

NPX136D

Digital P25 Transceiver

2009 Data Sheet

COBHAM

The most important thing we build is trust

The NPX136D digital radio is a complete, self contained VHF panel mount APCO Project 25 compliant transceiver. Designed for a single user, this stand alone radio is capable of transmitting and receiving over the VHF band (136.0000 - 173.9975 MHz). The lightweight compact design is perfect for space and weight restricted helicopters and light fixed wing aircraft.

Based on proven user-friendly Tac/Com II™ operating format, the NPX136D transceiver is simple to program and easy to use. Main volume control and a scan select switch are conveniently located beside the display. The squelch test, channel up/down, and display controls are easily identified under the LED display. A separate guard volume and guard channel select switch are provided.

With no complex patterns or codes to memorize, the NPX136D's straight forward controls and online "Help" screen provide for

easy operation. PC software and data transfer function are available for fast, convenient programming of complete channel information. The capability to upload and download NPX136D channels allows users to change between sets of operating frequencies for quick transition between contract assignments.

The compact radio incorporates solid chassis construction and user friendly controls, and is tested to stringent aircraft environmental standards. A user programmable, two channel, synthesized guard receiver and push button keypad are standard equipment. Operation is Digital P25 Phase I and conventional Analog Simplex or Semi-Duplex.

Whether the mission is forestry, law enforcement, business communications or other applications, the NPX136D radio has the capabilities to satisfy the most demanding operational needs.

Designed to Advanced Industry Standard: APCO Project 25 FDMA common air interface for complete interoperability.

Features: Digital P25 Phase I and Analog wideband/narrowband, 16 zones, 255 + 2 guard channels.

Operating Frequency: 136 - 174 MHz

Backward Compatible: with existing wideband and narrowband analog FM systems on a channel for channel basis.

Secure Transmissions (optional): SBCF DES wideband analog encryption. APCO Project 25 narrowband digital OFB DES encryption option available at extra cost.

Models Available:

- 000 VHF P25 Panel Mount (136 - 174 MHz)
- 070 VHF P25 Panel Mount w/Synthesized Guard Receiver



Features:

- Conventional FM and P25 digital
- Wideband/Narrowband operation
- 2 channel synthesized guard
- USFS approved / GSA listed
- Multiple scan modes
- Front panel programmable
- Backward compatible with analog radios
- Modular construction
- DTMF signalling (analog)

Mechanical:

Height	2.63"
Width	5.75"
Depth	7.02" excluding mating connectors
Weight	3.2 lbs. (max.)

Compliance:

TC STC SA99-211
TC STC SH05-12
TC STC SA07-25
FAA STC SA01170NY

For technical specifications, see Install & Ops manuals on website.

For further information please contact:

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