



VHF-COM

RT6512-(XXX)

Prime Line 6500 Series



The remote-controlled VHF-AM transceiver is a half-duplex voice communication system in the standard avionics VHF frequency range 118.000...136.975 MHz (136.9916 MHz with 8.33 kHz channel spacing), or optional with extended frequency range up to 155.975 MHz and uses standard amplitude modulation (A3E). The VHF-AM transceiver is capable to operate in both, the 25 or 8.33 kHz channel spacing, is primarily intended for aeronautical operational control (AOC) and safety communications.

The RT6512 remote controlled VHF-AM transceiver uses ARINC 429 and RS422 interfaces for communication with a control device.

RT6512 provides frequency and mode control, either by means of the Becker Avionics RCU6512 (certification is pending) or RMU5000 controller using the RS422 communication port, or by means of any OEM product using the standard ARINC 429 communication bus.

With transmitter power at least 16 W under all environmental conditions RT6512 is able to support simultaneous communication over a range exceeding 200 NM direct line of sight, within the frequency range.

RT6512-(XXX)

Prime Line 6500 Series

• Standards	ED-23C, DO-186B, ED-67, DO-207	Certification: EASA.210.10060121
• Tx Class	3 & 5	
• Rx Class	C & E & H2	
• Frequency	118.000-136.9916 MHz	
• Optional Extended Frequency	118.000-155.9750 MHz	
• Transmitter Power	20 W	
• Channel Spacing	25kHz / 8.33 kHz	
• Storage Temp	-40°C... +85°C	
• Operating Temp	-40°C... +70°C	
• Operating Altitude	Up to 50.000ft	
• Vibration	Fixed Wing & rotary wing	
• Interface	ARINC 429 or RS422	
• FM Immunity	Yes	
• Control Heads	RMU5000 (Becker) G7610 (Gables) RCU (Universal) A429 compatible	<ul style="list-style-type: none"> • Dimensions see drawing • Weight < 2.5 kg • Supply 28 V DC nominal • Current consumption 0.6 A nominal 7 A in Tx Mode

The Prime Line 6500 is the latest CNS product series from Becker Avionics, intended to respond to the latest regulations requirements.

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

The Prime Line 6500 product series 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.

