

IMARK

PRODUCT DESCRIPTION

PANTECH

PS-x00 & PS-x10 SERIES VHF/UHF PORTABLE TRANSCEIVER

Rugged, 16 or 99 Channels, 5 Watts, Wide
Bandwidth. Imark Stock # [91xxxx](#)

Features:

- One or two frequency simplex operation
- 16 MHz tuning bandwidth (VHF) or 30MHz tuning Bandwidth (UHF Models)
- 5 MHz switching bandwidth on VHF models, 10MHz switching bandwidth on UHF models.
- Field programmable with an IBM-PC™ or compatible computer
- Up to 16 channels on the PS-x00 Series and up to 99 channels on the PS-x10 series radios
- CTCSS or DCS on a per channel basis
- Transmit High or Low power settings switch selectable
- Transmit Time Out Timer to prevent channel jamming
- Time Out Timer Penalty to delay entry after exceeding the TOT period
- Scanning, Priority and LCD Display on the PS-x10 Series
- Voice Recording Facility (PS-410CW Model only).
- Scanning facility on UHF models
- Approved for operation on both Commercial and UHF CB Bands (PS-410CW Model Only).



DESCRIPTION:

The **Pantech PS-x00 & PS-x10** series are compact, ruggedly constructed and feature packed portable transceivers. They feature a tuned front end and have a wide switching bandwidth of 5MHz on VHF Hi band and 10MHz on UHF models.

The **PS-x00** portable transceiver is supplied standard with 16 channels, CTCSS and DCS, and provides a switchable 1/5 Watt RF output. Channel scanning is provided with UHF models.

The **PS-x10** portable transceivers are supplied standard with 99 channels, CTCSS and DCS, and provide a switchable 1/5 Watt RF output. Recorded Message capability is standard on these models. Channel scanning is included.

The **PS-x00 & PS-x10** chassis and rear covers are constructed of die-cast aluminium while the front cover and battery section is housed in an ABS case. A choice of rechargeable batteries is available and provides a choice of either 600mAH or 1200mAH capacity. The radio section is sealed with "O" rings to resist the ingress of dust and moisture. Internally, both the **PS-x00 & PS-x10** are constructed using miniature electronic Surface Mounting Technology components. Surface Mounted components are used throughout as their mass is much less than normal leaded components thus enhancing reliability and longevity. Additionally, the absence of troublesome leaded components and wires further enhance the reliability of the transceiver. The antenna is attached by a stud type connector, while the user interface controls are conveniently located on the top of the radio. It includes industry standard CTCSS and DCS squelch privacy, Transmit Time-Out Timer, Time-Out Timer Penalty Timer, Busy Channel Lock-out, Delayed TX, Low Battery Alarm, Battery Saving Circuitry, and the ability to be "Cloned" or programmed simply using a standard IBM compatible computer.

Both models are supplied with switchable 1W/5W operation, CTCSS and DCS, 1200mAH rechargeable Battery, Carry Strap, Belt Clip, Operators Manual, and Flexible Whip Antenna. All models can be ordered with either 12.5KHz or 25KHz channel spacings (subject to type approval and availability).

Available accessories include a **Rapid Charger** (with one Rapid charge and one Trickle charge slot), a **Trickle Charger** (with two Trickle charge slots), 600mAH Nickel Cadmium Battery, 1200mAH Nickel Cadmium Battery, 1200mAH Nickel Metal Hydride Battery, **SM-6000** Speaker/Microphone, Leather Case and the **RCP-100** Programming Software. Purchasers of the Pantech portable are purchasing a Korean made product which (as with Korean motor vehicles) offer quality and "excellent value for money".

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SPECIFICATIONS:		
GENERAL		
Frequency Range	PS-1XX = 136-174 Mhz	PS-4XX = 400-512
Modulation	F3E(FM)	
Channel Spacing	12.5kHz/ 25kHz	
Standby Current @ Normal @ Battery Saving	37mA 20mA	
Operating Temperature	-30°C to 60°C	
Antenna Impedance	50 Ohm	
Dimensions [m/m] W/600 mAh Batt W/1200 mAh Batt	64 (W) mm x 27.5 (D) mm x 144 (H) mm 64 (W) mm x 27.5 (D) mm x 164 (H) mm	
Weight W/600 mAh Batt W/1200 mAh Batt	WITH ANT AND BELTCLIP 400g 550g	
TRANSMITTER		
RF Power Output (Hi/Low)	3W/1W, 5W/2W	
Frequency Deviation	±2.5 kHz/±5 kHz	
Frequency Stability	5PPM -30°C to 60°C	
Conducted Spurious	Better Than –70dB	
Harmonic Rejection	Better Than –70dB	
Audio Distortion	Better Than 2%	
RECEIVER		
Sensitivity	Better than 0.224µV	
Selectivity (@ 25kHz)	Better than -70dB	
Spurious Rejection	Better than -70dB	
Squelch Sensitivity	0.126uV (Threshold)	
Audio Output	500mW	
Audio Distortion	Better Than 2%	