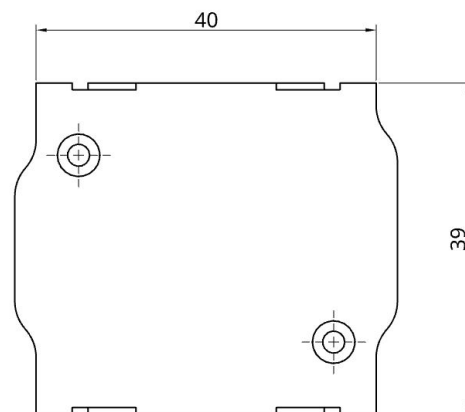# TQ KRT2 DS - BLE Bluetooth Adapter

SkyDemon (SD) EXPERIMENTAL

Bluetooth Low Energy Adapter (BLE) for a TQ KRT2 VHF transceiver (aviation radio). The adapter is compatible with radios of the following type series:

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

The adapter was developed as an interface for the TQ KRT2 for compatible navigation apps (e.g., SkyDemon) and works together with an EFIS. It enables data transfer between the navigation app and the radio hardware (BLE ↔ RS-232). The adapter is simply plugged between the existing wiring and the radio and is held securely to the housing thanks to the Conec latch system.

An additional power supply is not 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 necessary!**

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

1 Radio Configuration

No further configuration of the radio is required.

2 Connector Pin Assignment

This is an excerpt from the TQ installation manual:

Important: Pin 13 of the connector serves as data input from the EFIS.
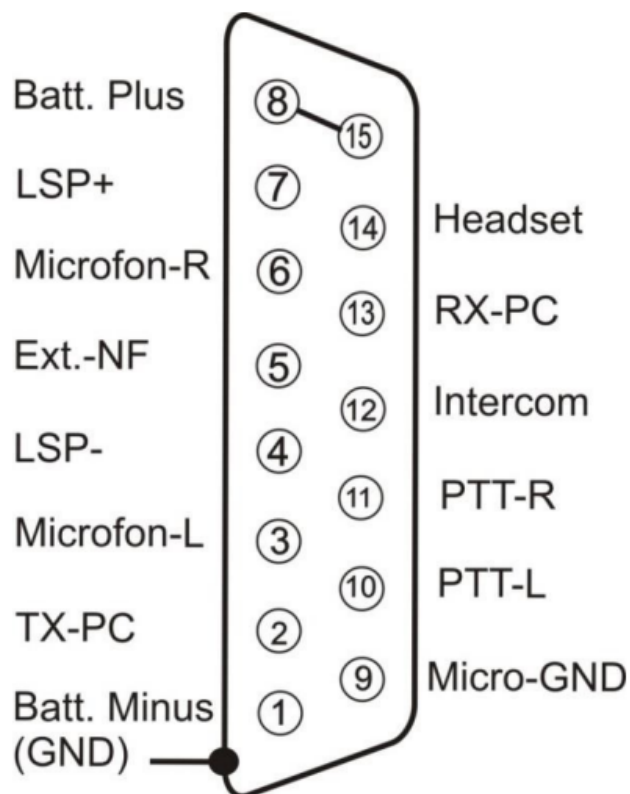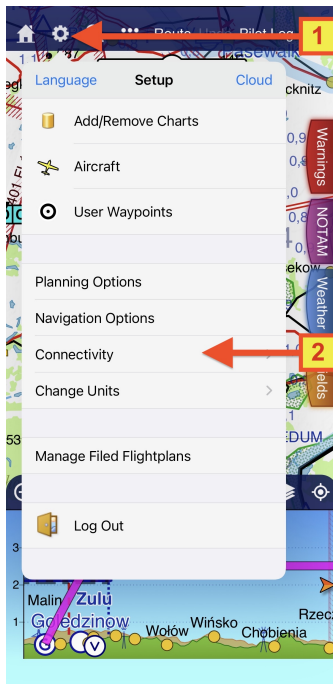
6.9.2 Connector Pin-Configuration

Batt. Plus	⑧
	⑮
LSP+	⑦
	⑭ Headset
Microfon-R	⑥
	⑬ RX-PC
Ext.-NF	⑤
	⑫ Intercom
LSP-	④
	⑪ PTT-R
Microfon-L	③
	⑩ PTT-L
TX-PC	②
	⑨ Micro-GND
Batt. Minus (GND)	①

Figure 7: Connector pinout

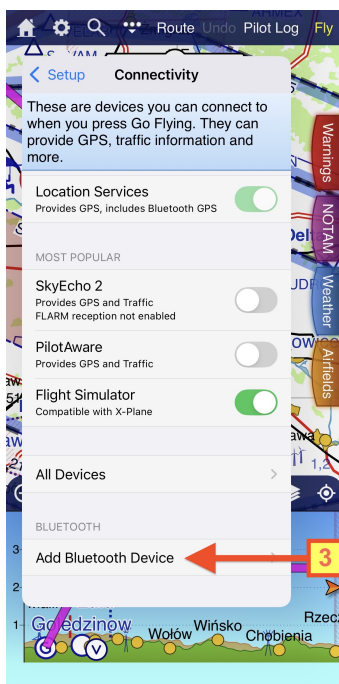Figure 1: KRT2 DS Connector Pin Assignment

3   Configuration in SkyDemon

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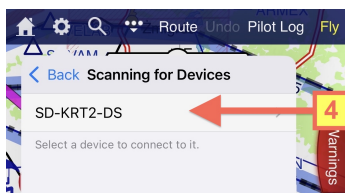

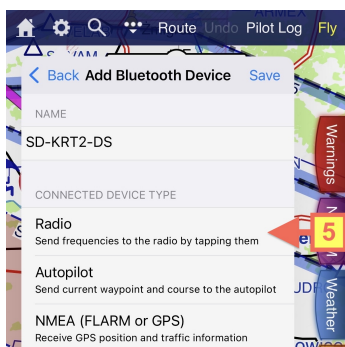**1.** Open the configuration menu via the gear icon.

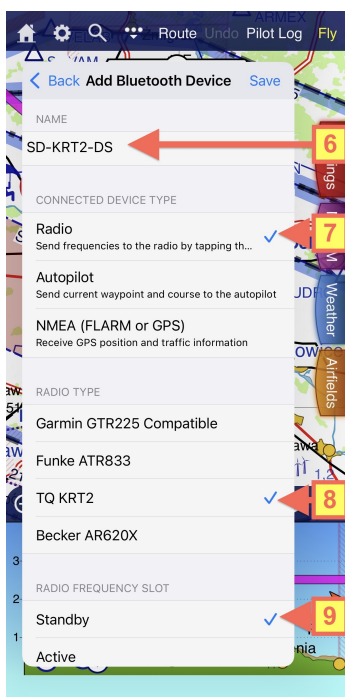**2.** Select *Connectivity* in the configuration.

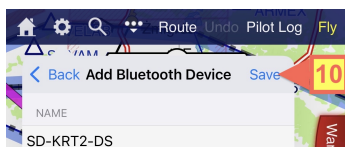**3.** In *Connectivity ->* select *Add Bluetooth Device*.

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

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. Choose whether the standby or active frequency should be set.

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

4 Contact

If you have any questions, problems or feedback, please
feel free to contact us:

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