



## SPX815



### 9 Mic/ 3 Stereo Inputs, 400 Watts/channel

Wharfedale Pro's new SPX815 Powered Mixer provides you with everything you need in a compact, powered mixer. Designed for ease of use and quality audio performance, the SPX815 offers many traditional features found in powered mixers along with some additional unique features that will enhance the technical capabilities of your performances.

Featuring high-headroom / low noise preamps, switchable global phantom power, built-in signal limiting circuits, along with options for direct connections of low output instruments, the versatile input channels of the SPX815 mixer is ready to meet the challenges of your performance applications.

### 9 mono, balanced/unbalanced mic inputs

The SPX815 has 9 mono, balanced/unbalanced mic inputs. The last two mono Mic channels on this model offer a "Super Hi-Z" input for the connection of low level instruments. The rest of the mono channels provide additional balanced, line level inputs. Two additional stereo input channels provide the flexibility of dual RCA, and dual 1/4" balanced analog input jacks. To top that off, a third stereo input channel with dual 1/4" balanced analog inputs also provides a unique, and handy USB port for connection of your laptop computer for stereo playback and recording of digital audio to and from the SPX815 Powered Mixer!

### Channel level control and pan

Each mono channel on the SPX815 Powered Mixer offers a channel level control and pan along with variable input TRIM control for detailed input level setting, three band shelving equalization controls, and two separate auxiliary mix controls for stage monitors (MON) and internal or external parallel effects (EFX) processing. Stereo channels each offer channel level and pan, TRIM, two band equalization and summed monitor (MON) and effects (EFX) auxiliary mix controls.

### Versatile master section

The versatile master section provides sophisticated control of the overall mixing parameters. These powered mixers offer the capability of being used as a stereo sound reinforcement system, or they can be configured to work as a mono-main and mono-monitor system, making use of the two independent power amplifiers housed within each unit.

### Nine band graphic equalizers

Nine band graphic equalizers allow for the flexibility of detailed tonal control of the overall output of each amplifier. When in stereo mode, one graphic "EQ" controls the left output while the other controls the right output. When in mono-main/monitor mode, one EQ controls the mono main speaker output while the other EQ provides for the tonal characteristics of the stage monitor mix, allowing for detailed tonal and feedback control (+/-12 decibels) within nine different frequency bands.

### Effects Processing Signals

Along with a convenient "MONITOR MASTER" level control the SPX613 offers a beneficial "EFX TO MONITOR" control, allowing for the blending of the internal (or external) effects processing signals to the stage monitor mix. Likewise, there is an equally advantageous "EFX TO MAIN" level control that mixes the effects with the signals that are routed to the main mix outputs. Separate, balanced, line level "L/MONITOR OUT" and "R/MAIN OUT" jacks are available for more detailed applications where external monitor and main system amplification might be required. Eight preset digital effects selections are built in and provide the most popular effect processor functions, including various types of reverbs and delay parameters. The effects can be instantly defeated via a front switch or an external foot switch control (not included).

Additionally, dual RCA outputs provide an analog, stereo "RECORD OUT" for recording signals that are routed to the main outputs. A balanced 1/4" "pre-EQ" MONITOR OUT jack is provided for additional routing capabilities of the MON mix and a helpful pair of "POWER AMP IN" balanced 1/4" jacks open up the system with the capability of adding additional mixes from other mixers and routing them to the power amps within the SPX mixers. Eight segment LED bar-graph meters clearly and accurately reflect system signal strength.

## SPECIFICATIONS

<b>MODEL</b>	SPX815
<b>Output Power: @ (1% THD at 1kHz)</b>	400W/4ohms, 300W/8ohms
<b>FREQUENCY RESPONSE</b>	
-3dB@1W output into 8ohms (Speaker Output)	20Hz—20kHz + 1dB,
-3dB@+4dB output into 10k ohms (Main Out, Monitor Out , Effects Out)	20Hz—30kHz + 1dB,
<b>Total Harmonic Distortion: @20Hz—30kHz (Main Out, Monitor Out, Effects Out)</b>	Less than 0.3%
<b>HUM AND NOISE</b>	
(Speakers Output)	-58dB residual output noise

(Main Out, Monitor Out)	-100dB residual output noise
(Main Out, Monitor Out)	-90dB, Master Level Control: Nominal level Channel Level Control: Minimum
(Main Out, Monitor Out)	-75dB, Master Level Control: Nominal level Channel Level Control: Minimum
(Effects Out)	-78dB, EFX Master Level Control: Nominal level Channel Level Control: Minimum
(Effects Out)	-74dB, EFX Master Level Control: Nominal Channel Level Control: Nominal
<b>Maximum Voltage Gain:</b>	
Mic to Main and Monitor Out:	75dB
Mic to Effects Out:	90dB
Mic to Record Out:	60dB
Hi-Z to Main and Monitor Out:	60dB
Input Super Hi-Z to Main and Moinitor Out:	40dB
Left / Right Line Input to Main and Monitor Out:	24dB
<b>Input Channel Equalization: (+/- 15dB maximum)</b>	
High Frequency:	10kHz Shelving
Mid Frequency:	-
Low Frequency:	100Hz Shelving
<b>USB Record:</b>	
Record Input:	-20dBm, 44.1kHz, 16 bit, 172kB/s
Record Frequency:	1kHz, Master Out: odBm
<b>Level Meters:</b>	
7 segment LED Bar Graph Meters at Main and Monitor Outputs	
<b>Graphic Equalizer:</b>	
9 bands, Main / Monitor Out (+/-12dB maximum)	
<b>Channel Peak LED:</b>	
Illuminates @ 3dB below clipping	
<b>Phantom Power:</b>	
+48VDC (balanced mic input)	
<b>Digital Effects:</b>	
8 Preset Effects: VOCAL 1, VOCAL 2, VOCAL 3, ROOM 1, ROOM 2, MEDIUM HALL, LARGE HALL, VOCAL DELAY	
<b>Protection Circuit:</b>	
Short circuit, Power switch On / Off mute, DC detection,	
<b>(Power Amp)</b>	
Temp (Heat sink Temp >/=90 degrees C	
<b>Fan Circuit:</b>	
Stop - low speed (50 degrees C) - high speed (70 degrees C)	
<b>Foot Switch:</b>	
Digital Effects Mute on / off	
<b>EFX Bypass:</b>	
Digital Effects on / off	
<b>Power Consumption:</b>	
1000W	
<b>Dimensions (HxWxD):</b>	
310 x 526 x 347mm 12.2" x 20.7" x 13.7"	
<b>WEIGHT</b>	
21.4kg / 47.1 lbs.	
<b>Supplied accessories:</b>	
AC power cord & owner's manual / CD ROM with recording software	