

Tactical Communication Products: C-5000 Control Head Base Model



PRODUCT DESCRIPTION

The C-5000 Control Head can control and independently monitor any combination of up to three of the following Transceivers: RT-5000, RT-7200, RT-9600(F), RT-30, RT-138(F), RT-118, RT-450, and RT-406F. Two microphone and headset ports allow for simultaneous independent operation of two radio systems. Standard with the C-5000 are 350 preset channel memories, 99 scan group memory, DTMF/Pulse dialing, manual frequency selection on each system, front panel programming, and a PC database data port on the front of the unit. When multiple radios are connected to the C-5000, a push of a button turns the aircraft into a command and control platform capable of performing relays, simulcasts, repeater, and full-duplex operations. All enhanced functions require that multiple radios be connected to the C-5000.

Features

Controls up to 3 Transceivers
Dual Independent Mic/Headset ports
350 Preset Channels
99 Preset Scan Groups
Programmable by:
 PC Database Download
 Front Panel
 Manual Frequency Entry
Multiple Radio enhanced modes:
 Cross-Band Relay
 Simultaneous Multi-radio Transmissions
 Repeater
FAA PMA Certified

Options

Black or Gray Faceplate
NVG Gen III Compatible Display
KY-58 Encryption Ready

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Specifications

Power Requirements	27.5 Vdc Aircraft Power (+/- 20%)
Current Requirements	0.4 amps to 1.3 amps
Weight	3.5 lbs. (1.59 kg)
Temperature	-22°F to 140°F (-30°C to +60°C)
Panel Lighting	5 Vdc, 5 Vrms and 28 Vdc Standard
Display Options	Standard Green or NVG Gen III compatible
Radio Interfaces	RT-5000, RT-7200, RT-9600(F), RT-30, RT-138(F) RT-450, RT-406F
Preset Channel Memory	350 Channels, 99 Scan Groups

Available Part Numbers

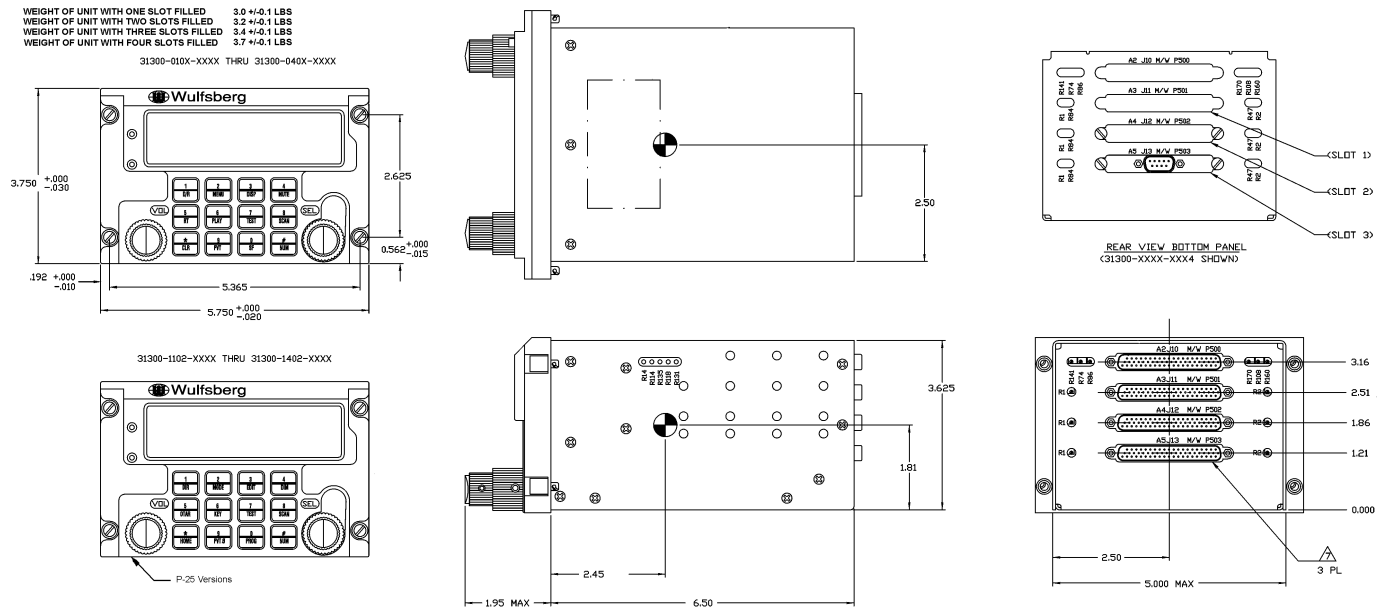
Base Part Number: 31300-0A01-BCDE

Options A =	1:Black Face, Standard Display 2:Black Face, NVG Display 3:Black Face, 60° 4:Gray Face, Standard Display
B =	1:Standard 2:OTAR Encryption Ready 3:KY-58 Encryption Ready
C,D,E =	0:No Radio Interface Card 1:Flexcomm I/Flitecom Interface Card (Parallel R/T) 2:RT-5000 Interface Card (Serial R/T)

Configuration Variations	Description
31300-0101-1100	C-5000 STD Display, Blk. 1 Parallel RT Control
31300-0101-1110	C-5000 STD Display, Blk. 2 Parallel RT Control
31300-0101-1111	C-5000 STD Display, Blk. 3 Parallel RT Control
31300-0101-1200	C-5000 STD Display, Blk. 1 Serial RT Control
31300-0101-1210	C-5000 STD Display, Blk. 1 Serial RT Control, 1 Parallel RT Control
31300-0101-1211	C-5000 STD Display, Blk. 1 Serial RT Control, 2 Parallel RT Control
31300-0101-1220	C-5000 STD Display, Blk. 2 Serial RT Control
31300-0101-1221	C-5000 STD Display, Blk. 2 Serial RT Control, 1 Parallel RT Control
31300-0101-1222	C-5000 STD Display, Blk. 3 Serial RT Control
31300-0201-1100	C-5000 NVG Display, Blk. 1 Parallel RT Control
31300-0201-1110	C-5000 NVG Display, Blk. 2 Parallel RT Control
31300-0201-1111	C-5000 NVG Display, Blk. 3 Parallel RT Control
31300-0201-1200	C-5000 NVG Display, Blk. 1 Serial RT Control
31300-0201-1210	C-5000 NVG Display, Blk. 1 Serial RT Control, 1 Parallel RT Control
31300-0201-1211	C-5000 NVG Display, Blk. 1 Serial RT Control, 2 Parallel RT Control
31300-0201-1220	C-5000 NVG Display, Blk. 2 Serial RT Control
31300-0201-1330	C-5000 NVG Display, Blk. 2 Parallel RT Control w/Tones
31300-0201-3200	C-5000 NVG Display, Blk, KY-58 Encryption. 1Serial RT Control
31300-0301-1200	C-5000 60 DEG Display, Blk. 1 Serial RT Control
31300-0301-1220	C-5000 60 DEG Display, Blk. 2 Serial RT Control

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Configuration Variations	Description
31300-0401-1100	C-5000 STD Display, Gry. 1 Parallel RT Control
31300-0401-1110	C-5000 STD Display, Gry. 2 Parallel RT Control
31300-0401-1111	C-5000 STD Display, Gry. 3 Parallel RT Control
31300-0401-1200	C-5000 STD Display, Gry. 1 Serial RT Control
31300-0401-1220	C-5000 STD Display, Gry. 2 Serial RT Control
31300-0401-3200	C-5000 STD Display, Gry, KY-58 Encryption. 1 Serial RT Control



**Figure 22. C-5000 Outline Drawing (Base Model)
Portions of Dwg No. 154-031300**

The C-5000 in the frequency agile control mode is limited to aircraft installations and operation per FCC Rules 90.203(h) and 90.423.