



TWO-WAY DOT FREQUENCY RADIOS

SP-100H & SP-100U FEATURES

- 2 Watts RF output power
- 4 Channel selector switch
- Provide communication on 4 pre-programmed VHF or UHF DOT frequencies
- One year limited warranty

SP-100H & SP-100G

Packages include: Radio unit, battery, antenna, belt clip, AC/DC wall charger, owner's manual and FCC license information

ADDITIONAL PRODUCT FEATURES

- Programmable for channel scan, CTCSS standard tones, and alternate channel selections
- Jacks for external speaker/microphone, headset, battery charging and radio programming
- Tri-color LED indicates busy, call or TX modes

PRE-PROGRAMMED CHANNEL FREQUENCIES

CHANNEL DESIGNATOR CHANNEL FREQUENCIES

SP-100H (VHF)

Channel 1 - Red DOT	151.625 MHz
Channel 2 - Blue DOT	154.570 MHz
Channel 3 - Green DOT	154.600 MHz
Channel 4 - Purple DOT	151.955 MHz

SP-100U (UHF)

Channel 1 - Yellow DOT	464.550 MHz
Channel 2 - "J" DOT	467.7625 MHz
Channel 3 - "K" DOT	467.8125 MHz
Channel 4 - Silver Star	467.850 MHz

OPTIONAL CHANNEL FREQUENCIES

CHANNEL DESIGNATOR CHANNEL FREQUENCIES

SP-100H (VHF)

Red DOT	151.625 MHz
Purple DOT	151.955 MHz
Blue DOT	154.570 MHz
Green DOT	154.600 MHz

SCAN

Receive Capability Only On The Following NOAA Channels:

NOAA Weather channel 1	162.550 MHz
NOAA Weather channel 2	162.400 MHz
NOAA Weather channel 3	162.475 MHz
NOAA Weather channel 4	162.425 MHz
NOAA Weather channel 5	162.450 MHz
NOAA Weather channel 6	162.500 MHz
NOAA Weather channel 7	162.525 MHz

SP-100U (UHF)

Brown DOT	464.5000 MHz
Yellow DOT	464.5500 MHz
"J" DOT	467.7625 MHz
"K" DOT	467.8125 MHz
Silver Star	467.8500 MHz
Gold Star	467.8750 MHz
Red Star	467.9000 MHz
Blue Star	467.9250 MHz

SCAN

ACCESSORIES/OPTIONS

- 1/4 Wave UHF monopole magnetic mount mobile antenna (WTA-4GM)
- 700 mAh Ni-Cad Battery pack (QPA-700G)
- 1200 mAh Ni-Cad Battery pack (QPA-1200G)
- AC/DC Wall charger (CA-1410)
- Dual slot/dual rate "smart" desktop charger with power supply (QPA-1130)
- Mini-VOX headset (QPA-1480)
- Lapel speaker/microphone (QPA-1425)
- Heavy duty leather case (QPA-1491)
- Camouflage canvas case with Mossy Oak® Treestand® pattern (QPA-1496C)
- PC Programming kit - cable and disk (SPK-400C)

Mossy Oak and Treestand are registered tradenames of Haas Outdoors, Inc.

SPECIFICATIONS

GENERAL	MODEL SP-100H (VHF)	MODEL SP-100U (UHF)
Number of TX/RX Channels:	4 Maximum, 3 with scan active	
Frequency Control:	PLL Synthesizer	
Power Supply:	Rechargeable Ni-Cad battery, 7.5V DC	
Power Supply:	7.5V DC - 8.25V DC	
Voltage Range:	6.75V DC - 8.25V DC	
Battery Life (5-5-90% duty cycle):	700 mAh Ni-Cad battery 8 Hours 1200 mAh Ni-Cad battery 14 Hours	
Dimensions (with battery) (H x W x D):	5-9/16" x 2-1/4" x 1-11/16" (141 x 58 x 43 mm)	
Weight:	700 mAh Ni-Cad battery 16.4 oz. (465 g) 1200 mAh Ni-Cad battery 17 oz. (468 g)	
Materials:	Die cast chassis, polycarbonate case	
Temperature Range:	-22° F to +140° F (-30° C to +60° C)	
Speaker Impedance:	8 Ohms	

RECEIVER (measurement procedures made per ANSI/TIA/EIA-603)

Sensitivity:		
12 dB SINAD	.25 µV	.28 µV
20 dB Quieting	.5 µV	.5 µV
Selectivity:	>-65 dB	>-65 dB
Intermodulation;	-60 dB	-60 dB
Spurious and Image Rejection:	-60 dB	-60 dB
Audio Output:	450 mW	450 mW
FM Hum and Noise:	-40 dB	-40 dB

TRANSMITTER (measurement procedures made per ANSI/TIA/EIA-603)

RF Output:	2 Watts	2 Watts
Spurious and Harmonic Emissions:	-60 dBc	-60 dBc
Modulation:	16K0F3E	16K0F3E
FM Hum and Noise:	-40 dB	-40 dB
Audio Distortion:	<3% at 1 kHz	<3% at 1 kHz

Specifications are subject to change without notice.

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A World of Communications

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