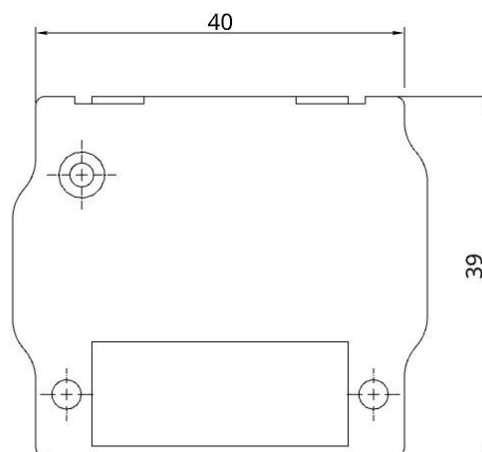


TQ KRT2 – angled Adapter BLE Bluetooth

easyVFR 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 easyVFR. 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:

6.9.2 Connector Pin-Configuration

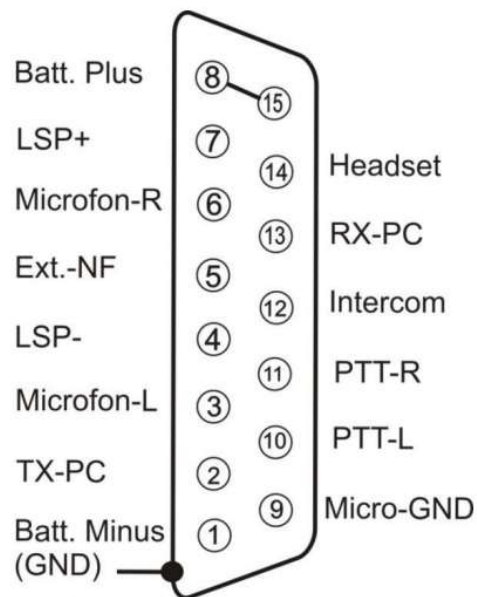


Figure 7: Connector pinout

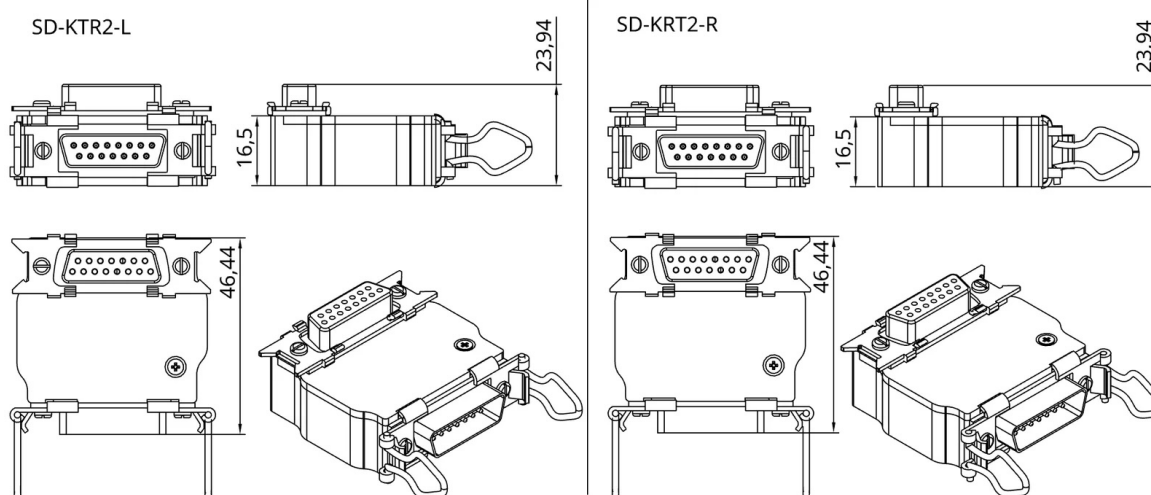
Figure 1: KRT2 Connector Pinout

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

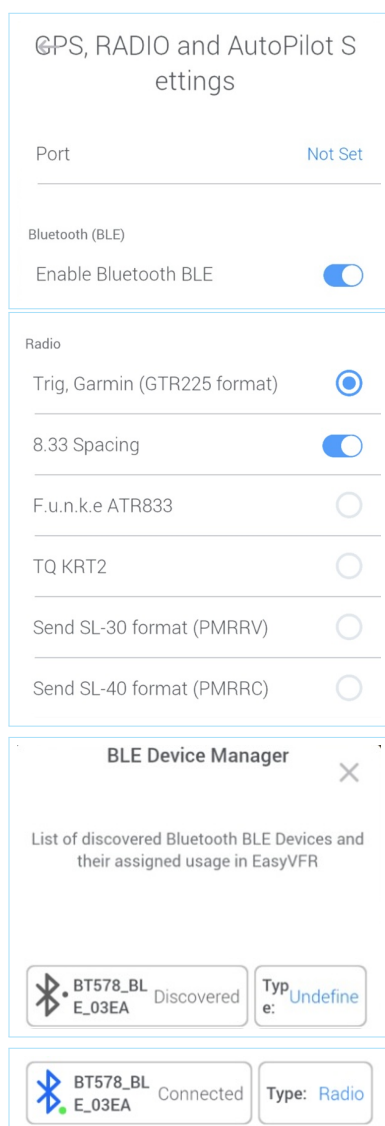
Device	Desired Orientation	Required Adapter
KRT2-F	Points upward	SD-KRT2-A-LEFT
KRT2-F	Points downward	SD-KRT2-A-RIGHT
KRT2-S	Points downward	SD-KRT2-A-LEFT
KRT2-S	Points upward	SD-KRT2-A-RIGHT

4 Configuration in EasyVFR

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

4.1 Enable Bluetooth and select radio

- Switch on aircraft power, turn on the radio.
- Enable Bluetooth on your phone / tablet.
- Start EasyVFR4.



4.1.1 Enable Bluetooth BLE in EasyVFR

1. Open menu
2. **System** → **GPS, Radio and AutoPilot Settings**
3. Scroll down and activate option **Enable Bluetooth BLE**

4.1.2 Select radio protocol

1. Continue scrolling down to the Radio section
2. Select matching radio/protocol
3. If your device is not listed: test protocols, recommended from top to bottom
 - **GTR225** is the most comprehensive (incl. 8.33 kHz),
 - **SL40/SL30** are older legacy protocols.

4.1.3 Open BLE device list and assign adapter

1. EasyVFR now continuously scans for BLE devices
2. Menu → **Bluetooth BLE devices**
3. Select the adapter from the list (e.g. **SD-KRT2**)
4. Tap the Type until **Radio** is set (cycle: AutoPilot / GPS/Traffic / Radio / undefined)
5. EasyVFR connects; indicated by "Connected" (incl. Bluetooth icon).

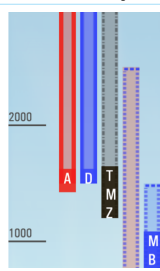
4.1.4 Send frequencies (Remote Tuning)

1. Tap frequency in:

Airfield Info


TWR	135.180 Lelystad Tower
	123.830
ATIS	120.730 Lelystad Information H24
CLD	123.680 Lelystad Delivery
	123.830 Start-up and clearance delivery
APP	134.530 Lelystad Arrival
	120.830

Airspaces Info



1500AMSL
GND
MBZ/RMZ
LELYSTAD RMZ
CLASS G
ACTIVE MON-SUN
DUTCH MIL INFO.
132.350
RMZ ACT OUTSIDE
CTR OP HRS

Radio and Position

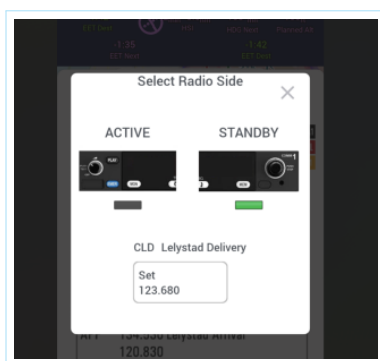
× Radio and Position 

N52 27 31.0 E005 31 27.7
0.5NM NE of EHLE-Lelystad
3.6NM S of Lelystad (NL)

Departure


EHLE Lelystad, -12ft
Density Altitude -396ft

ATIS	120.730	Lelystad Information
CLD	123.680	Lelystad Delivery
TWR	135.180	Lelystad Tower
APP	134.530	Lelystad Arrival



2. Then select **Active** or **Standby** (depending on the radio, only Standby may be possible) → press **Set**.

4.1.5 Optional control aids (Radio Card)

× Radio and Position 

N52 27 31.0 E005 31 27.7
0.5NM NE of EHLE-Lelystad
3.6NM S of Lelystad (NL)

List of previously selected frequencies

RDO	121.005	Teuge Radio
	132.350	DUTCH MIL INFO
APP	119.055	Schiphol Approach
CLD	123.680	Lelystad Delivery
TWR	135.180	Lelystad Tower
ATIS	120.730	Lelystad Information
MISC	134.480	Gilze Monitor
APP	134.530	Lelystad Arrival

1. Keypad icon: manual frequency entry
2. Clock icon: recently set frequencies (History)

5 Contact

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

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