

NPX138N Series

Panel Mount Transceiver

2009 Data Sheet

COBHAM

The most important thing we build is trust

At less than 2" high and 3 lb., this self-contained panel mount FM transceiver is designed as a stand-alone radio for the single mission user. The lightweight, state-of-the-art, compact design is perfect for space and weight restricted environments of helicopter or light fixed-wing aircraft. The NPX138N series is a synthesized frequency-agile transceiver that allows easy access to all pre-programmed channels and the agility to modify or add channels on the fly.

Each of the 100 memory channels available can store a receive frequency with CTCSS tone, a transmit frequency with CTCSS tone, scan function, and an alpha-numeric identifier on a 32 character LED display. Transmit power of 1 or 10 watts is easily selectable from the front of the NPX138N. DTMF encoding and direct keyboard programming can be added using a DTE12 datapad. Panel lighting is available in either 28, 14, or 5 VDC controlled through the aircraft dimmer bus. NVG compatible lighting is optional.

Incorporating proven, user-friendly Tac/Com II™ operating system, the NPX138N series 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 brightness controls are easily identified along the bottom of the panel. A separate guard volume plus guard transmit select switches are provided.

With no complex patterns or codes to memorize, the NPX138N's straight-forward controls and on-line 'Help' screens ensure intuitive operation. The need to refer to an operator's guide for simple channel changes or edit functions is eliminated. PC software is available for fast, convenient programming of complete channel information. The capability of uploading and downloading NPX138N channels allows the user to store multiple sets of operating frequencies for quick transitions between contract assignments.

The NPX138N-070 is specifically designed to meet the needs of USFS/OAS contract requirements. Each individual channel is operator-selectable for either wide band (5 kHz deviation) or narrow band (2.5 kHz deviation) operation. The optional two channel programmable guard receiver ensures communication integrity during complex forest fire fighting operations.

A compact radio specifically designed for rotary and fixed-wing aircraft, the NPX138N series transceivers incorporate solid chassis construction, user-friendly controls and are tested to stringent aircraft environmental standards.

Whether the mission is forestry, law enforcement, business communications or other applications, the NPX138N series radios will satisfy the most demanding operational needs.



Features:

- Compact size and weight
- Selectable wide or narrow band
- Optional 2 channel guard receiver
- Low power consumption
- Modular construction
- Multiple scan modes
- Agile operation

Mechanical:

Height	1.88"
Width	5.75"
Depth	7.66" excluding mating connectors
Weight	3.0 lbs. (max.)

Compliance:

DO-160C
Env. Cat. [B4D1]ZBA[BMN]XXXXXXABABAUAXXX

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

For further information please contact:

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