



Communication without limit –
The new Dittel radio transceiver KRT2 from TQ-Avionics



8.33 KHZ
Simple. First class. Low-cost.





Communication without limit – The radio transceiver KRT2

The newly developed radio transceiver with the new mandatory 8.33 kHz channel spacing is small, light-weight, energy-efficient and full of innovative digitalisation technology. The high level of digitalisation results in high frequency stability and channel separation as well as crystal-clear communication.

As a stand-alone transceiver for sport or ultralight aircraft, gliders and balloons or as a backup transceiver for larger GA aircraft, the KRT2 makes radio communication a pleasure on all channels.



The advantages at a glance

- Very high frequency stability and channel separation – under all operating conditions
- Spectacular low weight of just 360 grams – ideal for gliders and ultralights
- Compact dimensions – for easy and flexible installation
- Minimized power consumption – optimized for battery operation in gliders and balloons
- Crystal-clear voice transmission – for perfect communication
- Large, high-contrast, long-life TFT colour display for excellent readability – even in direct sunlight
- Intuitive controls – developed by pilots for pilots
- Outstanding price/performance ratio – Made in Germany

Functionality at its best

In addition to its high-end design, the KRT2 impresses with many characteristics, which raise radio communication to a high level and open the way to functional extensions in the future.

- **Dual watch technology:** Beside the main frequency, it is also possible to listen to a second frequency – with adjustable tone and volume control.
- **Speech controlled intercom:** With the optionally available cable harness, two headsets or loudspeakers with microphones (standard or dynamic) can be connected
- **100 freely assignable frequency memories with 8-character, plain-text display:** saves the re-entry of often used frequencies
- **Automatic squelch function:** the threshold can be adjusted manually
- **Additional AF input:** can be used, for example, for warning messages from anti-collision systems (Flarm, ADS-B)
- **Future-proof multi-functionality:** through firmware upgrades



Easy installation

The KRT2 is available in three form-factors. In addition to the standard version for mounting in a 57-mm round slot, the communication experts are available in mini-format, in landscape or portrait housings.

With its small housing length, it is easy to install, even in cockpits with confined space.

For mobile use, e.g. ballooning, the radio transceiver is also available as a portable station – ideally in combination with the KTX2 Mode-S transponder.

Dimensions:

Standard:	146,5 x 63,5 x 62 mm, Ø57 mm slot
Mini landscape:	147,5 x 62 x 46 mm
Mini portrait:	147,5 x 46 x 62 mm



Standard



Mini landscape



Mini portrait

Extras – for all situations

For aircraft in tandem configuration a remote control is optionally available. The front of the remote is identical with the KRT2 in appearance and functionality.

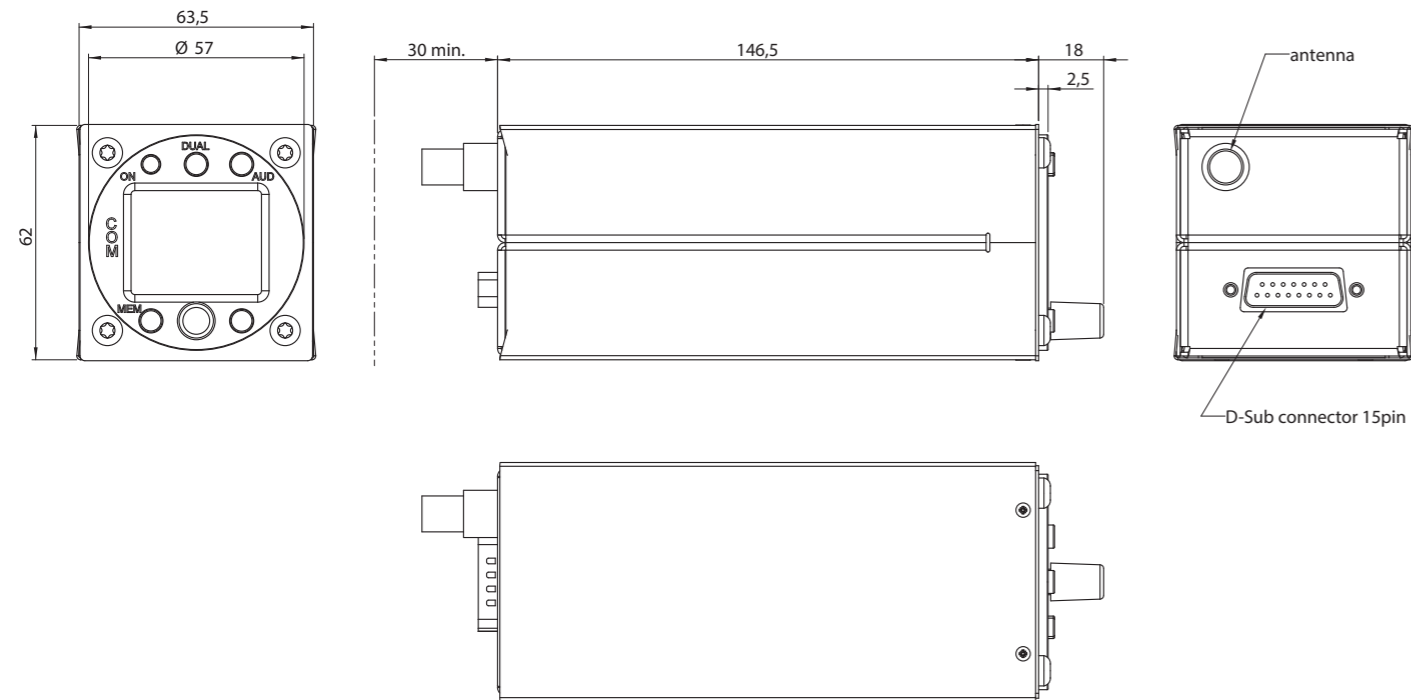
Various other accessories are also available for the KRT2, such as cable sets, connectors, adapters, antennas, microphones...



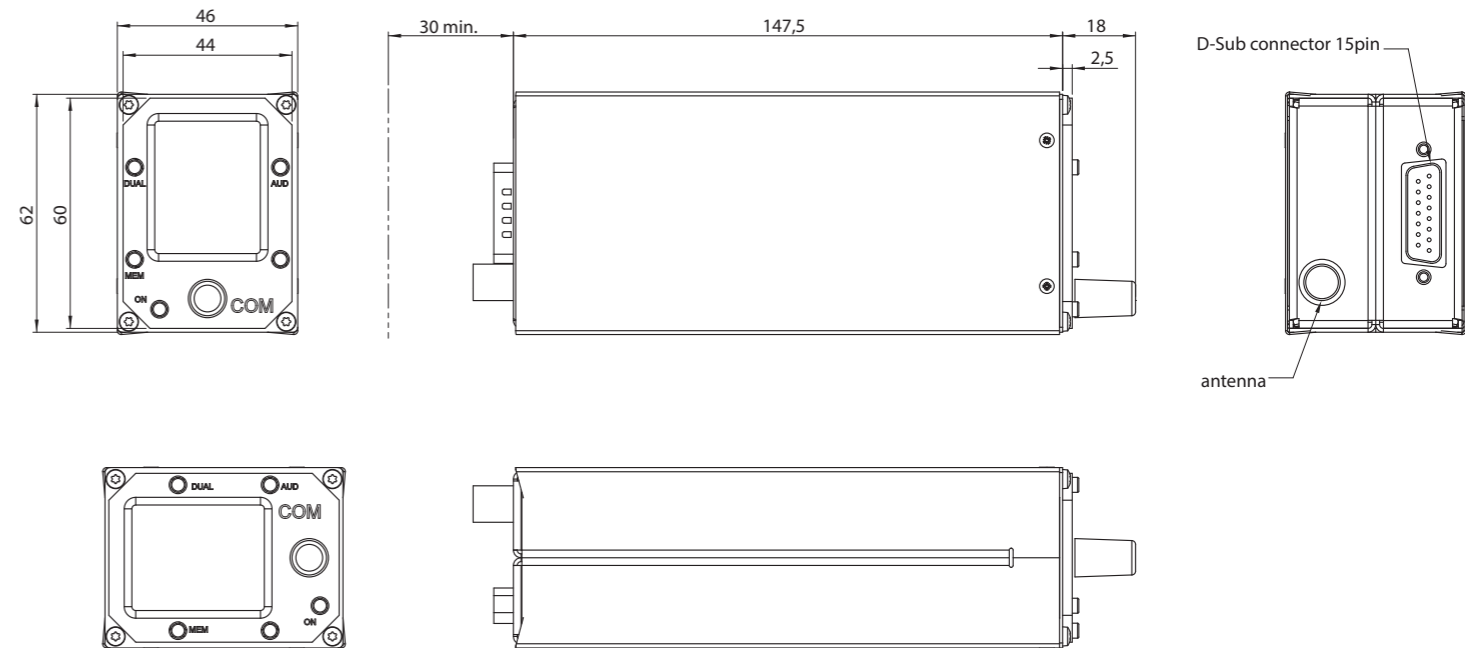
Technical data

Type	8.33 / 25 kHz VHF radio transceiver, 118,000 - 136,975 MHz, 2278 channels
Frequency precision	±5 ppm
Approvals	ETSO-2C169a / TSO-C169a Transmitter: EUROCAE ED-23C Class 4, 6, RTCA DO-186B Class 4, 6 Receiver: EUROCAE ED-23C Class C-D-E-H1/2, RTCA DO-186B Class C-D-E
Compatibility	EUROCAE ED-23C, RTCA DO-186B, RTCA DO-160F, RTCA DO-178B Software Level D
Operating voltage	9 - 33 V DC
Power consumption (@12 V)	Standby: 1 - 1.4 W (depending on display brightness settings) Transmit: 17 - 30 W (depending on modulation level)
Transmitted power	6 W @ ≥ 13.5 V
Loudspeaker output	≥10 W in 4 Ω
Operating temperature	-15°C ... +55°C
Weight	360 g
Max. operating altitude	35,000 ft
Dimensions	146,5 x 63,5 x 62 mm (standard), 147,5 x 62 x 46 mm (mini)

Dimensions, standard version



Dimensions, mini version





Quality Made in Germany – The extensive world of the TQ Group

TQ is one of the largest electronics specialists in Germany and provides a complete range of services from idea to finished product.

The custom developed and manufactured assemblies are used in a number of industries. In the aviation sector, electronics from TQ perform tasks in engine control, in cabin management and cabin control, in air conditioning and wastewater management, in exterior and interior lighting and in freight control - to name just a few examples.

Through consequent top quality Made in Germany, the TQ-Group can look back on over 20 years of continuous growth and now has a total of around 1,400 employees at 13 locations throughout Germany, Switzerland and Shanghai (China).

In mid-2016, TQ took over the avionics branch of Dittel Avionik, Landsberg am Lech. The fusion of decade-long experience of both Dittel and TQ is the basis for the outstanding quality of TQ Avionik products.

TQ is one of the leading suppliers of solutions for innovative technologies.

TQ stands for technology in quality.

For more information about TQ, see www.tq-group.com



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Technology in Quality

