

150 Watt all Digital Sound System

Powerful - Portable - Modular - Wireless

WPSS150M - 150 WATT - AC-DC PORTABLE SOUND SYSTEM (CAN OPERATE ANYWHERE WORLDWIDE)

OPTIONAL 100 CHANNEL UHF FREQUENCY AGILE WIRELESS SYSTEM (UP TO FOUR MODULES)

OPTIONAL 100 CHANNEL UHF FREQUENCY AGILE TRANSMITTER MODULE

OPTIONAL = DIGITAL MP3 RECORDER/PLAYER - DVD/CD/USB PLAYER WITH VIDEO OUT MODULES

WIRELESS SYSTEM OPERATES ON THE 625 MHZ UHF BAND



OPTIONAL MW295
HAND-HELD
TRANSMITTER



OPTIONAL MW293
PENDANT/BELTPACK
TRANSMITTER



OPTIONAL WBM500
DESK BASE
TRANSMITTER

Soundcaster150[®] UHF

pasos [®]
professional audio & sound

**HIGH IMPACT
SOUND SYSTEMS**

Engineering leadership in sound products since 1931

Soundcaster150®

Model WPSS150M - 150W Basic System with built-in rechargeable battery. See expansion modules below.

“modular”

simply build your system . . .

* OPTIONAL EQUIPMENT

WPSS150M REAR PANEL SHOWN WITH OPTIONAL MODULES INSTALLED

UHF TRANSMITTER MODULE TM190 - 100 CHANNEL TRANSMITTER/REPEATER MODULE. TRANSMITS ALL SOURCES FROM THE WPSS150 TO A SECOND REMOTE WPSS150 *



RM190U
100 Channel UHF Receiver Module *



SC100 Soft Cover with zippered pockets *



B41B
Floor Stand

PASS100 - AUXILIARY SPEAKER SYSTEM *
matches the WPSS100M in size and aesthetics. Complete with cable



CDM50U
CD/USB Player with Pitch Control

RUGGED CD PLAYER - PITCH CONTROL - PLAYS CDR/CDRW/MP3 AND USB THUMB DRIVE MP3 TRACKS - SHUFFLE - REPEAT - PLAY - MEMORY PROGRAM QUICK SEARCH FUNCTION *



MP3M50
MP3 Recorder Player

DIGITAL RECORDING AND PLAYBACK - SD MEMORY CARD SLOT - BUILT-IN 128 MB RESIDENT MEMORY - USB PORT FOR PC CONNECTION *



DVDM5U
DVD Player

DVD PLAYER - PLAYS DVDR/DVDRW/CDR/CDRW/MP3 AND USB THUMB DRIVE MP3 TRACKS - REMOTE CONTROL INCLUDED *



MW295
100 Channel UHF Handheld Transmitter *



MW293
100 Channel UHF Pendant/Belt Pack Transmitter *
Includes Tie Clip Electret Microphone



WBM500
100 Channel UHF Desk Base Transmitter *

AUXILIARY SPEAKER SYSTEM

TRANSMITTERS OPERATE ON THE NEW 625 MHZ BAND

pasosound professional audio & sound

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ROHS COMPLIANT
Except Rechargeable Battery

150 WATT - MODULAR - CLASS "D" ALL DIGITAL HIGH POWER WIRELESS PORTABLE SOUND SYSTEM

The WPSS150M is a sophisticated, high power, highly versatile sound system specifically engineered for a variety of Multimedia Sound Reinforcement Applications. The numerous available options allow to tailor a system that suits the individual requirement with maximum performance, efficiency and cost effectiveness. The rugged, compact enclosure makes the unit easy to carry and easy to install anywhere indoor or outdoor.

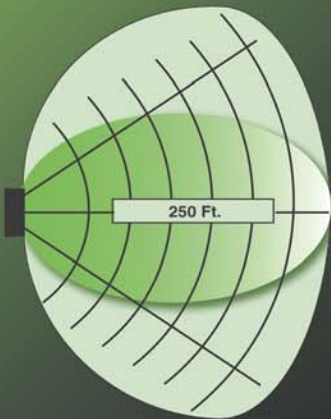
AC-DC - 150 W HIGH PERFORMANCE MODULAR - ALL DIGITAL WIRELESS PORTABLE SOUND SYSTEM

- ❑ COVERS AN AUDIENCE OF 2000 OR MORE
- ❑ INDOOR OUTDOOR OPERATION
- ❑ HIGH INTELLIGIBILITY - SUPERIOR SOUND
- ❑ SUPPLIED ACCESSORIES CARRYING CASE
- ❑ VERSATILE MULTIMEDIA COMPACT SYSTEM
- ❑ RUGGED - HIGH IMPACT ENCLOSURE
- ❑ AC - DC OPERATION
- ❑ BUILT-IN RECHARGEABLE BATTERY (SUPPLIED)
- ❑ INDEPENDENT INPUT LEVEL CONTROLS
- ❑ UP TO 4 UHF WIRELESS SYSTEM OPERATION
- ❑ OR UP TO 3 UHF RECVRS AND 1 UHF TRANSMITTER
- ❑ BUILT-IN CASTERS AND 3 STAGE HANDLE

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 Triaxial 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 WPSS150M will cover an area up to 25,000² Feet (2,300² Meters).

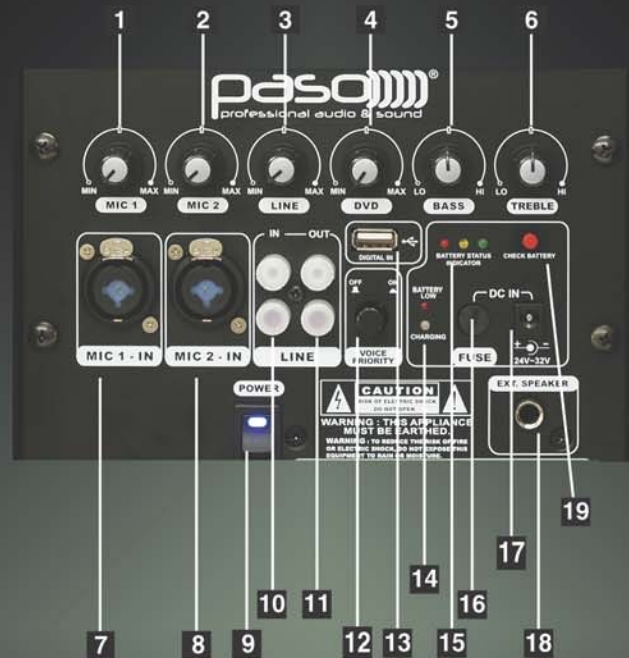
SOUND PRESSURE LEVEL AND SOUND RADIATION PATTERN

The figure at left indicates the distance from the Sound-caster 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.



CONTROL PANEL

- 1 - Wired Microphone 1 Input Level Control
- 2 - Wired Microphone 2 Input Level Control
- 3 - Line/Auxiliary Input Level Control
- 4 - DVD Audio Output Level Control
- 5 - Bass Control
- 6 - Treble Control



- 7 - Wired Microphone 1 (XLR/1/4") combo Input Jack
- 8 - Wired Microphone 2 (XLR/1/4") combo Input Jack
- 9 - ON-OFF Power Switch
- 10 - Line Input Jacks
- 11 - Line Output Jacks
- 12 - Voice-Priority Switch
- 13 - PC - USB Digital Input
- 14 - Battery Low/Charging LED Indicators
- 15 - Battery status LED Indicators
- 16 - Fuse Holder
- 17 - DC Power Input Jack (24 V - 32 V)
- 18 - External Speaker Output Jack
- 19 - Battery Tester Pushbutton

WPSS150 Main Unit



WPSS150 Slave Unit



In applications requiring two or more WPSS150M to be connected by Remote Wireless the Model TM190 Transmitter/Repeater Module can be used. When installed in the Main Unit (figure at left) all input sources are transmitted via UHF to a Slave Unit(s) containing at least one Model RM190 UHF Receiver (figure at right). Distance can be up to 250 Ft. (unrestricted) between all units. In this configuration the system Power Output is increased (up to 300 Watt or more) and Sound Coverage is greatly enhanced. One hundred UHF Channels (frequency agile) with digital selection are available in both the Transmitters and Receivers for maximum operation flexibility.

Wireless Remote Connection

SOUND RADIATION PATTERN

UHF - PLL

OPTIONAL MODULES

Performance can be greatly enhanced by the use of several optional Modules. The WPSS150M provides two rear panel Module Ports that can accept the model MP3M50 Digital MP3 Recorder/Player, the model CDM50U CD/USB Thumb Drive Player and the Model DVDM5U DVD/CD/USB Thumb Drive player. Additional Expansion Modules are planned for future release.



**CDM50U - CD PLAYER MODULE
PLAYS CDR/CDRW/MP3 - AND USB
THUMB DRIVE MP3 TRACKS -
COMPLETE WITH DIGITAL PITCH
CONTROL AND INFRARED REMOTE
CONTROL PRC50**

CDM50U - CD PLAYER MODULE WITH PITCH CONTROL- Single CD operation. Plays Audio CDR/CDRW and MP3 Format. USB Thumb Drive plays MP3 Tracks. Anti-shock mechanism. LCD Display. **FUNCTIONS:** Play All, Repeat All, Repeat Track, Repeat All, Play Random All, Play Random Repeat, and Pitch. **CONTROLS ON PLAYER:** Power push On/Off/ Volume, Mode Button, Pitch Detented Rotary Control and IR Window. **CD FUNCTIONS:** Play/Pause, Stop/Eject, SKIP/Forward/Reverse. **USB FUNCTIONS:** CD/USB, Folder Skip UP/DOWN,

Mounts on WPSS150M Rear Panel Port.

**MP3M50 - DIGITAL MP3 RECORDER PLAYER
WITH PC USB PORT - SD MEMORY CARD SLOT -
BUILT-IN 128 MB RESIDENT MEMORY**



MP3M50 - DIGITAL MP3 RECORDER/PLAYER MODULE - MP3 Recorder/Player - Built-in 128 MB resident Memory - Sample Rate: 44.1KHz - BIT Rate: 128Kbps (same as CD quality) - SD Card Memory Slot - With a 512 MB SD card, the recording time is 8 hours - **SD CARD MAX. CAPACITY:** 1GB, memory will be divided in 99 Tracks with recording time less than 9:59:59 per track - Playback and Recording Function - MP3 and VOC Recording Mode - USB (1.1) Port for PC Interface - **FUNCTION KEYS:** Play, Stop, Pause, Forward, Reverse, Mode - **REPEAT FUNCTIONS:** (A-B Repeat, Repeat One, Repeat All) - **EQ MODE SELECTOR:** Normal, Classic, Pop, Rock, Jazz - Two Microphone Inputs: L and R (Stereo), L+R(Mono) - Stereo Headphone Jack - Volume Control for MIC Record - Output level Control - LCD Display.

Mounts on WPSS150M Rear Panel Port.

**DVDM5U - DVD PLAYER MODULE
PLAYS DVDR/CDR/CDRW/MP3 - AND
USB THUMB DRIVE MP3 TRACKS -
COMPLETE WITH INFRARED REMOTE
CONTROL PRDVD50**



DVDM5U - DVD/CD PLAYER MODULE WITH VIDEO OUTPUT- Single DVD/CD operation. Plays DVDR/CDR/CDRW and MP3 Format. USB Thumb Drive plays MP3 Tracks. Anti-shock mechanism. LCD Display. **FUNCTIONS:** Play/Pause, Chapter Up/Down, Fast Forward/Rewind, Repeat. **CONTROLS ON PLAYER:** Power push On/Off/, Play/Pause, Chapter Up/Down, Stop, Eject, Repeat, Fast Forward/Rewind Function and IR Window. **CD FUNCTIONS:** Play/Pause, Stop/Eject, SKIP/Forward/Reverse. **USB FUNCTIONS:** CD/USB, Folder Skip UP/DOWN. **VIDEO OUT:** Composite Video, RCA Jack.

Mounts on WPSS150M Rear Panel Port.

TM190 - 100 Channel Frequency Agile UHF Transmitter Module

Up to two 100 Channel UHF Frequency Agile Transmitter/Repeater may be used with the WPSS150M. Plug-in Module easily installs on the rear panel port provided. LED Display, Digital Channel Selector, TNC Antenna connector. Supplied with Antenna.

TM190U - 100 CHANNEL UHF PLUG-IN TRANSMITTER MODULE

Mounts on WPSS150M Rear Panel - Display Screen: 7-segment LED - Channel Selectors: UP-DOWN - Power Switch with Audio Level Control - HI - LO Power Output Switch - High 50mW, Low 35mW - Spurious Emission > 60 dB below carrier - Dynamic Range > 110 dB - T.H.D. < 0.5% - UHF Frequency: 625 Mhz Band - Antenna Socket TNC type - Panel Color Finish: Matte Black - Dimensions: 6" D., 3" W., 1.5" H. (153 mm X 77 mm X 38 mm) - Net Weight: 9 Oz (255 grams).

OPERATES ON THE 625 MHZ UHF BAND



TM190

OPTIONAL UHF TRANSMITTERS

MW293 PENDANT/BELTPACK TRANSMITTER



MW293

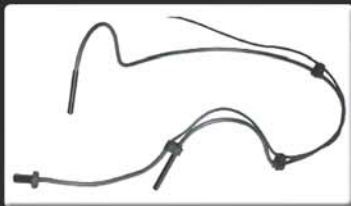
MW293 - 100 CHANNEL UHF PENDANT/BELTPACK TRANSMITTER

Complete with Electret Microphone, Wind Screen and Tie Clip - MIC Input Termination: 4-pin XLR Mini Connector - Multifunction LCD Display - Channel Selector: Digital on Display - Power Switch with Auto turn-off - Audio ON/OFF Mute Switch with LED Indicator - Battery Type: 2 X 1.5 V AA - Battery Life: 4-6 Hours (time may vary upon use) - UHF Frequency: 625 Mhz Band - Color Finish: Matte Black - Dimensions: 3.75" H. (7.5" including Antenna), 2.5" W., 1.2" D. (including Belt Clip). (95 mm (191 mm with antenna) X 65 mm X 31 mm) - Net Weight: 3 Oz. (76 grams). Batteries not included.

TRANSMITTER OPERATES ON THE 625 MHZ UHF BAND.

- ❑ 100 Frequencies Agile Selectable
- ❑ +/- 15 KHz Peak Deviation
- ❑ Pilotone Control
- ❑ 4 pins Mini-XLR MIC Connector (Beltpack)
- ❑ Includes tie-clip Electret Microphone

OPTIONAL MICROPHONES FOR MW293 TRANSMITTER



MHS63 - Headset Microphone for MW293. Complete with Headband and Microphone Boom. Electret Element with sweat guard. Cable and 4-Pin Mini XLR Connector

MC63 - Collar Microphone for MW293. Flexible and adjustable mini gooseneck. Electret Element with Windscreen. Cable and 4-Pin Mini XLR Connector



MW295 HAND-HELD TRANSMITTER

MW295 - 100 CHANNEL UHF HANDHELD TRANSMITTER

Microphone: Unidirectional Dynamic - Low Handling Noise - Multifunction LCD Display - Channel Selector: Digital on Display - Power Switch with Auto turn-off - Momentary ON LED Indicator - Battery Type: 2 X 1.5 V AA - Battery Life: 4-6 Hours (time may vary upon use) - UHF Frequency: 625 Mhz Band - Color Finish: Matte Black - Dimensions: 9.5" H., 1.5" Dia. (Tapered Body), 2" Dia. (Mic. Head). (242 mm X 38 mm Dia. (Body) X 51 mm Dia. (Mic Head) - Net Weight: 9 Oz. (255 grams) . Batteries not included.

TRANSMITTER OPERATES ON THE 625 MHZ UHF BAND.

- ❑ 100 Frequencies Agile Selectable
- ❑ +/- 15 KHz Peak Deviation
- ❑ Pilotone Control
- ❑ Hand-held Model with Built-in Antenna
- ❑ Low Handling Noise
- ❑ LCD Display
- ❑ Soft-touch Rubberized Enclosure Finish
- ❑ Unidirectional Dynamic Capsule



MW295

WBM500/18 DESK BASE TRANSMITTER

WBM500/18 - 100 CHANNEL UHF DESK BASE TRANSMITTER

Microphone: Removable Unidirectional Electret with 18" (43 cm) Gooseneck and XLR Connector - Multifunction LCD Display - Channel Selector: Digital on Display - Gain Control - XLR Connector: MIC Output and AUX In on rear panel - Illuminated Push to talk and Push to Lock Pads - Power Switch with Auto turn-off - Power LED Indicator - Battery Type: 2 X 1.5 V AA - Battery Life: 4-6 Hours (time may vary upon use) - UHF Frequency: 625 Mhz Band - Color Finish: Dark Grey and Silver - Dimensions Base: 5" W., 6" D. (Tapered) (127 mm X 153 mm), Gooseneck Mic: 18" H.. (430 mm) - Net Weight: 1.7 Lbs (800 grams) . AC Adapter/Recharger included - Batteries not included.

TRANSMITTER OPERATES ON THE 625 MHZ UHF BAND.

- ❑ 100 Frequencies Agile Selectable
- ❑ +/- 15 KHz Peak Deviation
- ❑ Pilotone Control
- ❑ Removable Gooseneck Mic with XLR
- ❑ MIC Out and AUX In on rear panel XLR
- ❑ LCD Display - and Rear Panel Gain control
- ❑ Weighted Heavy Duty Base
- ❑ Push to Talk and Push to Lock Pads
- ❑ AC - DC Operation with Recharger



WBM500/18



SPECIFICATIONS WPSS150M

AUDIO Power Output: 150 Watt on AC - 125 Watt on Battery Power THD: < 0.5%. SPL Max.: 120 dB (at 1 W/1m). Frequency Response: 40 Hz - 20 KHz ± 3 Db. Inputs: MIC 1, MIC 2, LINE IN L/R, USB Digital In Inputs Impedance: MIC1-2 = 250 Ohm Balanced, Line In = 47 K ohm. Outputs: LINE OUT L/R, External Speaker. Speaker System 3 Way Triaxial: 10" Heavy Duty Full Range, 4" Mid Range, High Efficiency Tweeter. Controls: 2 Microphone Volume, 1 Auxiliary/Line In, 1 DVD Audio Output Level, Bass, Treble, Voice Priority Switch. Voice Priority: Microphones (including Wireless) have priority over Line Input and DVD - CD Player (if installed). **GENERAL** Power Supply: 90 - 260 V AC 50-60 Hz or 24-32 V DC External Input. Internal Rechargeable Battery: 2 X 12 Volt, 4.5 AH (in series for 24V). Battery Charge Time: 10 Hours. Battery Recharger: Built-in with Current Limiter. Battery Operating time: 3-5 Hours Music - 5-6 Hours Speech (may vary with use). Power Consumption: AC 170 VA, DC 150 W. Antenna: Built-in UHF Diversity Antennas. UHF Receiver Port: Four provided for PASO Model RM190 UHF Receiver and Model TM190 Transmitter Module. Module Ports: Two. **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.



RM190 OPTIONAL UHF RECEIVER MODULE

Up to FOUR 100 Channel UHF Frequency Agile Receivers may be used with the WPSS150M. Receivers easily install on the rear panel ports provided. All Receivers can be simultaneously operated by using the optional Transmitters described above.



RM190U - 100 CHANNEL UHF TRUE DIVERSITY PLUG-IN RECEIVER MODULE

Mounts on WPSS150M Rear Panel - LED Channel Selector Display - Channel Selectors: UP-DOWN - Power Switch with Audio Level Control - Squelch Control - Autoscan Button - RF-AB LED Diversity Indicators - UHF Frequency: 750 Mhz Band - Panel Color Finish: Matte Black - Dimensions: 6" D., 3" W., 1.5" H. (153 mm X 77 mm X 38 mm) - Net Weight: 9 Oz (255 grams).

The figure at right shows two optional RM190 UHF plug-in Receivers installed side by side on the rear panel of the WPSS150M



ACCESSORIES



PASS100 - AUXILIARY SPEAKER SYSTEM - Increases the sound coverage area. Connects to the WPSS100M. Matches the WPSS150M in size and aesthetics. Speaker Impedance: 8 ohm. Termination: two 1/4" Phono Jack on rear panel. Complete with Caddy, pulling handle and 50 Ft. connecting cable with connectors attached. Net Weight: 12 Lb. (5.5 Kg)

B41B - Heavy-Duty, collapsible, Floor Stand for WPSS150M and PASS100. Umbrella action tripod. Retracted Height: 44" (110 Cm). Extended Height: 72" (182 Cm). Center Tube Diameter: 1.4" (36 mm). Stand forms a 42" (107 Cm) circle when open. Material: Steel. Finish: Black. Net weight: 7 Lbs (3.2 Kg)



SC100 - SOFT COVER FOR WPSS150M AND PASS100 - Dual zipper and side pockets. WPSS100M can be operated with cover on.



WP163 - Aerobic Waist Pouch for MW293. Securely holds Transmitter. Adjustable belt. Color black.



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