



100 W - 16 CHANNEL UHF - PLL WIRELESS PORTABLE SOUND SYSTEM

WPSS100 - 100 W - 16 CHANNEL UHF - PLL WITH HAND-HELD TRANSMITTER

WPSS100CD - 100 W - 16 CH. UHF - PLL WITH CD PLAYER/HAND-HELD XMITTER

PLL SYNTHESIZED UHF FREQUENCY AGILE - SDX DUAL BAND COMPANDER

TRUE DIVERSITY COMPARATOR SYSTEM - OPTOCOUPLER TYPE LIMITER



Engineering leadership in sound products since 1931

pasos®
PROFESSIONAL AUDIO & SOUND

UHF - PLL

SOUNDCASTER®

Model WPSS 100 - Complete System with Handheld Transmitter

Model WPSS100CD - Complete System with CD Player and Handheld Transmitter



WPSS100 REAR
(SHOWN WITH TWO RM170U
RECEIVER MODULES)



WPSS100CD REAR
(SHOWN WITH TWO RM170U
RECEIVER MODULES)



Available with WPSS100CD Only
SHOCK RESISTANT CD PLAYER
LCD DIGITAL DISPLAY
SHUFFLE - REPEAT PLAY
MEMORY PROGRAMMING
QUICK SEARCH FUNCTION



INPUTS: MIC IN x 2 - XLR/1/4" Phono
 (Combo Connector), LINE In (RCA Pair)
 OUTPUTS: LINE Out (RCA Pair), Active
 Out, External Speaker Out
 CONTROLS: 2 MIC Volume, TAPE/CD
 On-Off Switch/Level Out, Line Level
 In/Out, Tone and Master Volume

WITH HANDLE EXTENDED

CD PLAYER CONTROL PANEL

MAIN CONTROL PANEL

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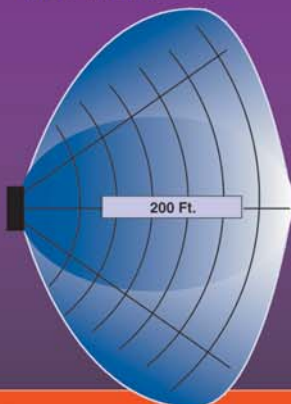
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

100 WATT - 16 CHANNEL - PLL-UHF FREQUENCY AGILE TRUE DIVERSITY WIRELESS PORTABLE SOUND SYSTEM

AC-DC - 100 W HIGH PERFORMANCE UHF - DIVERSITY WIRELESS PORTABLE SOUND SYSTEM

- COVERS AN AUDIENCE OF 2000 OR MORE
- INDOOR OUTDOOR OPERATION
- HIGH INTELLIGIBILITY - SUPERIOR SOUND
- COMPLETE WITH UHF WIRELESS MICROPHONE
- WHEELED FOR EASY MOBILITY
- RUGGED - HIGH IMPACT ENCLOSURE
- SUPPLIED WITH ABS MIC/ACCESSORIES CASE
- AC - DC OPERATION
- BUILT-IN RECHARGEABLE BATTERY
- BUILT-IN UHF DIVERSITY ANTENNAS
- INDEPENDENT LEVEL CONTROLS
- 16 CHANNEL UHF DIVERSITY WIRELESS SYSTEM

The acoustically engineered Speaker System provides controlled sound dispersion with maximum power output concentration where it is needed. Sound coverage is uniform, with full articulation of speech in the entire area served. The Unidirectional Wireless Microphone is combined with an effective Speaker System that greatly minimizes feedback "howl" and reverberation resulting when sound bounces from ceiling and wall surfaces. Whether you address small or large audiences, your voice is carried over effectively and efficiently. The WPSS100 will cover an area up to 20,000² Feet (2,000² Meters).



SOUND PRESSURE LEVEL AND SOUND RADIATION PATTERN
The figure at left indicates the distance from the Soundcaster at which the Sound Pressure Level of 80 decibels is achieved when the unit is operated at full power capacity (darker shade). The graph has been plotted in distance and measured with a Frequency of 3000 Hz, to insure maximum speech intelligibility within the radiation pattern. Please note that this does not imply that there will be no sound coverage outside the radiation pattern line (lighter shade), but simply that the Sound Pressure Level at 3,000 Hz. will be less than 80 db and intelligibility may be insufficient. This information is given as an application guideline and may vary with the individual application.

SOUND RADIATION PATTERN

SDX

SDX DUAL BAND COMPANDER
EXPANDER SYSTEM

UHF - PLL



TRANSMITTERS

HANDHELD - Model MW165U (supplied)
BELTPACK - Model MW163U (optional)

- 16 Frequencies Agile Selectable
- Optocoupler Type Limiter
- +/- 40 KHz Peak Deviation
- Pilotone Control
- 50 mW Max. Allowable Transmission Power
- Handheld Model with Built-in Antenna
- Low Handling Noise (Handheld)
- Soft-touch Rubberized Enclosure Finish (Handheld)
- On-Off Single Switch Operation
- Rotary Switch Channel Selector
- Low Current Consumption
- Up to 10 Hours of Operation with a Single 9V Alkaline Battery
- 4 pins Mini-XLR MIC Connector (Beltpack)
- Multi-choice Lavalier or Headset Microphones (Beltpack)

RECEIVER MODULE TRUE DIVERSITY



Model RM170U
One RM170U is supplied with the SOUNDCASTER. If a second Wireless Microphone is required an additional (optional) RM170U Module may be installed in the WPSS100.

- 16 Frequencies Agile Selectable
- On-Off Switch and Output Level Control
- Mounts Inside WPSS100 Rear Panel Port
- Compatible with MW163U and MW165U (required)

SPECIFICATIONS

AUDIO

Amplifier Rating: 50 Watt RMS
Power Output*: 100 Watt IPM (Program Material)*
THD: < 0.5%
SPL Max.: 117 dB (at 1 W/ 1m)
Frequency Response: 40 Hz - 20 KHz \pm 3 dB
Inputs: MIC 1 - MIC 2 - LINE IN L/R - Wireless Mic 1 - Wireless Mic 2 (Optional)
Inputs Impedance: MIC1-2 = 250 Ohm Balanced. Line In = 47 K ohm
Outputs: Line Out, External Speaker Switched, External Speaker Unswitched
Speaker System 3 Way Controls: 10" Full Range, 4" Mid Range, High Efficiency Tweeter 2 Microphone, 1 Auxiliary/Line In, Tone, Master Volume, Wireless MIC Level on Receiver
Voice Priority: Voice Priority Switch
Power Supply: 117 V AC or 24 V DC Internal Rechargeable Battery. (230 V 50-60 Hz model upon request)
Internal Battery: 2 X 12 Volt, 4.5 AH (in series for 24V)
Battery Charge Time: 10 Hours
Battery Operating Time: 5-6 Hours Music - 7-8 Hours Speech
Battery Recharger: Built-in with Current Limiter
Power Consumption: AC 170 VA, DC 150 W

WIRELESS SYSTEM

Antenna: Built-in UHF Diversity Antennas
Carrier System: Microprocessor Controlled PLL Synthesized
Limiter Type: Optocoupler
Noise Reduction System: SDX - Dual Band Compressor
Pilot Trigger Tone: Yes
Tone-code Frequency: 32.768 KHz
Receiver: 16 Channel with Selector, UHF Diversity Receiver (1) provided
Receiver Port: Optional Plug-In Second Receiver Port
Receiver Model: PASO RM170U
Microphone Transmitter: 16 Channel with Selector, UHF Hand-Held Microphone. Dynamic Head. (1) provided. PASO MW165U (no batteries)
Microphone Xmtr. Model: UHF 750 MHz Band
Frequency Range: UHF 750 MHz Band

CABINET

Material: Extruded Aluminum and ABS
Color Finish: Matte Black
Front Grille: Heavy Gauge Coated Steel
Casters: Built-in Wheels with three position locking pull handle.
Dimensions: 19.75" H., 13.75" W., 11.8" D. (50 X 35 X 30 cm)
Net Weight: 37 Lbs. (16.8 Kg)
Floor Stand Mount: Optional Model B41B Floor Stand

WPSS100CD SPECIFICATIONS

CD Player: Front Loading
 Single disc mechanism.
 Quick search function.
 Repeat/Shuffle play function.
 Memory programming
Net Weight: 39 Lbs. (17.75 Kg.)

Features

- ❑ 4 Microphone Inputs - 2 Wired and 2 Wireless - 1 Line Input - 1 Line Output
- ❑ Separate MIC 1, MIC 2, WMIC 1, WMIC 2, LINE IN, MASTER Level Controls - TONE
- ❑ 1 Line Output, 2 Speaker Outputs
- ❑ MIC Inputs accept XLR Male and 1/4" Phono Plug
- ❑ 16 Channel UHF Diversity
Wireless Receiver provided
- ❑ 16 Channel UHF Hand-Held
Microphone/Transmitter
with ABS Carrying Case provided
- ❑ Port for Optional Second 16 Channel
UHF Receiver Module
- ❑ Separate Volume Controls for Wired
and Wireless Microphones
- ❑ Voice Priority Feature
- ❑ Wide Frequency Response - Very Low Distortion
- ❑ Indoor or Outdoor use
- ❑ Operates on AC or DC with
built-in Rechargeable Battery
- ❑ Built-in Automatic Battery Recharger
- ❑ Wheeled with three position Pull Handle
- ❑ Built-in retractable Lift Handle
- ❑ Automatic AC to DC Power Switchover
- ❑ Rugged Extrusion and ABS Enclosure

ACCESSORIES



MW163U - 16 Channel UHF Beltpack Transmitter. Complete with Electret Microphone, Windscreen and Tie Clip. Battery not included.



RM170U - 16 Channel UHF Diversity Receiver Module. Mounts on WPSS100 Rear Panel. Requires Transmitter MW163U or MW165U.

MC63 - Collar Microphone for MW163. Flexible and adjustable mini gooseneck.



SC100 - Soft Cover for WPSS100. Dual zipper and side pockets. WPSS100 can be operated with cover on.



B41B - Heavy Duty Collapsible Floor Stand for WPSS100 and PASS100. Black Finish



MHS63 - Headset Microphone for MW163. Complete with Headband and Microphone Boom.



PASS100 - Auxiliary Speaker System. Complete with Caddy, pulling handle and 50 Ft. connecting cable and connectors.



WP163 - Aerobic Waist Pouch for MW163.



PASO SOUND PRODUCTS, INC.
 4750F GOER DRIVE
 CHARLESTON, SOUTH CAROLINA 29406-6511 USA
 Phone: 843 308 9005 - Fax: 843 308 0904
 EMAIL: info@pasosound.com - URL: www.pasosound.com

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