

A Whole New RELM of Possibilities



DPH PORTABLE



DIGITAL

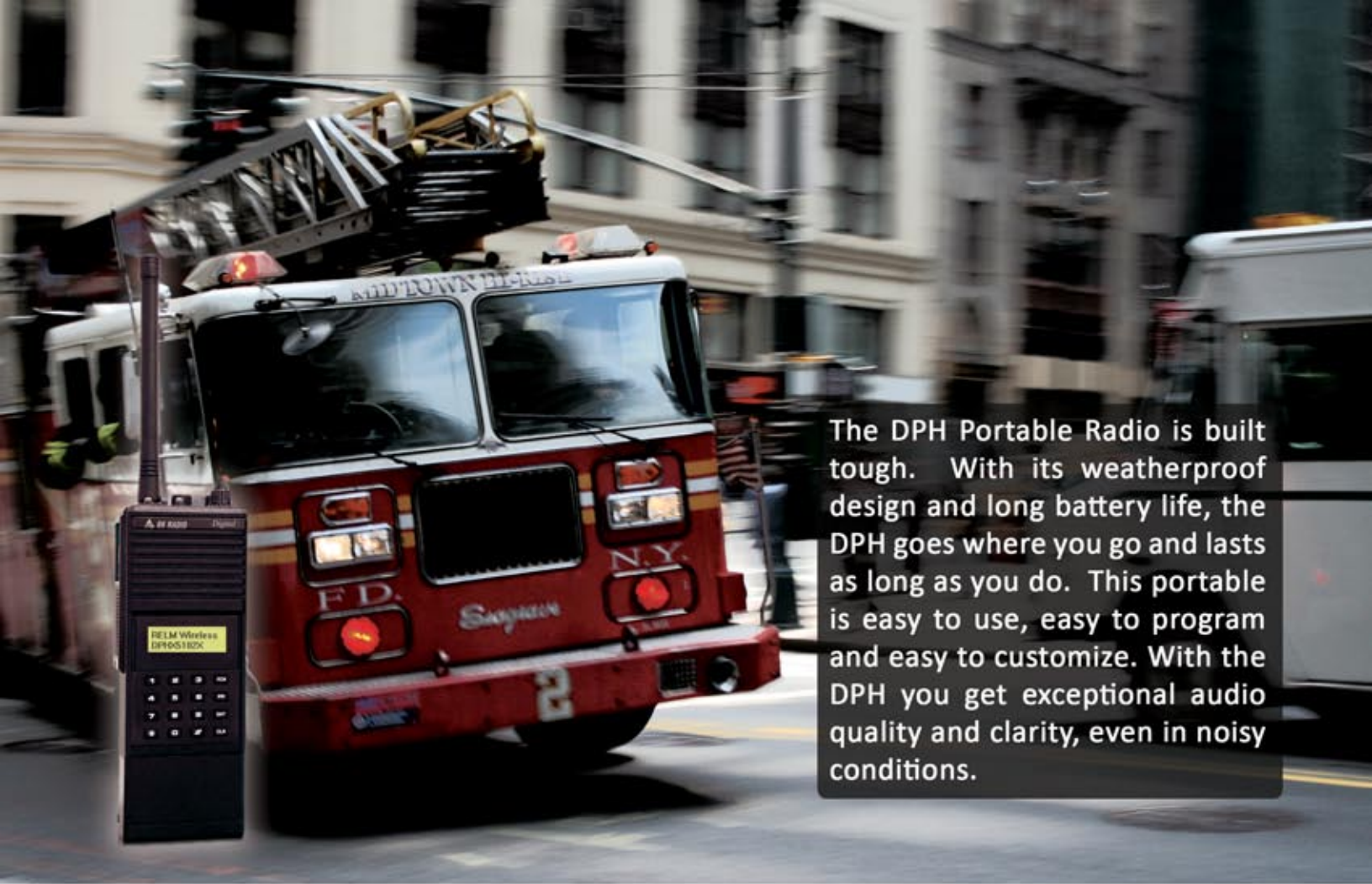


- ✓ 18+ Hours of Battery Life
- ✓ Weatherproof Design
- ✓ FLASH Technology
- ✓ Radio to Radio Cloning in Minutes
- ✓ MIL-STD and NIFC Fire Certification
- ✓ Meets or Exceeds APCO P25 Specifications



DPHX5102X

DPHX5102X CMD



The DPH Portable Radio is built tough. With its weatherproof design and long battery life, the DPH goes where you go and lasts as long as you do. This portable is easy to use, easy to program and easy to customize. With the DPH you get exceptional audio quality and clarity, even in noisy conditions.

DPH

The DPH is offered in two models - DPHX5102X and DPHX5102X CMD (Command). The DPH CMD (right image) has extra feature sets which allow commanding individuals to create a custom command group on the fly, making for easy communications out in the field.

DPHX5102X

VHF 136 - 174 MHz
400 Channels

DPHX5102XCMD

VHF 136 - 174 MHz
500 Channels



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Your Local Dealer

OPTIONS

The following options are only available on the DPHX5102X

OTAR
(LZA0578)

OTAR (Over-The-Air-Rekeying) is the common name for the method of changing encryption keys over the air. The use of OTAR drastically reduces the distribution of physical keying material, allowing you to update radio encryption keys wirelessly through a designated key management facility.

AES/DES ENCRYPTION
(LZA0577)

AES (Advanced Encryption Standard) development has been a co-operative venture between the U.S. government and the private industry sector resulting in a universal encryption system. AES and DES (Digital Encryption Standard) allows you to communicate with other radios that have the specific key programmed. RELM's AES/DES Encryption is NIST certified, validated FIPS 140-2 Type III encryption with a 256 keyload.

INTRINSICALLY SAFE
(LZA0558)

This option guards against the possibility of an electrical spark causing a fire or explosion, and is designed for use in hazardous environments. The IS (Intrinsically Safe) certification for the DPH portable covers Class 1 (petroleum/gas environments); Division 1 (flammable material present continuously); Group D (hazardous locations); and Group T3C (temperature rating).

ACCESSORIES

5 - Bay Dual Rate Charger



Conveniently charge up to 5 radios in 90 minutes or less.

(LAA0380)

Large 3800 mAH Battery



Get up to 36 hours of communications with this 3800 mAH Li-ion battery.

(LAA0172)

Leather Carrying Case



Keep your radio posted at your hip with this durable and easy to use Leather Carrying Case

(LAA0425)

Rapid Rate Desktop Charger



Recharge in 90 minutes or less with this desktop charger.

(LAA0325)

Noise Reduction Headset



Comfortable and durable for harsh and loud environments.

(LAA0223)

Nylon Carrying Case



Made with tough nylon, this carrying case is a quick and easy to use solution.

(LAA0450)

Clamshell



Load this clamshell with 'AA' batteries for emergency back-up power out in the field.

(LAA0115)

Durable Speaker Mic



Communications are made easy when placed on the shoulder.

(LAA0199)

Nylon Chest Pack



Communicate effortlessly out in the field - anywhere, anytime.

(LAA0447)

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ADVANCED FEATURES

Custom Programmable Modes

All 400 channels can be programmed for digital operation, analog operation, or both. Frequencies programmed for mixed-mode operation recognize the format of a received signal and can automatically transmit in the same format.

Cloning Technology

Effortlessly clone information from one radio to another in minutes. Cloning technology gives you the opportunity to update other DPH, EPH, GPH or KNG portables in minutes.

Password Protection

The DPH can be password protected. RELM's unique multi-level password protected field and computer programming options allow you to easily protect your radio with a customized password.

Network Access

The DPH gives you the opportunity to choose user selectable network access codes and/or code guard for finding the best signal path without changing channels.

Quick Call/Auto Call Back

Gain instant access via unit-to-unit through RELM's quick call and automatic call back features.



DPH CMD EXTRAS

The following features are only available on the DPH CMD.

Enhanced Keypad

The DPH CMD's enhanced keypad simplified label programming in the field, plus programmable switches and options.

On Demand Command Group

The DPH CMD enables building a 20 channel command group from any of the 500 programmed channels on the fly.

500 Channels

The DPH CMD gives you 500 channels, 25 user groups, 20 channels per group.





BUTTONS AND FUNCTIONS

FEATURES



Enhanced Dot-Matrix Display
The DPH and DPH CMD have bright LCD displays with a one (DPH) or two-line (DPH CMD), 12 character alphanumeric icons

Long Battery Life
Get a longer battery life between charges - over 18 hours with the new high-capacity lithium-ion battery

FLASH Technology
FLASH Technology enables future enhancements via software instead of hardware changes.

Rated APCO P25
The DPH and DPH CMD meet or exceed APCO P25 specifications, including interoperability.

Rock-Solid Reliability
The DPH and DPH CMD meet or exceed tough MIL-STD and NIFC fire certification specs.

Weatherproof Design
Designed to go where you go, the DPH and DPH CMD are designed durable and weatherproof.

Nuisance Channel Delete
This feature gives you the option to delete any nuisance chatter channels that may be interrupting your communication.

Soft Switch Programming
Custom Program the toggle switches to suit your everyday needs.

Specification	DPHX5102X	DPHX5102X CMD
Channels	400	500
Operating Voltage	10 V. NOM.	10 V. NOM.
Frequency Range	136 - 174 MHz	136 - 174 MHz
Operating Temperature	-30 °C to +60 °C	-30 °C to +60 °C
Current Drain		
Standby	20 mA	20 mA
Receive	255 mA	255 mA
Transmit	1.5 A	1.5 A
Stability	+/-2.5 PPM	+/-2.5 PPM
Channel Increments	5.0/6.25/7.5 kHz	2.5/6.25/7.5 KHz
Channel Spacing	25/30 and 12.5/15kHz	25/30 and 12.5/15 KHz
Size with Battery (W x D x H)	2.55 x 1.5 x 6.6 in	2.55 x 1.5 x 6.6 in
Weight with Std. Battery	20 oz.	20 oz.
Antenna	Helical Wound, Molded Rubber Flex	Helical Wound, Molded Rubber Flex
Receiver		
Sensitivity	-119 dBm	-119 dBm
Selectivity	60 dB	60 dB
Spurious Including Image	75 dB	75 dB
Intermodulation	70dB	70dB
Audio Output @ 5% Distortion	500 mW	500 mW
Audio Response (per EIA)	+1/-3 dB	+1/-3 dB
Transmitter		
RF Output	2/5 Watts	2/5 Watts
Spurious and Harmonics	60 dB	60 dB
Hum and Noise	50 dB	45 dB
Audio Distortion	3%	3%
Audio Response	+1/-3 dB	+1/-3 dB