

RT6512 Remote-Controlled VHF Radio

FEATURES

Operating altitude: 50 000 ft.

Channel spacing: 25 and 8.33 kHz

Standard communication interfaces:

ARINC 429 (standard)

RS422 (Becker proprietary)

Frequency range:

Standard 118–136.9916 MHz

Extended 118–155.975 MHz

Emergency mode (option)

Output power: 20W

Crosstalk reduction for dual installations

EASA, FCC certificated



kHz
8.33
25

Remote



BUSINESS & COMMERCIAL AVIATION



SPECIAL MISSION

OVERVIEW

The RT6512 Remote Controlled VHF Radio is the latest CNS product innovation from Becker Avionics, intended to respond to the latest regulation requirements.

Designed for both, fixed wing and rotary wing applications, the product will allow operators to fly in regulated airspaces with more integrated functions but less weight.

The radio is intended for installations as part of integrated avionics systems featuring standard ARINC 429 data bus. Becker Avionics units may be controlled through dedicated control units, integrated radio tuning units and through FMS.

Designed for installation in the avionics compartment, the compact and ruggedized design of the RT6512 radio offers a well suited solution for a wide range of aircraft types. It is suitable as retrofit option for VHF radios like the BendixKing KTR-908.

The RT6512 includes special provisions which minimizes crosstalk in case several VHF radios are installed on an aircraft. This allows optimal communication also in case of short distances between several VHF antennas.

BENEFITS

- ▶ Low weight and reduced size
- ▶ Maintenance-free
- ▶ No forced cooling
- ▶ No ventilation slots
- ▶ Overheat protection
- ▶ Dedicated Becker control unit available (RCU6512)

RT6512

Remote-Controlled VHF Radio



BUSINESS & COMMERCIAL AVIATION

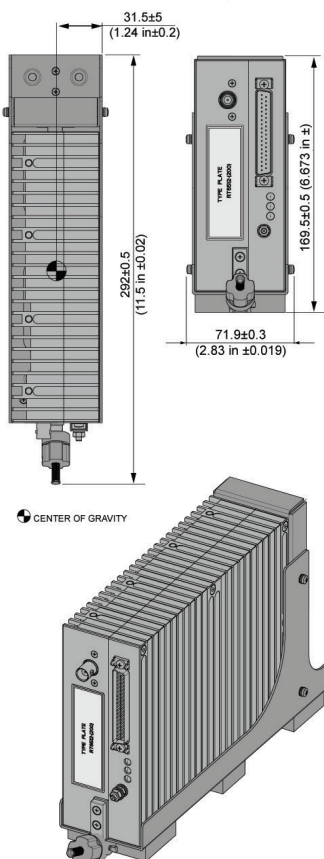


SPECIAL MISSION

APPLICATIONS

- Fixed and rotary wing aircraft
- Glass cockpit integrations
- OEM/forward fit solutions
- Retrofit and cockpit upgrades

TECHNICAL DATA



Dimensions in mm (inch)

Standards	ED-23C, DO-186B, ED-67, DO-207, DO-160G	Certification	EASA.21O.10060121
Design Assurance Level (DAL)	Level C (DO-254 & DO-178C)		
TX Class	3 & 5		
RX Class	C & E & H2		
Frequency	118.000...136.9916 MHz		
Optional Extended Frequency	118.000...155.9750 MHz (25 kHz spacing above 137 MHz)		
Transmitter Power	20 W		
Channel Spacing	25 kHz / 8.33 kHz		
Storage Temperature	-40 ... +85 °C		
Operating Temperature	-40 ... +70 °C		
Operating Altitude	Up to 50 000 ft		
Vibration	Fixed wing & rotary wing		
Interface	ARINC 429 or RS422		
Control Devices	RCU6512 (Becker Avionics) RMU5000 (Becker Avionics) G7610 (Gables) RCU (Universal) ARINC 429 compatible		
Dimensions	see drawing		
Weight	< 2.5 kg (5,5 lbs), RT6512 incl. mounting tray		
Supply	28 VDC nominal		
Current Consumption	0.6 A nominal 7 A in TX Mode		