



VHF/AM Transceiver

AR6201-(x1x) and AR6201-(x2x) Compact Line/Communication



- 8.33 or 25 kHz
- supply voltage 9 - 33 V DC
- 6 W or 10 W transmit power
- VOX / INTERCOM
- scan (SCN) mode active/preset frequency
- Tandem Operation

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The new AR6201 series of square sized VHF transceivers from Becker are a family of affordable airborne radios optimized by their functionalities, state of the art technology, compact dimensions, and low weight for many different aircraft categories in general aviation, from smaller to larger aircraft. The radios fit in any 2 1/4 inch cut out for easy installation and the different models are equipped with sunlight readable LC displays and high performance transmitters with 6 or 10 watts power output, continuous power supply from 10.25 to 33 V DC, 8.33 kHz / 25 kHz channel spacing, sensitive receiver, VOX intercom and many other features.

The first model **AR6201-(X0X)** has been brought to the market end of 2010 including the following functionalities:

2 place VOX controlled intercom, standard and dynamic microphone inputs are available to be used in gliders or engine powered aircrafts, AUX input to be used for e.g. music input, supply battery voltage indication including low voltage warning, scan (SCN) mode to monitor simultaneously the active and preset frequency for a call and memory for storage of 99 channels are available.

The AR6201-(X0X) has been replaced in the second half of 2013 by 2 new smaller and lighter versions providing additional functionalities:

AR6201-(X2X) 4 place VOX controlled intercom, separated PTT keys, tandem (parallel operation of 2 displays) capable connection with RCU6201.

The VHF transceiver also contains a channel memory function for automatically/manually frequency storage. The last 9 used (active) frequencies are always stored automatically. In addition a manual storage of up to 99 different frequencies is possible and a user defined text label for each stored frequency can be assigned.

AR6201-(X1X) has same features as AR6201-(X2X) but with transmit power of 10 W@28 V.

Different models:

AR6201-(022) VHF transceiver 6W, 8.33/25kHz spacing, blue white backlight LC-display
Article-No. 0636.399-910

AR6201-(012) VHF transceiver 10W, 8.33/25kHz spacing, blue white backlight LC-display
Article-No. 0631.418-910

AR6201-(122) VHF transceiver 6 W, 25 kHz channel spacing only, blue white backlight LC-display
Article-No. 0636.355-910

AR6201-(112) VHF transceiver 10 W, 25 kHz channel spacing only, blue white backlight LC-display
Article-No. 0631.434-910

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Technical data:

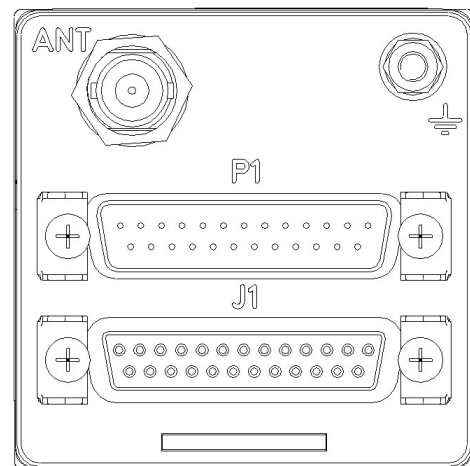
- Supply voltage: 10.25...33 V DC
- Emergency supply voltage: 9.0...10.25 V DC
- Output power:
AR6201-(x2x) $\geq 6 \text{ W@12V into } 50 \Omega$
AR6201-(x1x) $\geq 10 \text{ W@28V into } 50 \Omega$
- Current consumption: $\leq 1.5 \text{ mA @ } 12 \text{ V DC (Power OFF)}$
 $\leq 140 \text{ mA @ } 12 \text{ V DC (Receive standby)}$
 $< 2 \text{ A @ } 12 \text{ V DC (Transmit)}$
- Frequency range: 118.005 MHz to 136.990 MHz
- Channel spacing: 8.33 / 25 kHz
- Number of channels: 760 (25 kHz mode)
2280 (8.33 kHz mode)
- Squelch: trigger level adjustable
- Storage temp.: $-55^\circ\text{C to } +85^\circ\text{C}$
- Operating temp.: $-20^\circ\text{C to } +55^\circ\text{C, short time } +70^\circ\text{C}$
- Maximum altitude: 35.000 ft.
- Audio output: Headphone: $\geq 300 \text{ mW @ } 150 \Omega$
 $\geq 100 \text{ mW @ } 600 \Omega$
- Audio Auxiliary input: 1 V to 8 V (adjustable) into 600Ω
- Speaker: $\geq 4 \text{ W into } 4 \Omega$

Certifications:

- ETSO-2C37e and 238e/TSO-C169a
- RTCA D-178B
- EASA 210.1249
- TSO(FCC) approved

Dimensions:

- H x W x D: 61.2 mm x 61.2 mm x 168.4 mm
- Weight: ca. 675 g



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