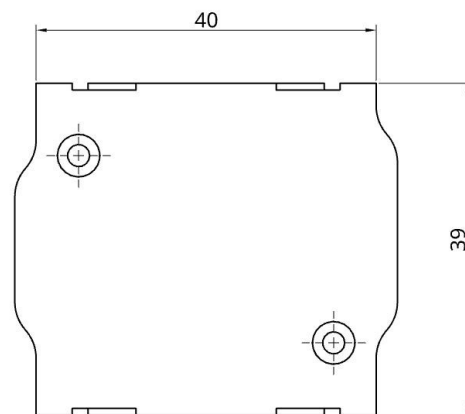


TQ KRT2 Adapter BLE Bluetooth

vfrNav EXPERIMENTAL



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

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

The adapter was developed as an interface for the TQ KRT2 for compatible navigation apps (e.g., vfrNav). 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 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 on-board 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 further configuration is required on the radio.

2 Connector Pin Assignment

This is an excerpt from the TQ installation manual:

6.9.2 Connector Pin-Configuration

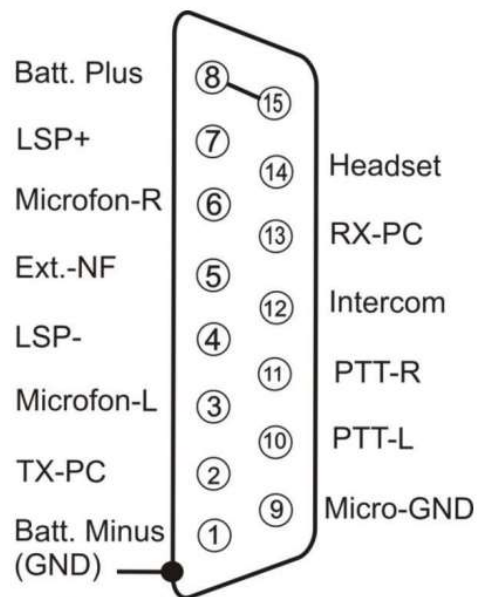


Figure 7: Connector pinout

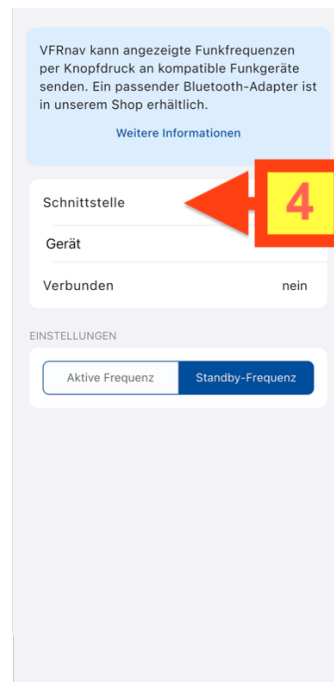
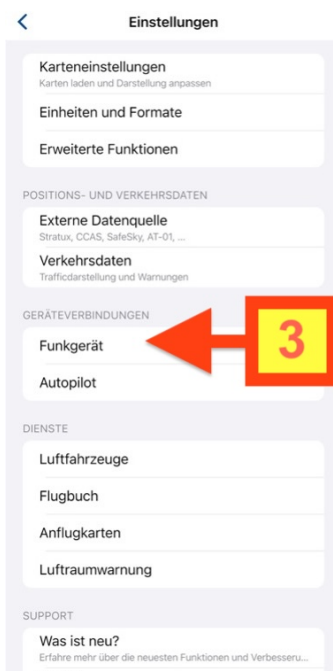
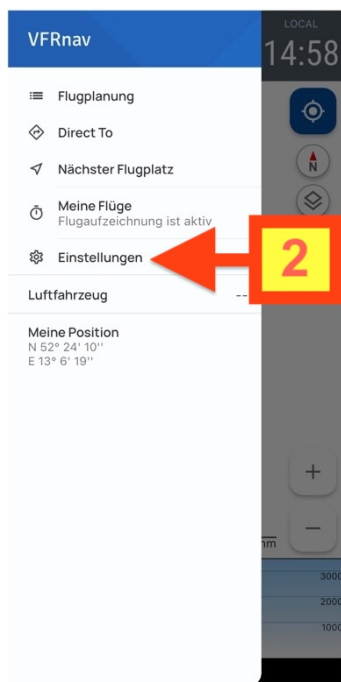
Figure 1: KRT2 Connector Pin Assignment

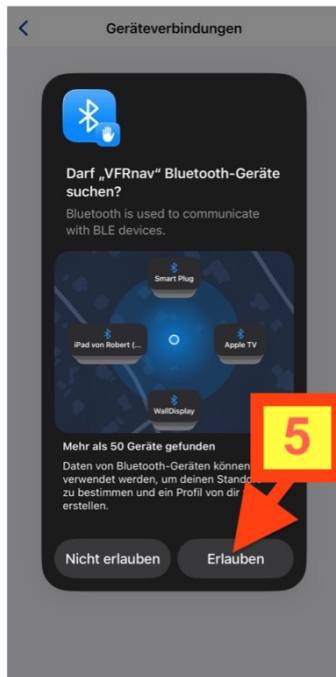
3 Configuration in vfrNav

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



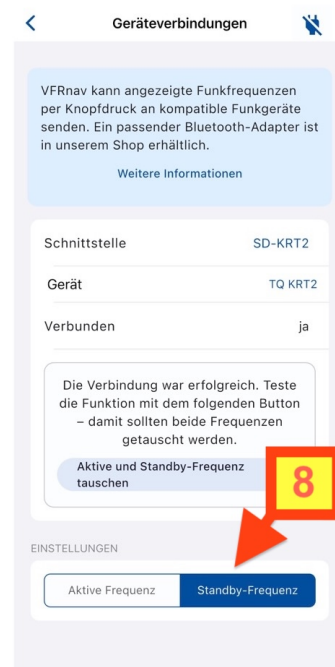
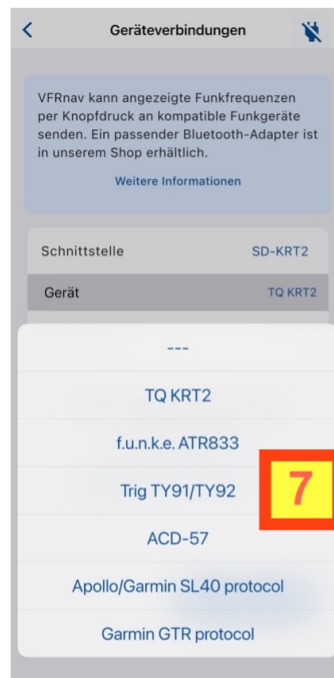
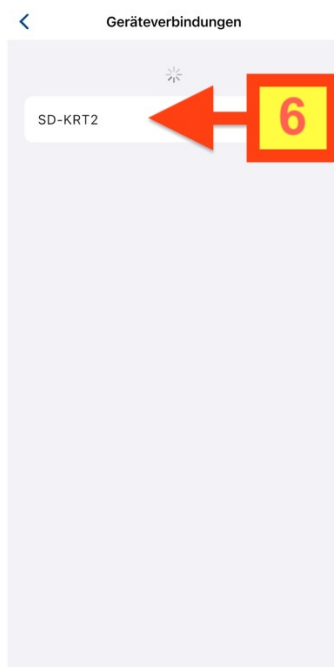
- Switch on aircraft power, turn on the radio.
- Enable Bluetooth on your phone/tablet.
- Start vfrNav.
 1. Open menu
 2. Open settings menu
 3. Under Device connections → Radio
 4. Select interface





5. Enable Bluetooth if necessary
6. Select the name of the found adapter: **SD-KRT2**
7. If the protocol was not automatically detected, please adjust it under „Gerät" anpassen.
8. In the connection settings, specify whether the frequency should be transmitted to the radio immediately as active or as standby.

Important Notice: Check under „Verbunden": It should say „ja" stehen.



4 Contact

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

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