

## AR620X Series VHF Transceivers

### FEATURES

- 8.33 kHz / 25 kHz channel spacing
- 6 W or 10 W power output
- RF signal indicator in the display
- Dual watch function ("SCAN Mode" for monitoring a second frequency).
- VOX-controlled intercom
- 4-place intercom
- 2 separate intercom circuits
- Separate PTT for pilot and co-pilot
- Audio auxiliary input
- Tandem operation
- EASA certified
- TSO & FCC approved for 25 kHz versions



AR6201



AR6203



KHz  
8.33  
25

Mount  
2 1/4"

Mount  
160mm

## OVERVIEW

The AR620X Series VHF transceivers are a family of high-quality aircraft radios optimized by their functionalities, state of the art technology, compact dimensions, and low weight for many different aircraft categories in the general aviation community. Market leader for their reliability, the products follow the highest manufacturing and testing standards in the Light & Sport Aviation segment.

The panel mount models are equipped with sunlight readable LCD displays and all variants provide high performance transmitters with either 6 or 10 W power (10 W @ 28 VDC only) output, continuous power supply from 10.25 to 33 VDC, 8.33 kHz / 25 kHz channel spacing, sensitive receiver, VOX intercom and many other features.

The AR620X series radio family supports a 4-place VOX-controlled intercom, separated PTT keys, tandem capable connection with the RCU6201 panel-mount

remote controller for dual-panel operation. The VHF transceiver also contains a channel memory function for automatically/manually frequency storage. The last 9 used (active) frequencies are always stored automatically.

To support a variety of different installation requirements, the 620X products are available in the following formats:

- AR6201: 2 1/4 inch format, easy installation in cockpit panels using only 4 screws.
- RT6201: split variant of the AR6201, controlled with the RCU6201 compact control unit (2 1/4 inch format). The RT6201 can thereby be installed with the dedicated mounting close to the antenna.
- AR6203: 160 mm width for panel installation with the dedicated mounting.

## BENEFITS

- Compact and lightweight
- Sunlight readable display
- Robust and maintenance-free design
- No forced cooling
- No ventilation slots
- Market-leading durability

## AR620X Series VHF Transceivers



LIGHT AND SPORT

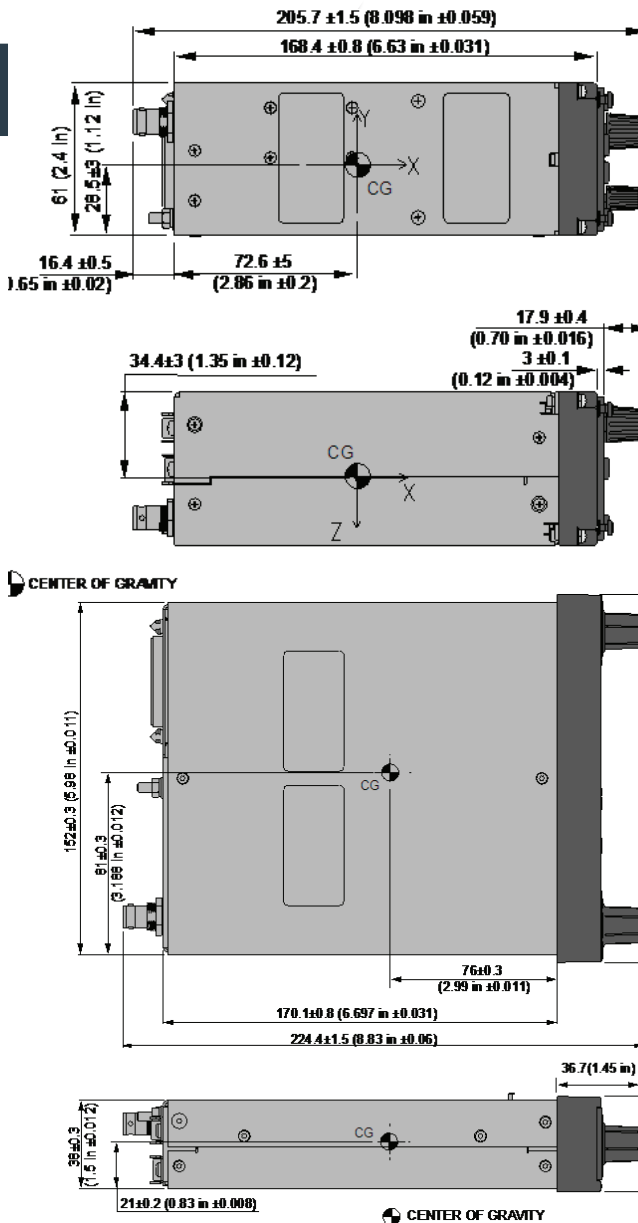


RCU6201



RT6201

### TECHNICAL DATA



Supply voltage	10.25...33 VDC
Emergency supply voltage	9.0...10.25 VDC
Output power	$\geq 6$ W @ 12 V into 50 $\Omega$ $\geq 10$ W @ 28 V into 50 $\Omega$
Current consumption	$\leq 1.5$ mA @ 12 V DC (Power OFF) $\leq 140$ mA @ 12 V DC (Receive standby) $< 2$ A @ 12 VDC (Transmit)
Frequency range	118.000...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 temperature	-55...+85 °C
Operating temperature	-20...+55°C, short time +70°C
Maximum altitude	35 000 ft
Audio output	Headphone: $\geq 300$ mW @ 150 $\Omega$ $\geq 100$ mW @ 600 $\Omega$
Audio Auxiliary input	1...8 V (adjustable) into 600 $\Omega$
Speaker	$\geq 4$ W into 4 $\Omega$
Weight :	AR6201 675 g (1.488 lbs) AR6203 800 g (1.763 lbs) RT6201 600 g (1.32 lbs) RCU 200 g (0.44 lbs)
Certifications	ETSO-2C37e and 2C38e/TSO-C169a RTCA DO-178B LEVEL D EASA 210.1249 TSO, FCC approved