

PAR200A



Remote Mounted Radio



TECHNICAL SPECIFICATIONS

PAR200A Audio Panel and Radio - FAA - TSO - EASA - ETSO	
Audio Selector/Intercom	FAA TSO-C139
Communications Transceiver	FAA TSO-C169a (PARTIAL)
Environmental Qualification DO-160G	A1C1BAESRXXXXXZ B(XX) ABATBXXA2EZ XXX
Operating Temperature Range:	-20° C to 55° C , short term -40° C to +70° C
Altitude:	35,000 feet
PAR200A Unit Weight	1.1 lb. (0.49 kg)
Rack with connectors	0.51 lb. (0.24 kg)
Voltage:	11-33 VDC
Maximum Current:	2.5 Amp (Externally protected by a 3A pull-type breaker)

AUDIO SELECTOR SPECIFICATIONS

Audio selector panel input impedance:	510 Ω
Input Isolation:	-60 dB (min.)
Receiver Inputs:	4 (Com 1, Com 2, Nav 1, Nav 2)
Unswitched Inputs:	4
Transmitter Selections:	3 (Com 1, Com 2, Com 1/2)
Headphone Impedance:	150 – 1000 Ω
Headphone Output:	30 mW each headset, no clipping <1% THD typical into 150 Ω)
Speaker Output (into 4 Ω) with no clipping	
14 VDC: 3 Watts (min.)	28 VDC: 10 Watts (min.)
Microphone Impedance:	150 - 600 Ω
Intercom Positions:	4-place IntelliVox® ICS
Music Inputs:	2 (Independent, Stereo)
Distortion:	<1% THD @ 30 mW into 150Ω
Mic Freq. Response, 3 dB:	300 Hz - 6000 Hz
Music Freq. Response, 3 dB:	20 Hz - 20 KHz

COM RADIO TRIG TY91

Channels (Transmit & receive)	760 channels, 25 KHz spacing 2280 channels, 8.33 KHz spacing 118.000 – 136.992 MHz
Power consumption Receive (no signal)	2.8W @ 14VDC
Transmit	3.2A
Input Voltage	11-33 VDC 5A Circuit Breaker.
Power output	6 watts (nominal) VSWR Tolerance < 2:1 for best operation (5:1 without damage)
Receiver sensitivity	-6dB SINAD @ 5µV (1KHz audio with 70% modulation)
Temperature range	-20 to +70 degrees Celsius
Dimensions	W-2.5" x H-1.9" x D6.3" (plus 1.5" for harness) W-66mm H-48mm x D-160 (plus 35mm for harness)
Weight	0.77 lbs (0.350 kg)
FCC ID:	VZIO0882

The PAR200A is an FAA Approved system that combines an audio control panel, 4-place stereo IntelliVox® intercom with Bluetooth®, and a remote mounted, 760/2280-channel VHF aviation communications transceiver.

This system saves cockpit space, weight, and money over stand-alone independent systems while providing the most sought after functionality.

The PAR200A is attractive for the aircraft that is used primarily for VFR missions or as an audio panel/back-up com to more advanced systems. The elimination of one panel mounted radio saves valuable panel space.

Seamless integration between the audio panel and the radio was the goal for the best user experience possible, while keeping the system costs to a minimum.

The right half of the PAR200A is dedicated to the communication radio, with an easy to read LCD display that shows the frequencies, which are controlled through a concentric knob. This radio has active and standby frequencies, and a standby frequency monitor mode that permits listening to both active and standby frequencies.

The Pilot can store up to 5 frequencies in non-volatile memory so he can easily tune to his frequently used channels. The radio also has autosquelch, so you will always have optimal radio sensitivity.

The left half controls the audio panel for radio selection, intercom and music volume, intercom modes, and multiple music mute mode control. The PAR200A has two independent music inputs. Independent power supplies assure operation in failsafe on the audio panel; the VHF radio can still be used.

The PAR200A can be configured as stand alone, as COM 1, or as COM 2. This provides flexibility to allow the aircraft owner to decide if a second radio will be used and in what position. The PAR200A includes a cockpit speaker amplifier for additional flexibility.

An integrated Bluetooth® system allows the PAR200A to interface with cellular telephones, giving the aircraft occupants ready access to their telephones. In addition, the Bluetooth® will stream music from compatible devices like iPads, and smart phones.

WARRANTY

2-year Pro-Support exchange program, when installed by an authorized PS Engineering Dealer. After the warranty expires, a fixed repair fee will cover any report. See Warranty information in the Installation Manual.

ORDERING INFORMATION

PART NO.

PAR200A Audio Panel, Stereo Intercom, Com Radio.....050-228-0200

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