

# The King is Back.



## THE DPH DIGITAL PORTABLE RADIO

The DPH combines unparalleled BK Radio reliability and performance with state of the art digital technology to create an affordable solution to your APCO Project 25 radio needs. Per channel digital/analog operation and cloneable to previous models the DPH redefines backwards compatible.

Ask about upgrading existing BK Radios to the DPH.



Preliminary 8/02A

*APCO Project 25 Compliant  
Digital / Analog Operation  
Common Accessories  
148 - 174 MHz  
400 Channels*

# DPH

## Digital Portable Radios

### The DPH Advantage - True Compatibility

To meet backwards compatibility as defined by the APCO Project 25 standard, the DPH digital portable radio provides users the ability to interoperate with narrow or wide band analog channels as well as digital systems. In addition to meeting the APCO Project 25 definition the DPH gives the term backwards compatible a whole new meaning.

#### Cloneability -

DPH models are not only cloneable to each other but are also cloneable to previous BK Radio models including the GPH and EPH portables.

#### Common Accessories -

The DPH further expands backwards compatibility utilizing many of the same accessories used on all previous BK Radio portables. These common accessories include batteries, carrying cases, antennas, speaker microphones, "AA" battery packs and cloning cables. Common accessories can greatly reduce the cost of digital migration.

#### Analog to Digital Upgrades -

BK Radio offers the industry's first digital upgrade from existing analog radios. GPH portable radios equipped with a flash processor may be upgraded to meet APCO Project 25 standards. Contact BK Radio for information.

### GENERAL SPECIFICATIONS

Operating Voltage		10 V. NOM.
Dual Priority Scan		INCLUDED
Tone Code Guard (CTCSS)		INCLUDED
Digital Code Guard (CDCSS)		INCLUDED
DTMF Encode		INCLUDED
DTMF ANI		INCLUDED
Time Out Timer		INCLUDED
Nuisance Channel Delete		INCLUDED
TalkBack Scan		INCLUDED
Soft Switch Programming		INCLUDED
Custom Channel Selector Programming		INCLUDED
Operating Temperature - C°		-30 to 60 C°
Standby Current Drain - mA		15
Stability - PPM		+/- 2.5
Channel Increments - KHz		2.5/6.25
Operating Frequency Spread		26 MHz
Size - W x D x H	Std. Battery	2.55 x 1.5 x 6.6 in.
	Lrg. Battery	2.55 x 1.5 x 7.8 in.
Weight (oz.)	Std. Battery	20
	Lrg. Battery	24
Antenna		HELICAL WOUND MOLDED RUBBER FLEX

### RECEIVER

Sensitivity: 12 dB Sinad -	-119 dBm Analog -118 dBm Digital
Selectivity -	25/30 kHz - 72 dB 12.5 kHz - 60 dB
Spurious including Image -	75 dB
Intermodulation -	70 dB
Audio Output @ 5% dist.-	500 mW
Audio Response (per EIA) -	+1/-3 dB

### TRANSMITTER

RF Output (Hi/L0) -	5/2 Watts
Spurious and Harmonics -	60 dB
Hum and Noise -	25/30 kHz -50 dB 12.5 kHz - 45 dB
Audio Distortion -	3%
Audio Response (per EIA) -	+1/-3 dB
Modulation	16K0F3E/11K0F3E/20K0F1E

### STANDARDS

MIL-STD 810	C		D		E	
	Mthd.	Proc.	Mthd.	Proc.	Mthd.	Proc.
Low Pressure	500.1	1	500.2	1	500.3	1
High Temp.	501.1	1 & 2	501.2	1 & 2	501.3	1 & 2
Low Temp.	502.1	1	502.2	1 & 2	502.3	1 & 2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Humidity	507.1	2	507.2	2	507.3	2
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8 & 10	514.3	1	514.4	1
Shock	516.2	1, 2 & 5	516.3	1 & 4	516.4	1 & 4
Metal Case models also include:						
Rain	506.1	1 & 2	506.2	1 & 2	506.3	1 & 2
Salt Fog	509.1	1	509.2	1	509.3	1

Unit meets U.S. Forest Service vibration and EIA RS-316B vibration and shock specifications.

FCC Type Acceptance Pending  
Measurements made in accordance with applicable EIA, TIA and NTIA standards.  
Specifications subject to change without notice.  
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