



# BK Radio DPH-CMD Portable Radio Specifications

## DPH-CMD

### INCLUDED

- Dual Priority Scan
- Tone Code Guard (CTCSS)
- Digital Tone Guard (CDCSS)
- Analog DTMF Encode
- Analog DTMF ANI
- Timeout Timer
- Nuisance Channel Delete
- Talkback Scan
- Soft Switch Programming
- User pick lists for tone and digital guards
- Network Access Codes
- Talk Group IDs
- Streamlined Unit-To-Unit Calling
- Programmable Unit-To-Unit Callback
- Emergency Transmission Mode

### Signal Selection:

- RX – Automatic Digital/Analog
- TX – Automatic Digital/Analog
- TX – Selectable Digital/Analog

### GENERAL SPECIFICATIONS

|                           |                                   |
|---------------------------|-----------------------------------|
| Channels                  | 500                               |
| Operating Voltage         | 10V. NOM.                         |
| Operating Frequency Range | 136-174 MHz                       |
| Operating Temperature     | -30° to 60°                       |
| Current Drain:            |                                   |
| Standby                   | 20 mA                             |
| Receive                   | 255 mA                            |
| Transmit                  | 1.5A                              |
| Stability                 | +/-2.5 PPM                        |
| Channel Increments        | 2.5/6.25/7.5 KHz                  |
| Channel Spacing           | 25/30 and 12.5/15 KHz             |
| Size - W x D x H          |                                   |
| (Standard Battery)        | 2.55 x 1.5 x 6.6 in.              |
| Weight w/Std Battery      | 20 oz.                            |
| Antenna                   | Helical Wound, Molded Rubber Flex |

### TRANSMITTER

|                          |          |          |
|--------------------------|----------|----------|
| RF Output (Hi-Lo)        | 5/2      | 5/2      |
| Spurious and Harmonics   | 60 dB    | 60 dB    |
| Hum and Noise            | 50 dB    | 45 dB    |
| Audio Distortion         | 3%       | 3%       |
| Audio Response (per EIA) | +1/-3 dB | +1/-3 dB |
| Modulation               | 16K0F3E  | 11K0F3E  |
|                          | 8K10F1D  | 8K10F1E  |

### RECEIVER

|                              |          |          |
|------------------------------|----------|----------|
| Sensitivity                  | -119 dBm | -119 dBm |
| Selectivity                  | 72 dB    | 60 dB    |
| Spurious including Image     | 75 dB    | 75 dB    |
| Intermodulation              | 70 dB    | 70 dB    |
| Audio Output @ 5% Distortion | 500 mW   | 500 mW   |
| Audio Response (per EIA)     | +1/-3 dB | +1/-3 dB |

Specifications subject to change without notice. Measurements made in accordance with applicable TIA/EIA-603-A standards.

Making reliable communications affordable

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# BK Radio DPH-CMD Portable



New Command & Control Digital Radio  
for large-scale operations

Making reliable communications affordable





## Specially engineered for managing multi-unit, wide-area response

- 500 channels, 25 user groups, 20 channels per group
- 136-174 MHz VHF expanded frequency range
- 5/2 Watts RF output
- Enhanced keypad simplifies label programming in the field, plus programmable soft switches and options
- Rock-solid reliability – meets tough MIL-STD 810 and approved by the California Dept. of Forestry
- Channel increments – 2.5/6.25/7.5 KHz; channel spacing – 25/30 and 12.5/15 KHz
- Global TX Code Guard Select – 32 TX-tone global pick list for field selection, network access codes, and talk group IDs
- Channel and priority (dual priority) scan, talkback scan
- Enhanced dot-matrix display – two-line, 12-character alphanumeric icons
- Nuisance channel delete
- Meets or exceeds APCO P25 specifications including FDMA Common Air Interface compatible, emergency group calls, and unit-to-unit calls with auto-callback
- Programmable for digital, analog, or true mixed-mode operation, with automatic mode detection and talkback
- Easy to use, easy to program and customize
- Superior audio quality and clarity
- Weatherproof design
- Longer life between battery charges/changes – over 19 hours with high-capacity lithium-ion battery
- On-demand Command Group – enables building a 20-channel command group from any of the 500 programmed channels on the fly
- Tactical Scan Group
- Enhanced user-selectable per-channel code guard for finding the best signal path without changing channels
- Cloning technology transfers information from one radio to another automatically – global data, group data, command group, pick lists
- FLASH technology enables future enhancements via software instead of hardware changes



The BK Radio DPH-CMD portable, compliant with the APCO P25 standard, including the P25 FDMA Common Air Interface, has all the capabilities of the proven DPH, plus enhanced feature sets engineered to meet additional advanced requirements specified for first-responders for tactical command-level radios.

The DPH-CMD portable combines proven rock-solid reliability with extreme versatility and ease of use. Each radio can be customized to provide the range of functions you need to meet your specific situation and requirements. The new Command Group feature allows you to create a custom command group on the fly. User pick list of 32 code guards for field selection.

Its superior design means that functions and features are software-driven, creating inherent efficiencies that result in significant cost savings without compromising or sacrificing quality, performance, reliability, or durability even under the most demanding public safety conditions.

Programming is focused on the practical needs and requirements of the radio user. Despite a wide

variety of individual options, the BK Radio DPH-CMD portables are always easy to use – a critically important factor in emergency situations.

As a result of advanced engineering techniques, the DPH-CMD and all D Series portable radios have lower current drain than other portables, which means significantly longer battery life between battery charges or changes. And with the new high-capacity lithium-ion battery, service cycles are extended to more than 19 hours.

The DPH-CMD also has the ability to clone group information to other DPH-CMD models.

Additional economies are realized by using the accessories you already have for other BK Radio units such as antennas, microphones, batteries, cloning and programming cables, and carrying cases.

All 500 channels can be programmed for digital operation, analog operation, or both. Frequencies programmed for mixed-mode operation recognize the format of the received signal and automatically transmit in the same format.



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