operated with 12 V and 24 V onboard voltage. An internal mini-fuse (125 mA) is integrated in the housing.

The power supply is protected against reverse polarity and short-circuit proof. **No further electrical or mechanical work required!**

> **Important:** This is a prototype for experimental use only!

1   Radio Configuration

No additional configuration is required on the radio unit.

2   Connector Pin Assignment

This is an excerpt from the TQ installation manual:
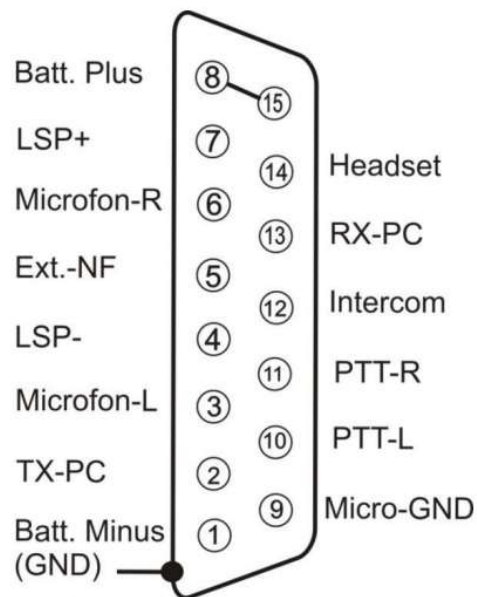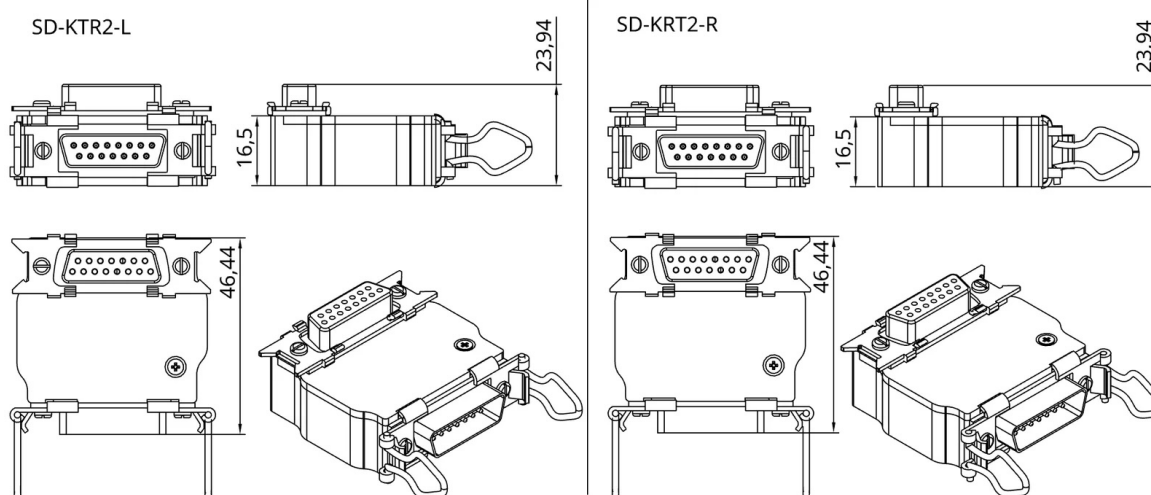

Figure 1: KRT2 Connector Pinout

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).

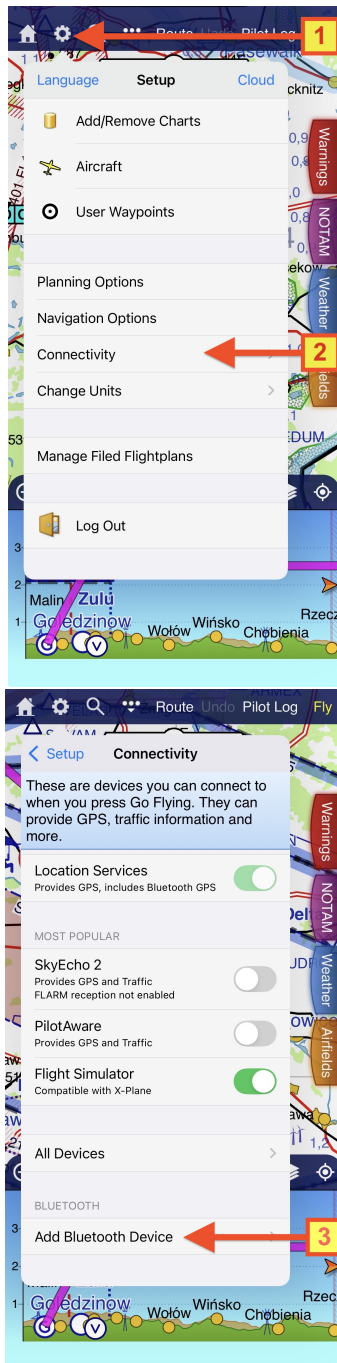For this reason, there are the product variants **SD**-**KRT2**-**A**-**LEFT** and **SD**-**KRT2**-**A**-**RIGHT**.

3.1 Orientation of LEFT/RIGHT per Radio Unit

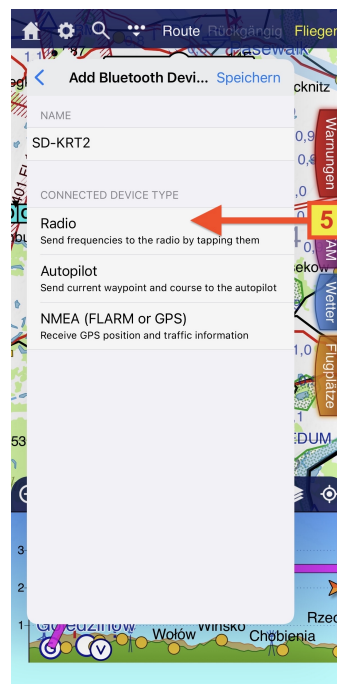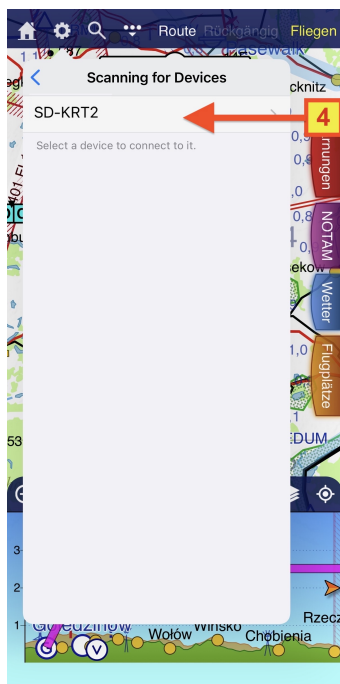| Device	Desired Orientation	Required Adapter
KRT2-F	Points upward	SD-KRT2-A-LEFT
KRT2-F	Points downward	SD-KRT2-A-RIGHT
KRT2-S	Points downward	SD-KRT2-A-LEFT
KRT2-S	Points upward	SD-KRT2-A-RIGHT

4 SkyDemon Configuration

> **Important:** The adapter is not connected via regular Bluetooth settings. BLE devices are usually not displayed there.
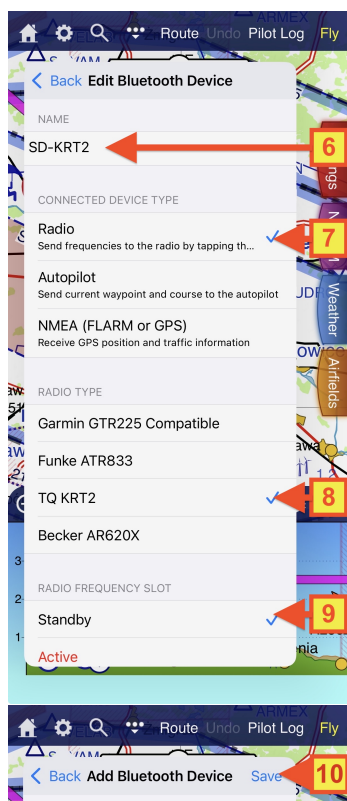

1. Open the configuration menu via the gear icon.

2. Select *Connections* in the configuration.

3. In *Connections -> * select *Add Bluetooth Device*.

4. Wait until the search for BLE devices is complete (this may take a moment). Then select the entry **SD-KRT2-A**

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 the radio type **TQ KRT2**.

9. Select whether to set the standby or active frequency.

10. **Save the settings with Save** - the adapter is now ready for use.

5   Contact

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

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