

# C-5000 P-25 Model

# COBHAM

Flexcomm™ P-25 Control Head

Data Sheet

The most important thing we build is trust

The latest series of C-5000 part numbers control the new P-25 compatible versions of the RT-5000 transceiver.

A completely new user interface makes the operation incredibly intuitive while performing even the most complex command and control functions. These new versions of the C-5000 can control one or two transceivers.

New software now allows for 12-digit Alpha Identifier labels, which makes identifying a channel much simpler.

Two microphone and headset ports allow for simultaneous, independent operation of two radio systems. Standard with the C-5000 are 350 preset channel memories,

DTMF/Pulse dialing, manual frequency selection on each system, front panel programming, and a data port on the front of the unit.

All part numbers of the C-5000 built to date can be easily upgraded to these new part numbers. This version of the C-5000 is recommended for all new installations not requiring 3-transceiver independent control.



## Features:

- Used with P-25 RT-5000's
- Controls up to two transceivers
- Dual independent mic/headset ports
- 350 preset channels
- Programmable by:
  - UPC database download
  - Front panel
  - Manual frequency entry
- Multiple radio enhanced modes:
  - Cross-band relay
  - Simultaneous multi-radio transmissions
  - Repeater
- Flexcomm CS upgrade provides 700 preset channels plus single mic operation

## Technical Specifications:

Power Requirements:	27.5 Vdc aircraft power (+/- 20%)
Current Requirements:	0.4 A to 1.3 A
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
Options:	External encryption ready NVG Gen III compatible display Black or gray faceplate

For further information please contact:

### Cobham Avionics

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# RT-5000 P-25 Model

**COBHAM**

Flexcomm™ P-25 Transceiver

Data Sheet

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New versions of the RT-5000 transceiver can perform P-25 digital modulation in addition to Motorola trunking.

Up to two modules covering the VHF, UHF, and 800 MHz trunking bands can be incorporated into

the transceiver, giving the user unprecedented communications interoperability.

In addition, numerous encryption algorithms have been built into these modules that give optimum performance of the AES, DES, DVP, DVI and OTAR algorithms.

All new options are available as upgrades for previous models. Contact the factory in Prescott, AZ for details.



## Features:

- 29.7-960 MHz main transceiver
- 10 W FM/15 W AM (nominal) transmit power
- 1.25 kHz tuning
- 12.5/25/35/70 kHz IF bandwidths
- CTCSS/DCS tone squelch
- P-25 and Motorola trunking
- FAA PMA certification pending

## Technical Specifications:

Power Requirements:	27.5 Vdc (+/- 20%)
Current Requirements:	Receive: 2.5 A Transmit: 10.0 A max.
Weight:	18 to 18.5 lbs. (8.16 to 8.39 kg)
Temperature:	-22°F to 140°F (-30°C to +60°C)
Frequency Range:	29.7-400 MHz (AM) 29.7-960 MHz (FM)
Channeling:	12.5/20/25/30/50 kHz
Tunability:	1.25 kHz steps
Options:	136 - 174 MHz P25 module 380 - 470 MHz P25 module 450 - 520 MHz P25 module 764 - 870 MHz
Encryption Options:	DES-XL, DES-OFB, DVP-XL, DVI-XL, AES

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