

## INSTALLATION MANUAL

# TQ KRT2 – angled Adapter BLE Bluetooth

Sky-Map · 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:

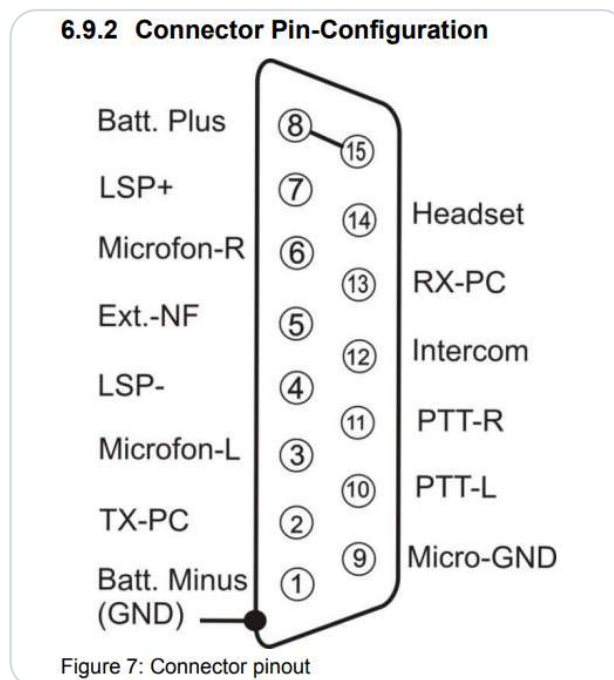


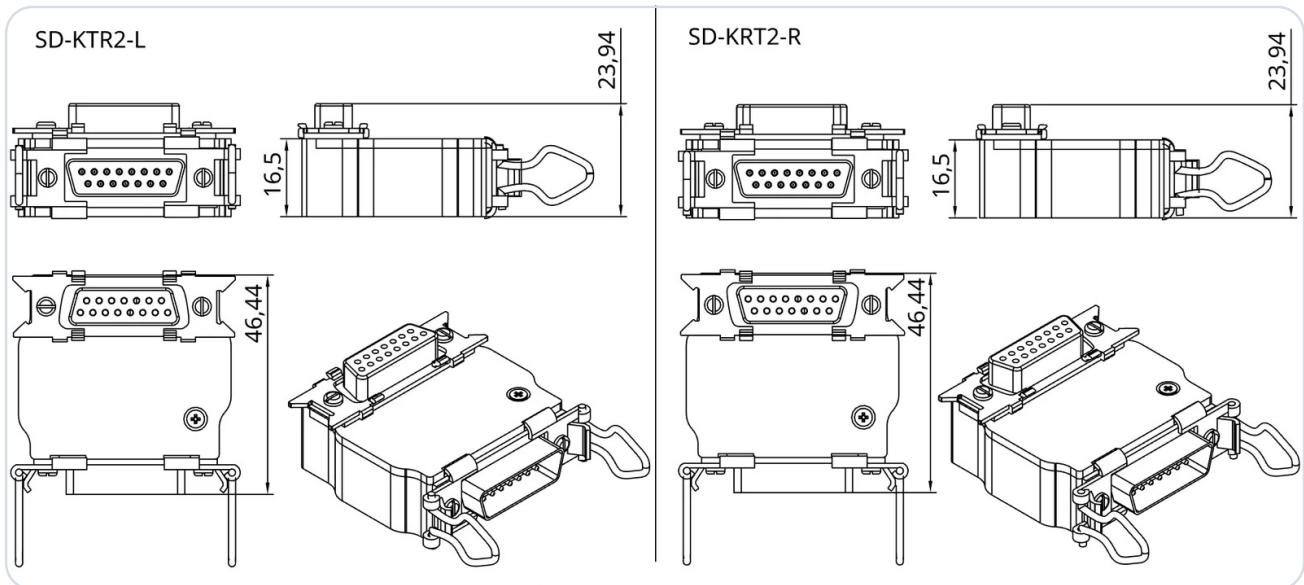
Figure 1 · KRT2 Connector Pinout

### 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 sky-map

### 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.

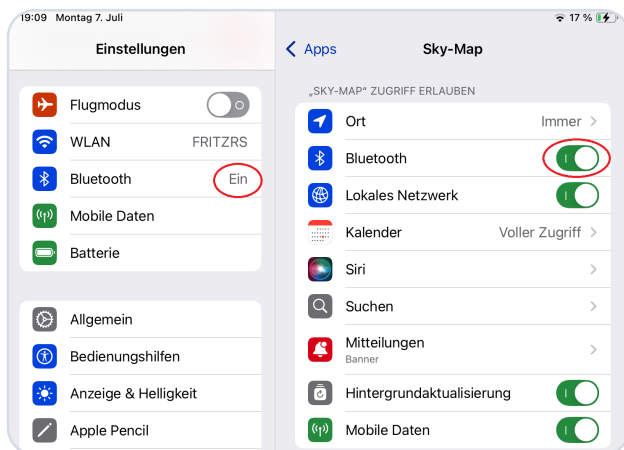
Regular Bluetooth devices such as headsets, intercoms or speakers can still be used in parallel. They are paired via the operating system as usual. The SD-Link, however, is addressed directly by the navigation app.

**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.**

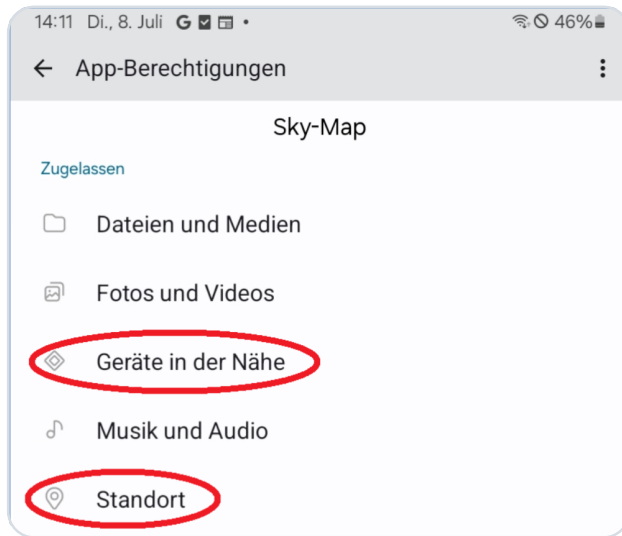
### 4.1 Prerequisites and Configuration in iOS



#### iOS Settings:

- ① Bluetooth must be enabled in the iOS settings.
- ② Under **Apps/sky-map**, access to Bluetooth must be granted.

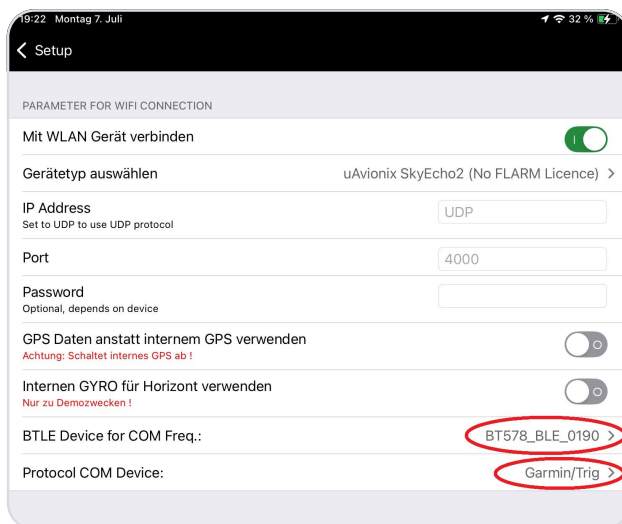
## 4.2 Prerequisites and Configuration in Android



### Android Settings:

- ① Bluetooth must be enabled in the Android settings.
- ② Under **Apps/sky-map**, access to **Nearby devices** and **Location** must be granted.

## 4.3 Establishing Connection with the Adapter



- ③ Turn on the radio with the adapter.
- ④ Open in sky-map:  
Menü → Setup → **Wireless Interface Setup**
- ⑤ Select **SD-KRT2-A** (if multiple are available).
- ⑥ Select the appropriate protocol for your radio:  
**TQ KRT2**
- ⑦ Exit the setup.

At the next program start, sky-map will automatically reconnect to the last selected BTLE adapter.

### IMPORTANT

For the automatic connection at program start to work, the radio and BTLE adapter must be turned on **before** sky-map is started.

If this is not the case, the connection must be established manually by accessing the setup (see step 4).

## 5 Contact

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

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