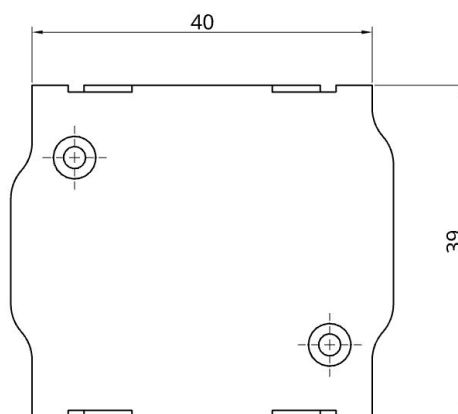


## TQ KRT2 DS - BLE Bluetooth Adapter

easyVFR 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., easyVFR) 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

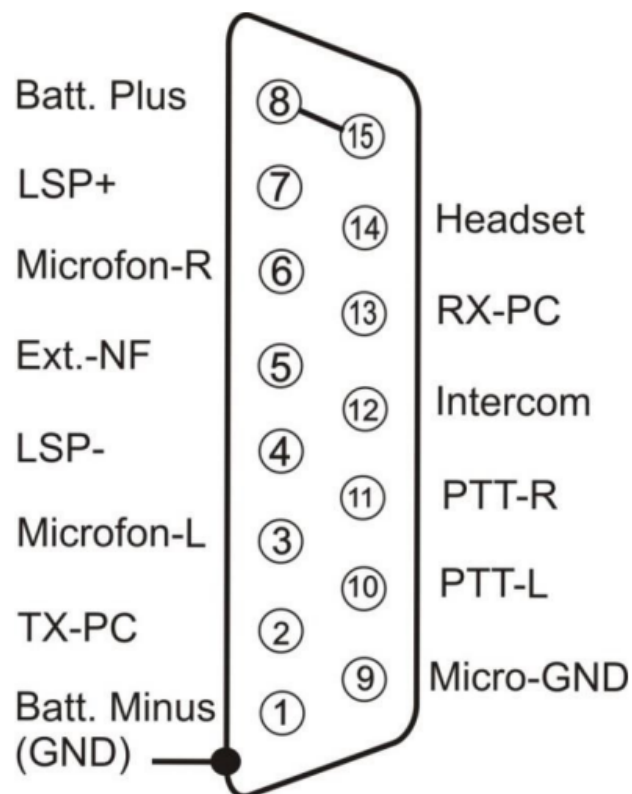


Figure 7: Connector pinout

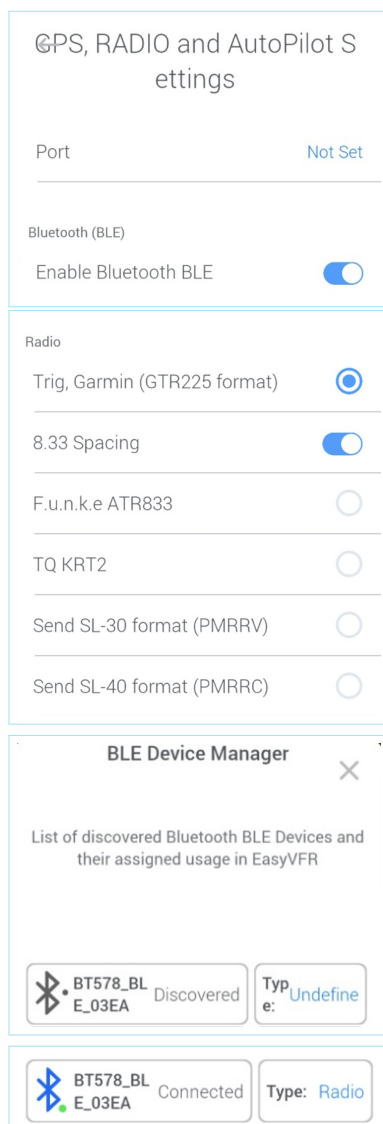
Figure 1: KRT2 DS Connector Pin Assignment

### 3 Configuration in EasyVFR

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

#### 3.1 Enable Bluetooth and select radio

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



##### 3.1.1 Enable Bluetooth BLE in EasyVFR

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

##### 3.1.2 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.

##### 3.1.3 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).

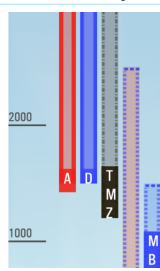
### 3.1.4 Send frequencies (Remote Tuning)

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**

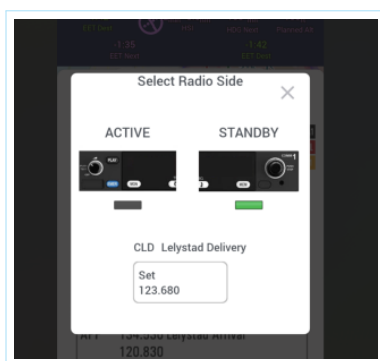
Radio and Position

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**.

### 3.1.5 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)

## 4 Contact

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

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